

Request for Comments Summary

RFC Numbers 2600-2699

Status of This Memo

This RFC is a slightly annotated list of the 100 RFCs from RFC 2600 through RFCs 2699. This is a status report on these RFCs. This memo provides information for the Internet community. It does not specify an Internet standard of any kind. Distribution of this memo is unlimited.

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Note

Many RFCs, but not all, are Proposed Standards, Draft Standards, or Standards. Since the status of these RFCs may change during the standards processing, we note here only that they are on the standards track. Please see the latest edition of "Internet Official Protocol Standards" for the current state and status of these RFCs. In the following, RFCs on the standards track are marked [STANDARDS-TRACK].

RFC	Author	Date	Title
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2699	Ginoza	Apr 2000	Request for Comments Summary

This memo.

2698	Heinanen	Sep 1999	A Two Rate Three Color Marker
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This document defines a Two Rate Three Color Marker (trTCM), which can be used as a component in a Diffserv traffic conditioner. This memo provides information for the Internet community.

2697 Heinanen Sep 1999 A Single Rate Three Color Marker

This document defines a Single Rate Three Color Marker (srTCM), which can be used as component in a Diffserv traffic conditioner. This memo provides information for the Internet community.

2696 Weider Sep 1999 LDAP Control Extension for Simple Paged Results Manipulation

This document describes an LDAPv3 control extension for simple paging of search results. This memo provides information for the Internet community.

2695 Chiu Sep 1999 Authentication Mechanisms for ONC RPC

This document describes two authentication mechanisms created by Sun Microsystems that are commonly used in conjunction with the ONC Remote Procedure Call (ONC RPC Version 2) protocol. This memo provides information for the Internet community.

2694 Srisuresh Sep 1999 DNS extensions to Network Address Translators (DNS_ALG)

This document identifies the need for DNS extensions to NATs and outlines how a DNS Application Level Gateway (DNS_ALG) can meet the need. This memo provides information for the Internet community.

2693 Ellison Sep 1999 SPKI Certificate Theory

This document gives the theory behind SPKI certificates and ACLs without going into technical detail about those structures or their uses. This memo defines an Experimental Protocol for the Internet community.

2692 Ellison Sep 1999 SPKI Requirements

The SPKI Working Group first established a list of things one might want to do with certificates (attached at the end of this document), and then summarized that list of desires into requirements. This document presents that summary of requirements. This memo defines an Experimental Protocol for the Internet community.

2691 Bradner Sep 1999 A Memorandum of Understanding
for an ICANN Protocol Support
Organization

This is the text of the Memorandum of Understanding (MoU) that was signed by ICANN, the IETF, the ITU-T, W3C and ETSI on July 14, 1999 in Oslo. This MoU creates the Protocol Support Organization (PSO) within the Internet Corporation for Assigned Names and Numbers (ICANN). This memo provides information for the Internet community.

2690 Bradner Sep 1999 A Proposal for an MOU-Based
ICANN Protocol Support
Organization

This is a copy of the proposal for an MOU-based Protocol Supporting Organization that was submitted to ICANN on April 23, 1999. This memo provides information for the Internet community.

2689 Bormann Sep 1999 Providing Integrated Services
over Low-bitrate Links

This document describes an architecture for providing integrated services over low-bitrate links, such as modem lines, ISDN B-channels, and sub-T1 links. This memo provides information for the Internet community.

2688 Jackowski Sep 1999 Integrated Services Mappings
for Low Speed Networks

This document defines the service mappings of the IETF Integrated Services for low-bitrate links, specifically the controlled load and guaranteed services. [STANDARDS-TRACK]

2687 Bormann Sep 1999 PPP in a Real-time Oriented
HDLC-like Framing

This document proposes the suspend/resume-oriented solution for the real-time encapsulation format part of the architecture. [STANDARDS-TRACK]

2686 Bormann Sep 1999 The Multi-Class Extension to Multi-Link PPP

This document proposes the fragment-oriented solution for the real-time encapsulation format part of the architecture. [STANDARDS-TRACK]

2685 Fox Sep 1999 Virtual Private Networks Identifier

This document proposes a format for a globally unique VPN identifier. [STANDARDS-TRACK]

2684 Grossman Sep 1999 Multiprotocol Encapsulation over ATM Adaptation Layer 5

This memo replaces RFC 1483. It describes two encapsulations methods for carrying network interconnect traffic over AAL type 5 over ATM. [STANDARDS-TRACK]

2683 Leiba Sep 1999 IMAP4 Implementation Recommendations

The IMAP4 specification describes a rich protocol for use in building clients and servers for storage, retrieval, and manipulation of electronic mail. Because the protocol is so rich and has so many implementation choices, there are often trade-offs that must be made and issues that must be considered when designing such clients and servers. This document attempts to outline these issues and to make recommendations in order to make the end products as interoperable as possible. This memo provides information for the Internet community.

2682 Widjaja Sep 1999 Performance Issues in VC-Merge Capable ATM LSRs

This document investigates the impact of VC merging on the additional buffer required for the reassembly buffers and other buffers. This memo provides information for the Internet community.

2681 Almes Sep 1999 A Round-trip Delay Metric for IPP

This memo defines a metric for round-trip delay of packets across Internet paths. [STANDARDS-TRACK]

2680 Almes Sep 1999 A One-way Packet Loss Metric for IPPM

This memo defines a metric for one-way packet loss across Internet paths. [STANDARDS-TRACK]

2679 Almes Sep 1999 A One-way Delay Metric for IPPM

This memo defines a metric for one-way delay of packets across Internet paths. [STANDARDS-TRACK]

2678 Mahdavi Sep 1999 IPPM Metrics for Measuring Connectivity

This memo defines a series of metrics for connectivity between a pair of Internet hosts. [STANDARDS-TRACK]

2677 Greene Sep 1999 Definitions of Managed Objects for the NBMA Next Hop Resolution Protocol (NHRP)

This memo defines a portion of the Management Information Base (MIB) for use with network management protocols in the Internet community. [STANDARDS-TRACK]

2676 Apostolopoulos Aug 1999 QoS Routing Mechanisms and OSPF Extensions

This memo describes extensions to the OSPF protocol to support QoS routes. The focus of this document is on the algorithms used to compute QoS routes and on the necessary modifications to OSPF to support this function, e.g., the information needed, its format, how it is distributed, and how it is used by the QoS path selection process. This memo defines an Experimental Protocol for the Internet community.

2675 Borman Aug 1999 IPv6 Jumbograms

This document describes the IPv6 Jumbo Payload option, which provides the means of specifying such large payload lengths. It also describes the changes needed to TCP and UDP to make use of jumbograms.
[STANDARDS-TRACK]

2674 Bell Sep 1999 Definitions of Managed Objects for Bridges with Traffic Classes, Multicast Filtering and Virtual LAN Extensions

This memo defines a portion of the Management Information Base (MIB) for use with network management protocols in TCP/IP based internets.
[STANDARDS-TRACK]

2673 Crawford Aug 1999 Binary Labels in the Domain Name System

This document defines a "Bit-String Label" which may appear within domain names. This new label type compactly represents a sequence of "One-Bit Labels" and enables resource records to be stored at any bit-boundary in a binary-named section of the domain name tree.
[STANDARDS-TRACK]

2672 Crawford Aug 1999 Non-Terminal DNS Name Redirection

This document defines a new DNS Resource Record called "DNAME", which provides the capability to map an entire subtree of the DNS name space to another domain. [STANDARDS-TRACK]

2671 Vixie Aug 1999 Extension Mechanisms for DNS (EDNS0)

The Domain Name System's wire protocol includes a number of fixed fields whose range has been or soon will be exhausted and does not allow clients to advertise their capabilities to servers. This document describes backward compatible mechanisms for allowing the protocol to grow. [STANDARDS-TRACK]

2670 St. Johns Aug 1999 Radio Frequency (RF)
Interface Management
Information Base for
MCNS/DOCSIS compliant
RF interfaces

This memo defines a portion of the Management Information Base (MIB) for use with network management protocols in the Internet community. In particular, it defines a basic set of managed objects for SNMP-based management of MCNS/DOCSIS compliant Radio Frequency (RF) interfaces. [STANDARDS-TRACK]

2669 St. Johns Aug 1999 DOCSIS Cable Device MIB
Cable Device Management
Information Base for
DOCSIS compliant Cable
Modems and Cable Modem
Termination Systems

This memo defines a portion of the Management Information Base (MIB) for use with network management protocols in the Internet community. In particular, it defines a basic set of managed objects for SNMP-based management of DOCSIS 1.0 compliant Cable Modems and Cable Modem Termination Systems. [STANDARDS-TRACK]

2668 Smith Sep 1999 Definitions of Managed Objects
for IEEE 802.3 Medium
Attachment Units (MAUs)

This memo defines a portion of the Management Information Base (MIB) for use with network management protocols in the Internet community. [STANDARDS-TRACK]

2667 Thaler Aug 1999 IP Tunnel MIB

This memo defines a Management Information Base (MIB) for use with network management protocols in the Internet community. In particular, it describes managed objects used for managing tunnels of any type over IPv4 networks. [STANDARDS-TRACK]

2661 Townsley Aug 1999 Layer Two Tunneling Protocol
"L2TP"

This document describes the Layer Two Tunneling Protocol (L2TP).
[STANDARDS-TRACK]

2660 Rescorla Aug 1999 The Secure HyperText Transfer
Protocol

This memo describes a syntax for securing messages sent using the
Hypertext Transfer Protocol (HTTP), which forms the basis for the World
Wide Web. This memo defines an Experimental Protocol for the Internet
community.

2659 Rescorla Aug 1999 Security Extensions For HTML

This memo describes a syntax for embedding S-HTTP negotiation parameters
in HTML documents. This memo defines an Experimental Protocol for the
Internet community.

2658 McKay Aug 1999 RTP Payload Format for
PureVoice(tm) Audio

This document describes the RTP payload format for PureVoice(tm) Audio.
[STANDARDS-TRACK]

2657 Hedberg Aug 1999 LDAPv2 Client vs. the Index Mesh

LDAPv2 clients as implemented according to RFC 1777 have no notion on
referral. The integration between such a client and an Index Mesh, as
defined by the Common Indexing Protocol, heavily depends on referrals
and therefore needs to be handled in a special way. This document
defines one possible way of doing this. This memo defines an
Experimental Protocol for the Internet community.

2656 Hardie Aug 1999 Registration Procedures for
SOIF Template Type

The registration procedure described in this document is specific to SOIF template types. This memo defines an Experimental Protocol for the Internet community.

2655 Hardie Aug 1999 CIP Index Object Format for
SOIF Objects

This document describes SOIF, the Summary Object Interchange Format, as an index object type in the context of the CIP framework. This memo defines an Experimental Protocol for the Internet community.

2654 Hedberg Aug 1999 A Tagged Index Object for use
in the Common Indexing
Protocol

This document defines a mechanism by which information servers can exchange indices of information from their databases by making use of the Common Indexing Protocol (CIP). This document defines the structure of the index information being exchanged, as well as the appropriate meanings for the headers that are defined in the Common Indexing Protocol. This memo defines an Experimental Protocol for the Internet community.

2653 Allen Aug 1999 CIP Transport Protocols

This document specifies three protocols for transporting CIP requests, responses and index objects, utilizing TCP, mail, and HTTP.
[STANDARDS-TRACK]

2652 Allen Aug 1999 MIME Object Definitions for
the Common Indexing Protocol
(CIP)

This document describes the definitions of those objects as well as the methods and requirements needed to define a new index type.
[STANDARDS-TRACK]

2651 Allen Aug 1999 The Architecture of the Common Indexing Protocol (CIP)

This document describes the CIP framework, including its architecture and the protocol specifics of exchanging indices. [STANDARDS-TRACK]

2650 Meyer Aug 1999 Using RPSL in Practice

This document is a tutorial on using the Routing Policy Specification Language (RPSL) to describe routing policies in the Internet Routing Registry (IRR). This memo provides information for the Internet community.

2649 Greenblatt Aug 1999 An LDAP Control and Schema for Holding Operation Signatures

This document describes an LDAP message control which allows for the retrieval of digitally signed information. This document defines an LDAP v3 based mechanism for signing directory operations in order to create a secure journal of changes that have been made to each directory entry. This memo defines an Experimental Protocol for the Internet community.

2648 Moats Aug 1999 A URN Namespace for IETF Documents

This document proposes the "ietf" namespace, which consists of the RFC family of documents (RFCs, STDs, FYIs, and BCPs) developed by the IETF and published by the RFC Editor and the minutes of working groups (WG) and birds of a feather (BOF) meetings that occur during IETF conferences. [STANDARDS-TRACK]

2647 Newman Aug 1999 Benchmarking Terminology for Firewall Performance

This document defines terms used in measuring the performance of firewalls. It extends the terminology already used for benchmarking routers and switches with definitions specific to firewalls. [STANDARDS-TRACK]

2646 Gellens Aug 1999 The Text/Plain Format Parameter

This memo proposes a new parameter to be used with Text/Plain, and, in the presence of this parameter, the use of trailing whitespace to indicate flowed lines. This results in an encoding which appears as normal Text/Plain in older implementations, since it is in fact normal Text/Plain. [STANDARDS-TRACK]

2645 Gellens Aug 1999 ON-DEMAND MAIL RELAY (ODMR)
SMTP with Dynamic IP Addresses

This memo proposes a new service, On-Demand Mail Relay (ODMR), which is a profile of SMTP, providing for a secure, extensible, easy to implement approach to the problem. [STANDARDS-TRACK]

2644 Bradner Aug 1999 Benchmarking Methodology for
Network Interconnect Devices

This document discusses and defines a number of tests that may be used to describe the performance characteristics of a network interconnecting device. In addition to defining the tests this document also describes specific formats for reporting the results of the tests. This memo provides information for the Internet community.

2643 Ruffen Aug 1999 Cabletron's SecureFast VLAN
Operational Model

Cabletron's SecureFast VLAN (SFVLAN) product implements a distributed connection-oriented switching protocol that provides fast forwarding of data packets at the MAC layer. The product uses the concept of virtual LANs (VLANs) to determine the validity of call connection requests and to scope the broadcast of certain flooded messages. This memo provides information for the Internet community.

2642 Kane Aug 1999 Cabletron's VLS Protocol
Specification

VLSP provides support for equal-cost multipath routing, and recalculates routes quickly in the face of topological changes, utilizing a minimum of routing protocol traffic. This memo provides information for the Internet community.

2637 Hamzeh Jul 1999 Point-to-Point Tunneling Protocol (PPTP)

This document specifies a protocol which allows the Point to Point Protocol (PPP) to be tunneled through an IP network. This memo provides information for the Internet community.

2636 Gellens Jul 1999 Wireless Device Configuration (OTASP/OTAPA) via ACAP

This paper describes a viable and attractive means to provide OTASP/OTAPA via IS-707, using the ACAP protocol. This memo provides information for the Internet community.

2635 Hambridge Jun 1999 DON'T SPEW A Set of Guidelines for Mass Unsolicited Mailings and Postings

This document explains why mass unsolicited electronic mail messages are harmful in the Internetworking community. This memo provides information for the Internet community.

2634 Hoffman Jun 1999 Enhanced Security Services for S/MIME

This document describes four optional security service extensions for S/MIME. [STANDARDS-TRACK]

2633 Ramsdell Jun 1999 S/MIME Version 3 Message Specification

This document describes a protocol for adding cryptographic signature and encryption services to MIME data. [STANDARDS-TRACK]

2632 Ramsdell Jun 1999 S/MIME Version 3 Certificate Handling

S/MIME (Secure/Multipurpose Internet Mail Extensions), provides a method to send and receive secure MIME messages. Before using a public key to provide security services, the S/MIME agent MUST certify that the public key is valid. S/MIME agents MUST use PKIX certificates to validate public keys as described in the Internet X.509 Public Key Infrastructure (PKIX) Certificate and CRL Profile. [STANDARDS-TRACK]

2631 Rescorla Jun 1999 Diffie-Hellman Key Agreement Method

This document standardizes one particular Diffie-Hellman variant, based on the ANSI X9.42 draft, developed by the ANSI X9F1 working group. [STANDARDS-TRACK]

2630 Housley Jun 1999 Cryptographic Message Syntax

This document describes the Cryptographic Message Syntax. This syntax is used to digitally sign, digest, authenticate, or encrypt arbitrary messages. [STANDARDS-TRACK]

2629 Rose Jun 1999 Writing I-Ds and RFCs using XML

This memo presents a technique for using XML (Extensible Markup Language) as a source format for documents in the Internet-Drafts (I-Ds) and Request for Comments (RFC) series. This memo provides information for the Internet community.

2628 Smyslov Jun 1999 Simple Cryptographic Program Interface (Crypto API)

This document describes a simple Application Program Interface to cryptographic functions. This memo provides information for the Internet community.

2627 Wallner Jun 1999 Key Management for Multicast:
Issues and Architectures

This report contains a discussion of the difficult problem of key management for multicast communication sessions. It focuses on two main areas of concern with respect to key management, which are, initializing the multicast group with a common net key and rekeying the multicast group. This memo provides information for the Internet community.

2626 Nesser II Jun 1999 The Internet and the
Millennium Problem (Year 2000)

The Year 2000 Working Group (WG) has conducted an investigation into the millennium problem as it regards Internet related protocols. This investigation only targeted the protocols as documented in the Request For Comments Series (RFCs). This investigation discovered little reason for concern with regards to the functionality of the protocols. A few minor cases of older implementations still using two digit years (ala RFC 850) were discovered, but almost all Internet protocols were given a clean bill of health. Several cases of "period" problems were discovered, where a time field would "roll over" as the size of field was reached. In particular, there are several protocols, which have 32 bit, signed integer representations of the number of seconds since January 1, 1970 which will turn negative at Tue Jan 19 03:14:07 GMT 2038. Areas whose protocols will be effected by such problems have been notified so that new revisions will remove this limitation. This memo provides information for the Internet community.

2625 Rajagopal Jun 1999 IP and ARP over Fibre Channel

The purpose of this document is to specify a way of encapsulating IP and Address Resolution Protocol(ARP) over Fibre Channel and also to describe a mechanism(s) for IP address resolution. [STANDARDS-TRACK]

2624 Shepler Jun 1999 NFS Version 4 Design
Considerations

This design considerations document is meant to present more detail than the working group charter. Specifically, it presents the areas that the working group will investigate and consider while developing a protocol specification for NFS version 4. This memo provides information for the Internet community.

2623 Eisler Jun 1999 NFS Version 2 and Version 3
 Security Issues and the NFS
 Protocol's Use of RPCSEC_GSS
 and Kerberos V5

This memorandum clarifies various security issues involving the NFS protocol (Version 2 and Version 3 only) and then describes how the Version 2 and Version 3 of the NFS protocol use the RPCSEC_GSS security flavor protocol and Kerberos V5. [STANDARDS-TRACK]

2622 Alaettinoglu Jun 1999 Routing Policy Specification
 Language (RPSL)

RPSL allows a network operator to be able to specify routing policies at various levels in the Internet hierarchy; for example at the Autonomous System (AS) level. At the same time, policies can be specified with sufficient detail in RPSL so that low level router configurations can be generated from them. RPSL is extensible; new routing protocols and new protocol features can be introduced at any time. [STANDARDS-TRACK]

2621 Zorn Jun 1999 RADIUS Accounting Server MIB

This memo defines a set of extensions which instrument RADIUS accounting server functions. This memo provides information for the Internet community.

2620 Aboba Jun 1999 RADIUS Accounting Client MIB

This memo defines a set of extensions which instrument RADIUS accounting client functions. This memo provides information for the Internet community.

2619 Zorn Jun 1999 RADIUS Authentication Server MIB

This memo defines a set of extensions which instrument RADIUS authentication server functions. [STANDARDS-TRACK]

2618 Aboba Jun 1999 RADIUS Authentication Client MIB

This memo defines a set of extensions which instrument RADIUS authentication client functions. [STANDARDS-TRACK]

2617 Franks Jun 1999 HTTP Authentication: Basic and Digest Access Authentication

This document provides the specification for HTTP's authentication framework, the original Basic authentication scheme and a scheme based on cryptographic hashes, referred to as "Digest Access Authentication". [STANDARDS-TRACK]

2616 Fielding Jun 1999 Hypertext Transfer Protocol -- HTTP/1.1

HTTP has been in use by the World-Wide Web global information initiative since 1990. This specification defines the protocol referred to as "HTTP/1.1", and is an update to RFC 2068. [STANDARDS-TRACK]

2615 Malis Jun 1999 PPP over SONET/SDH

This document describes the use of PPP over Synchronous Optical Network (SONET) and Synchronous Digital Hierarchy (SDH) circuits. [STANDARDS-TRACK]

2614 Kempf Jun 1999 An API for Service Location

This document describes standardized APIs for SLP in C and Java. This memo provides information for the Internet community.

2613 Waterman Jun 1999 Remote Network Monitoring MIB Extensions for Switched Networks Version 1.0

This memo defines a portion of the Management Information Base (MIB) for use with network management protocols in TCP/IP-based internets. In particular, it defines objects for managing remote network monitoring devices in switched networks environments. [STANDARDS-TRACK]

2612 Adams Jun 1999 The CAST-256 Encryption Algorithm

This document describes an existing algorithm that can be used to satisfy this requirement. Included are a description of the cipher and the key scheduling algorithm, the s-boxes, and a set of test vectors (Appendix A). This memo provides information for the Internet community.

2611 Daigle Jun 1999 URN Namespace Definition Mechanisms

This document lays out general definitions of and mechanisms for establishing URN "namespaces". This document specifies an Internet Best Current Practices for the Internet Community, and requests discussion and suggestions for improvements.

2610 Perkins Jun 1999 DHCP Options for Service Location Protocol

The Dynamic Host Configuration Protocol provides a framework for passing configuration information to hosts on a TCP/IP network. Entities using the Service Location Protocol need to find out the address of Directory Agents in order to transact messages. Another option provides an assignment of scope for configuration of SLP User and Service Agents. [STANDARDS-TRACK]

2609 Guttman Jun 1999 Service Templates and Service: Schemes

This document describes a formal procedure for defining and standardizing new service types and attributes for use with the "service:" scheme. [STANDARDS-TRACK]

2608 Guttman Jun 1999 Service Location Protocol, Version 2

The Service Location Protocol provides a scalable framework for the discovery and selection of network services. Using this protocol, computers using the Internet need little or no static configuration of network services for network based applications. This is especially important as computers become more portable, and users less tolerant or able to fulfill the demands of network system administration. [STANDARDS-TRACK]

2607 Aboba Jun 1999 Proxy Chaining and Policy Implementation in Roaming

This document describes how proxy chaining and policy implementation can be supported in roaming systems. This memo provides information for the Internet community.

2606 Eastlake Jun 1999 Reserved Top Level DNS Names

To reduce the likelihood of conflict and confusion, a few top level domain names are reserved for use in private testing, as examples in documentation, and the like. In addition, a few second level domain names reserved for use as examples are documented. This document specifies an Internet Best Current Practices for the Internet Community, and requests discussion and suggestions for improvements.

2605 Mansfield Jun 1999 Directory Server Monitoring MIB

This memo defines a portion of the Management Information Base (MIB) for use with network management protocols in the Internet community.
[STANDARDS-TRACK]

2604 Gellens Jun 1999 Wireless Device Configuration
(OTASP/OTAPA) via ACAP

This paper describes a viable and attractive means to provide OTASP/OTAPA via IS-707, using the ACAP protocol. This memo provides information for the Internet community.

2603 Davison Jun 1999 ILMI-Based Server Discovery
for NHRP

This memo defines how ILMI-based Server Discovery, which provides a method for ATM-attached hosts and routers to dynamically determine the ATM addresses of servers, shall be used to locate NHRP servers.
[STANDARDS-TRACK]

2602 Davison Jun 1999 ILMI-Based Server Discovery
for MARS

This memo defines how ILMI-based Server Discovery, which provides a method for ATM-attached hosts and routers to dynamically determine the ATM addresses of servers, shall be used to locate MARS servers.
[STANDARDS-TRACK]

2601 Davison Jun 1999 ILMI-Based Server Discovery
for ATMARP

This memo defines how ILMI-based Server Discovery, which provides a method for ATM-attached hosts and routers to dynamically determine the ATM addresses of servers, shall be used to locate ATMARP servers.
[STANDARDS-TRACK]

2600 Reynolds Mar 2000 Internet Official Protocol
Standards

This memo is published by the RFC Editor in accordance with Section 2.1 of "The Internet Standards Process -- Revision 3", RFC 2026, which specifies the rules and procedures by which all Internet standards are set. This memo is prepared by the RFC Editor for the IESG and IAB. Please see <http://www.rfc-editor.org> for later updates to this document.
[STANDARDS-TRACK]

Security Considerations

Security issues are not discussed in this memo.

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