

Network Working Group
Request for Comments: 2599
Category: Informational

A. DeLaCruz
ISI
March 2000

Request for Comments Summary

RFC Numbers 2500-2599

Status of This Memo

This RFC is a slightly annotated list of the 100 RFCs from RFC 2500 through RFCs 2599. 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.

Copyright Notice

Copyright (C) The Internet Society (2000). All Rights Reserved.

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 -----
2599	Delacruz	Mar 2000	Request for Comments Summary

This memo.

2598	Jacobson	Jun 1999	An Expedited Forwarding PHB
------	----------	----------	-----------------------------

The definition of PHBs (per-hop forwarding behaviors) is a critical part of the work of the Diffserv Working Group. This document describes a PHB called Expedited Forwarding. [STANDARDS-TRACK]

2597 Heinanen Jun 1999 Assured Forwarding PHB Group

This document defines a general use Differentiated Services (DS) Per-Hop-Behavior (PHB) Group called Assured Forwarding (AF).
[STANDARDS-TRACK]

2596 Wahl May 1999 Use of Language Codes in LDAP

This document describes how language codes are carried in LDAP and are to be interpreted by LDAP servers. [STANDARDS-TRACK]

2595 Newman Jun 1999 Using TLS with IMAP, POP3 and ACAP

Recognizing that such sites will desire simple password authentication in combination with TLS encryption, this specification defines the PLAIN SASL mechanism for use with protocols which lack a simple password authentication command such as ACAP and SMTP. [STANDARDS-TRACK]

2594 Hazewinkel May 1999 Definitions of Managed Objects for WWW Services

This memo defines a portion of the Management Information Base (MIB) for use with network management protocols in the Internet Community. In particular it describes a set of objects for managing World Wide Web (WWW) services. [STANDARDS-TRACK]

2593 Schoenwaelder May 1999 Script MIB Extensibility Protocol Version 1.0

The Script MIB extensibility protocol (SMX) defined in this memo separates language specific runtime systems from language independent Script MIB implementations. This memo defines an Experimental Protocol for the Internet community.

2582 Floyd Apr 1999 The NewReno Modification to TCP's Fast Recovery Algorithm

This document describes a specific algorithm for responding to partial acknowledgments, referred to as NewReno. This memo defines an Experimental Protocol for the Internet community.

2581 Allman Apr 1999 TCP Congestion Control

This document defines TCP's four intertwined congestion control algorithms: slow start, congestion avoidance, fast retransmit, and fast recovery. In addition, the document specifies how TCP should begin transmission after a relatively long idle period, as well as discussing various acknowledgment generation methods. [STANDARDS-TRACK]

2580 McCloghrie Apr 1999 Conformance Statements for SMIV2

Collections of related objects are defined in MIB modules. It may be useful to define the acceptable lower-bounds of implementation, along with the actual level of implementation achieved. It is the purpose of this document to define the notation used for these purposes. [STANDARDS-TRACK]

2579 McCloghrie Apr 1999 Textual Conventions for SMIV2

It is the purpose of this document to define the initial set of textual conventions available to all MIB modules. [STANDARDS-TRACK]

2578 McCloghrie Apr 1999 Structure of Management Information Version 2 (SMIV2)

It is the purpose of this document, the Structure of Management Information Version 2 (SMIV2), to define that adapted subset, and to assign a set of associated administrative values. [STANDARDS-TRACK]

2577 Allman May 1999 FTP Security Considerations

This document provides suggestions for system administrators and those implementing FTP servers that will decrease the security problems associated with FTP. This memo provides information for the Internet community.

2576 Frye March 2000 Coexistence between Version 1, Version 2, and Version 3 of the Internet-standard Network Management Framework

The purpose of this document is to describe coexistence between version 3 of the Internet-standard Network Management Framework, (SNMPv3), version 2 of the Internet-standard Network Management Framework (SNMPv2), and the original Internet-standard Network Management Framework (SNMPv1). [STANDARDS TRACK]

2575 Wijnen Apr 1999 View-based Access Control Model (VACM) for the Simple Network Management Protocol (SNMP)

This document describes the View-based Access Control Model for use in the SNMP architecture (RFC2571). It defines the Elements of Procedure for controlling access to management information. This document also includes a MIB for remotely managing the configuration parameters for the View-based Access Control Model. [STANDARDS-TRACK]

2574 Blumenthal Apr 1999 User-based Security Model (USM) for version 3 of the Simple Network Management Protocol (SNMPv3)

This document describes the User-based Security Model (USM) for SNMP version 3 for use in the SNMP architecture. It defines the Elements of Procedure for providing SNMP message level security. This document also includes a MIB for remotely monitoring/managing the configuration parameters for this Security Model. [STANDARDS-TRACK]

2573 Levi Apr 1999 SNMP Applications

This memo describes five types of SNMP applications which make use of an SNMP engine. This memo also defines MIB modules for specifying targets of management operations, for notification filtering, and for proxy forwarding. [STANDARDS-TRACK]

2568 Zilles Apr 1999 Rationale for the Structure of the Model and Protocol for the Internet Printing Protocol

This document describes IPP from a high level view, defines a roadmap for the various documents that form the suite of IPP specifications, and gives background and rationale for the IETF working group's major decisions. This memo defines an Experimental Protocol for the Internet community.

2567 Wright Apr 1999 Design Goals for an Internet Printing Protocol

This document takes a broad look at distributed printing functionality, and it enumerates real-life scenarios that help to clarify the features that need to be included in a printing protocol for the Internet. It identifies requirements for three types of users: end users, operators, and administrators. This memo defines an Experimental Protocol for the Internet community.

2566 deBry Apr 1999 Internet Printing Protocol/1.0: Model and Semantics

This document describes a simplified model consisting of abstract objects, their attributes, and their operations that is independent of encoding and transport. This document also addresses security, internationalization, and directory issues. This memo defines an Experimental Protocol for the Internet community.

2565 Herriot Apr 1999 Internet Printing Protocol/1.0: Encoding and Transport

This document defines the rules for encoding IPP operations and IPP attributes into a new Internet mime media type called "application/ipp". This document also defines the rules for transporting over HTTP a message body whose Content-Type is "application/ipp". This document defines an Experimental protocol for the Internet community.

2564 Kalbfleisch May 1999 Application Management MIB

This memo defines a standards track portion of the Management Information Base (MIB) for use with network management protocols in the Internet Community. In particular, it defines objects used for the management of applications. [STANDARDS-TRACK]

2563 Troll May 1999 DHCP Option to Disable
Stateless Auto-Configuration in
IPv4 Clients

This document describes a mechanism by which DHCP servers are able to tell clients that they do not have an IP address to offer, and that the client should not generate an IP address it's own. [STANDARDS-TRACK]

2562 White Apr 1999 Definitions of Protocol and
Managed Objects for TN3270E
Response Time Collection Using
SMIv2 (TN3270E-RT-MIB)

This memo defines the protocol and the Management Information Base (MIB) for performing response time data collection on TN3270 and TN3270E sessions by a TN3270E server. [STANDARDS-TRACK]

2561 White Apr 1999 Base Definitions of Managed
Objects for TN3270E Using SMIv2

This memo defines a Management Information Base (MIB) for configuring and managing TN3270E servers. The MIB defined by this memo provides generic support for both host and gateway TN3270E server implementations. [STANDARDS-TRACK]

2560 Myers Jun 1999 X.509 Internet Public Key
Infrastructure Online
Certificate Status
Protocol - OCSP

This document specifies a protocol useful in determining the current status of a digital certificate without requiring CRLs. [STANDARDS-TRACK]

2559 Boeyen Apr 1999 Internet X.509 Public Key
Infrastructure Operational
Protocols - LDAPv2

Specifically, this document addresses requirements to provide access to Public Key Infrastructure (PKI) repositories for the purposes of retrieving PKI information and managing that same information. [STANDARDS-TRACK]

2558 Tesink Mar 1999 Definitions of Managed Objects
for the SONET/SDH Interface Type

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 Synchronous Optical Network/Synchronous Digital Hierarchy (SONET/SDH) interfaces. This document is a companion to the documents that define Managed Objects for the DS1/E1/DS2/E2 and DS3/E3 Interface Types. [STANDARDS-TRACK]

2557 Palme Mar 1999 MIME Encapsulation of
Aggregate Documents, such
as HTML (MHTML)

This document a) defines the use of a MIME multipart/related structure to aggregate a text/html root resource and the subsidiary resources it references, and b) specifies a MIME content-header (Content-Location) that allow URIs in a multipart/related text/html root body part to reference subsidiary resources in other body parts of the same multipart/related structure. [STANDARDS-TRACK]

2556 Bradner Mar 1999 OSI connectionless transport
services on top of UDP
Applicability Statement for
Historic Status

RFC 1240, "OSI connectionless transport services on top of UDP", was published as a Proposed Standard in June 1991 but at this time there do not seem to be any implementations which follow RFC 1240. In addition there is a growing concern over using UDP-based transport protocols in environments where congestion is a possibility This memo provides information for the Internet community.

2555 RFC Editor Apr 1999 30 Years of RFCs

The rest of this document contains a brief recollection from the present RFC Editor Joyce K. Reynolds, followed by recollections from three pioneers: Steve Crocker who wrote RFC 1, Vint Cerf whose long-range vision continues to guide us, and Jake Feinler who played a key role in the middle years of the RFC series. This memo provides information for the Internet community.

2554 Myers Mar 1999 SMTP Service Extension

This document defines an SMTP service extension [ESMTP] whereby an SMTP client may indicate an authentication mechanism to the server, perform an authentication protocol exchange, and optionally negotiate a security layer for subsequent protocol interactions. [STANDARDS-TRACK]

2553 Gilligan Mar 1999 Basic Socket Interface
Extensions for IPv6

TCP/IP applications written using the sockets API have in the past enjoyed a high degree of portability and we would like the same portability with IPv6 applications. But changes are required to the sockets API to support IPv6 and this memo describes these changes. These include a new socket address structure to carry IPv6 addresses, new address conversion functions, and some new socket options. This memo provides information for the Internet community.

2552 Blinov Apr 1999 Architecture for Information
Brokerage in the ACTS Project
GAIA

This memo introduces a domain and supplier independent generic architecture for information brokerage, designed as part of the ACTS project GAIA (Generic Architecture for Information Availability). This memo provides information for the Internet community.

2551 Bradner 1 Apr 1999 The Roman Standards Process --
Revision III

This memo documents the process used by the Roman community for the standardization of protocols and procedures. It defines the stages in the standardization process, the requirements for moving a document between stages and the types of documents used during this process. It also addresses the intellectual property rights and copyright issues associated with the standards process.

2550 Glassman 1 Apr 1999 Y10K and Beyond

This specification provides a solution to the "Y10K" problem which has also been called the "YAK" problem (hex) and the "YXK" problem (Roman numerals). This memo provides information for the Internet community.

2549 Waitzman 1 Apr 1999 IP over Avian Carriers with
Quality of Service

This memo amends RFC 1149, "A Standard for the Transmission of IP Datagrams on Avian Carriers", with Quality of Service information. This is an experimental, not recommended standard. This memo defines an Experimental Protocol for the Internet community.

2548 Zorn Mar 1999 Microsoft Vendor-specific
RADIUS Attributes

This document describes the set of Microsoft vendor-specific RADIUS attributes. This memo provides information for the Internet community.

2547 Rosen Mar 1999 BGP/MPLS VPNs

This document describes a method by which a Service Provider with an IP backbone may provide VPNs (Virtual Private Networks) for its customers. This memo provides information for the Internet community.

2546 Durand Mar 1999 6Bone Routing Practice

This memo identifies guidelines on how 6Bone sites might operate, so that the 6Bone can remain a quality experimentation environment and to avoid pathological situations that have been encountered in the past. It defines the 'best current practice' acceptable in the 6Bone for the configuration of both Interior Gateway Protocols and Exterior Gateway Protocols. This memo provides information for the Internet community.

2545 Marques Mar 1999 Use of BGP-4 Multiprotocol Extensions for IPv6 Inter-Domain Routing

BGP-4 Multiprotocol Extensions (BGP-MP) defines the format of two BGP attributes (MP_REACH_NLRI and MP_UNREACH_NLRI) that can be used to announce and withdraw the announcement of reachability information. This document defines how compliant systems should make use of those attributes for the purpose of conveying IPv6 routing information. [STANDARDS-TRACK]

2544 Bradner Mar 1999 Benchmarking Methodology for Network Interconnect Devices

This document is a republication of RFC 1944 correcting the values for the IP addresses which were assigned to be used as the default addresses for networking test equipment. This memo provides information for the Internet community.

2543 Handley Mar 1999 SIP: Session Initiation Protocol

The Session Initiation Protocol (SIP) is an application-layer control (signaling) protocol for creating, modifying and terminating sessions with one or more participants. [STANDARDS-TRACK]

2542 Masinter Mar 1999 Terminology and Goals for Internet Fax

This document defines a number of terms useful for the discussion of Internet Fax. In addition, it describes the goals of the Internet Fax working group and establishes a baseline of desired functionality against which protocols for Internet Fax can be judged. This memo provides information for the Internet community.

2541 Eastlake Mar 1999 DNS Security Operational Consideration

This document discusses these operational aspects for keys and signatures used in connection with the KEY and SIG DNS resource records. This memo provides information for the Internet community.

2540 Eastlake Mar 1999 Detached Domain Name System (DNS) Information

A standard format is defined for representing detached DNS information. This is anticipated to be of use for storing information retrieved from the Domain Name System (DNS), including security information, in archival contexts or contexts not connected to the Internet. This memo defines an Experimental Protocol for the Internet community.

2539 Eastlake Mar 1999 Storage of Diffie-Hellman Keys in the Domain Name System (DNS)

A standard method for storing Diffie-Hellman keys in the Domain Name System is described which utilizes DNS KEY resource records. [STANDARDS-TRACK]

2538 Eastlake Mar 1999 Storing Certificates in the Domain Name System (DNS)

Cryptographic public key are frequently published and their authenticity demonstrated by certificates. A CERT resource record (RR) is defined so that such certificates and related certificate revocation lists can be stored in the Domain Name System (DNS). [STANDARDS-TRACK]

2537 Eastlake Mar 1999 RSA/MD5 KEYS and SIGs in the Domain Name System (DNS)

A standard method for storing RSA keys and and RSA/MD5 based signatures in the Domain Name System is described which utilizes DNS KEY and SIG resource records. [STANDARDS-TRACK]

2536 Eastlake Mar 1999 DSA KEYS and SIGs in the Domain Name System (DNS)

A standard method for storing US Government Digital Signature Algorithm keys and signatures in the Domain Name System is described which utilizes DNS KEY and SIG resource records. [STANDARDS-TRACK]

2535 Eastlake Mar 1999 Domain Name System Security Extensions

This document incorporates feedback on RFC 2065 from early implementers and potential users. [STANDARDS-TRACK]

2534 Masinter Mar 1999 Media Features for Display, Print, and Fax

This specification defines some common media features for describing image resolution, size, color, and image representation methods that are common to web browsing, printing, and facsimile applications. [STANDARDS-TRACK]

2533 Klyne Mar 1999 A Syntax for Describing Media Feature Sets

This document introduces and describes a syntax that can be used to define feature sets which are formed from combinations and relations involving individual media features. [STANDARDS-TRACK]

2532 Masinter Mar 1999 Extended Facsimile Using Internet Mail

This document describes extensions to "Simple Mode of Facsimile Using Internet Mail", and describes additional features, including transmission of enhanced document characteristics (higher resolution, color) and confirmation of delivery and processing. [STANDARDS-TRACK]

2531 Klyne Mar 1999 Content Feature Schema for Internet Fax

This document defines a content feature schema that is a profile of the media feature registration mechanisms for use in performing capability identification between extended Internet fax systems. [STANDARDS-TRACK]

2530 Wing Mar 1999 Indicating Supported Media Features Using Extensions to DSN and MDN

This memo describes a format for generating Message Disposition Notifications and Delivery Status Notifications which contain such information. [STANDARDS-TRACK]

2529 Carpenter Mar 1999 Transmission of IPv6 over IPv4 Domains without Explicit Tunnels

This memo specifies the frame format for transmission of IPv6 (IPV6) packets and the method of forming IPv6 link-local addresses over IPv4 domains. It also specifies the content of the Source/Target Link-layer Address option used in the Router Solicitation, Router Advertisement, Neighbor Solicitation, and Neighbor Advertisement and Redirect messages, when those messages are transmitted on an IPv4 multicast network. [STANDARDS-TRACK]

2528 Housley Mar 1999 Internet X.509 Public Key Infrastructure

This specification contains guidance on the use of the Internet Public Key Infrastructure certificates to convey Key Exchange Algorithm (KEA) keys. This memo provides information for the Internet community.

2527 Chokhani Mar 1999 Internet X.509 Public Key Infrastructure Certificate Policy and Certification Practices Framework

This document presents a framework to assist the writers of certificate policies or certification practice statements for certification authorities and public key infrastructures. In particular, the framework provides a comprehensive list of topics that potentially (at the writer's discretion) need to be covered in a certificate policy definition or a certification practice statement. This memo provides information for the Internet community.

2526 Johnson Mar 1999 Reserved IPv6 Subnet Anycast Addresses

This document defines a set of reserved anycast addresses within each subnet prefix, and lists the initial allocation of these reserved subnet anycast addresses. [STANDARDS-TRACK]

2525 Paxson Mar 1999 Known TCP Implementation Problems

This memo catalogs a number of known TCP implementation problems. This memo provides information for the Internet community.

2524 Banan Feb 1999 Neda's Efficient Mail Submission and Delivery (EMSD) Protocol Specification Version 1.3

This specification narrowly focuses on submission and delivery of short mail messages with a clear emphasis on efficiency. This memo provides information for the Internet community.

2523 Karn Mar 1999 Photuris: Extended Schemes and Attributes

Photuris is a session-key management protocol. Extensible Exchange-Schemes are provided to enable future implementation changes without affecting the basic protocol. This document defines an Experimental Protocol for the Internet community.

2522 Karn Mar 1999 Photuris: Session-Key Management Protocol

This document defines the basic protocol mechanisms. This document defines an Experimental Protocol for the Internet community.

2521 Karn Mar 1999 ICMP Security Failures Messages

This document specifies ICMP messages for indicating failures when using IP Security Protocols (AH and ESP). This document defines an Experimental Protocol for the Internet community.

2520 Luciani Feb 1999 NHRP with Mobile NHCs

is document describes an extension to NHRP which would allow Mobile NHCs to perform a registration with and attach to an NHS in their home LIS in an authenticated manner. This memo defines an Experimental Protocol for the Internet community.

2519 Chen Feb 1999 A Framework for Inter-Domain Route Aggregation

This document presents a framework for inter-domain route aggregation and shows an example router configuration which 'implements' this framework. This memo provides information for the Internet community

2518 Goland Feb 1999 HTTP Extensions for Distributed Authoring -- WEBDA

This document specifies a set of methods, headers, and content-types ancillary to HTTP/1.1 for the management of resource properties, creation and management of resource collections, namespace manipulation, and resource locking (collision avoidance). [STANDARDS-TRACK]

2517 Moats Feb 1999 Building Directories from DNS: Experiences from WWWSeeker

This memo discusses lessons that were learned during InterNIC Directory and Database Services' development and operation of WWWSeeker, an application that finds a web site given information about the name and location of an organization. This memo provides information for the Internet community.

2516 Mamakos Feb 1999 A Method for Transmitting PPP Over Ethernet (PPPoE)

This document describes how to build PPP sessions and encapsulate PPP packets over Ethernet. This memo provides information for the Internet community.

2515 Tesink Feb 1999 Definitions of Managed Objects
for ATM Management

This memo defines a portion of the Management Information Base (MIB) for use with network management protocols in the Internet community. In particular, it describes objects used for managing ATM-based interfaces, devices, networks and services. [STANDARDS-TRACK]

2514 Noto Feb 1999 Definitions of Textual
Conventions and OBJECT-
IDENTITIES for ATM MEangement

This memo describes Textual Conventions and OBJECT-IDENTITIES used for managing ATM-based interfaces, devices, networks and services. [STANDARDS-TRACK]

2513 McCloghrie Feb 1999 Managed Objects for
Controlling the Collection
and Storage of Accounting
Information for Connection-
Oriented Networks

This memo defines a portion of the Management Information Base (MIB) for use with network management protocols in the Internet community. In particular, it describes managed objects used for controlling the collection and storage of accounting information for connection-oriented networks such as ATM. [STANDARDS-TRACK]

2512 McCloghrie Feb 1999 Accounting Information for ATM
Networks

This memo defines a portion of the Management Information Base (MIB) for use with network management protocols in the Internet community. This memo defines a set of ATM-specific accounting information which can be collected for connections on ATM networks. [STANDARDS-TRACK]

2511 Myers Mar 1999 Internet X.509 Certificate
Request Message Format

This document describes the Certificate Request Message Format (CRMF). [STANDARDS-TRACK]

2510 Adams Mar 1999 Internet X.509 Public Key Infrastructure Certificate Management Protocols

This document describes the Internet X.509 Public Key Infrastructure (PKI) Certificate Management Protocols. [STANDARDS-TRACK]

2509 Engan Feb 1999 IP Header Compression over PPP

This document describes an option for negotiating the use of header compression on IP datagrams transmitted over the Point-to-Point Protocol. It defines extensions to the PPP Control Protocols for IPv4 and IPv6. [STANDARDS-TRACK]

2508 Casner Feb 1999 Compressing IP/UDP/RT Headers for Low-Speed Serial Links

This document describes a method for compressing the headers of IP/UDP/RTP datagrams to reduce overhead on low-speed serial links. [STANDARDS-TRACK]

2507 Degermark Feb 1999 IP Header Compression

This document describes how to compress multiple IP headers and TCP and UDP headers per hop over point to point links. [STANDARDS-TRACK]

2506 Holtman Mar 1999 Media Feature Tag Registration Procedure

This document defines a registration procedure which uses the Internet Assigned Numbers Authority (IANA) as a central registry for the media feature vocabulary. This document specifies an Internet Best Current Practices for the Internet Community, and requests discussion and suggestions for improvements.

2505 Lindberg Feb 1999 Anti-Spam Recommendations for SMTP MTAs

This memo gives a number of implementation recommendations for SMTP, MTAs (Mail Transfer Agents, e.g. sendmail,) to make them more capable of reducing the impact of spam. This document specifies an Internet Best Current Practices for the Internet Community, and requests discussion and suggestions for improvements.

2504 Guttman Feb 1999 Users' Security Handbook

The Users' Security Handbook is the companion to the Site Security Handbook (SSH). It is intended to provide users with the information they need to help keep their networks and systems secure. This memo provides information for the Internet community.

2503 Moulton Feb 1999 MIME Types for Use with the ISO ILL Protocol

This memorandum describes a set of MIME types for use with the ISO Interlibrary Loan Protocol (ISO 10160/10161). This memo provides information for the Internet community.

2502 Pullen Feb 1999 Limitations of Internet Protocol Suite for Distributed Simulation the Large Multicast Environment

This memo defines services that LSMA has found to be required, and aspects of the Internet protocols that LSMA has found to need further development in order to meet these requirements. This memo provides information for the Internet community.

2501 Corson Jan 1999 Mobile Ad hoc Networking (MANET): Routing Protocol Performance Issues and Evaluation Considerations

This memo first describes the characteristics of Mobile Ad hoc Networks (MANETs), and their idiosyncrasies with respect to traditional, hardwired packet networks. It then discusses the effect these differences have on the design and evaluation of network control protocols with an emphasis on routing performance evaluation considerations. This memo provides information for the Internet community.

2500 IETF Jun 1999 Internet Official Protocol Standards

This memo summarizes the status of Internet protocols and specifications. [STANDARDS-TRACK]

Security Considerations

This memo does not affect the technical security of the Internet, but it does cite some security specifications.

Author's Address

Alison De La Cruz
University of Southern California
Information Sciences Institute
4676 Admiralty Way
Marina del Rey, CA 90292

Phone: (310) 822-1511
EMail: delacruz@isi.edu

Full Copyright Statement

Copyright (C) The Internet Society (2000). All Rights Reserved.

This document and translations of it may be copied and furnished to others, and derivative works that comment on or otherwise explain it or assist in its implementation may be prepared, copied, published and distributed, in whole or in part, without restriction of any kind, provided that the above copyright notice and this paragraph are included on all such copies and derivative works. However, this document itself may not be modified in any way, such as by removing the copyright notice or references to the Internet Society or other Internet organizations, except as needed for the purpose of developing Internet standards in which case the procedures for copyrights defined in the Internet Standards process must be followed, or as required to translate it into languages other than English.

The limited permissions granted above are perpetual and will not be revoked by the Internet Society or its successors or assigns.

This document and the information contained herein is provided on an "AS IS" basis and THE INTERNET SOCIETY AND THE INTERNET ENGINEERING TASK FORCE DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTY THAT THE USE OF THE INFORMATION HEREIN WILL NOT INFRINGE ANY RIGHTS OR ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

Acknowledgement

Funding for the RFC Editor function is currently provided by the Internet Society.

