

Network Working Group
Request for Comments: 2799
Category: Informational

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ISI
September 2000

Request for Comments Summary

RFC Numbers 2700-2799

Status of This Memo

This RFC is a slightly annotated list of the 100 RFCs from RFC 2700 through RFCs 2799. 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 -----
2799	Ginoza		Request for Comments Summary

This memo.

2798	Smith	Apr 2000	Definition of the inetOrgPerson LDAP Object Class
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We define a new object class called inetOrgPerson for use in LDAP and X.500 directory services that extends the X.521 standard organizationalPerson class to meet these needs. This memo provides information for the Internet community.

2792 Blaze Mar 2000 DSA and RSA Key and Signature
Encoding for the KeyNote Trust
Management System

This memo describes RSA and DSA key and signature encoding, and binary key encoding for version 2 of the KeyNote trust-management system. This memo provides information for the Internet community.

2791 Yu Jul 2000 Scalable Routing Design
Principles

This document identifies major factors affecting routing scalability as well as basic principles of designing scalable routing for large networks. This memo provides information for the Internet community.

2790 Waldbusser Mar 2000 Host Resources MIB

This memo obsoletes RFC 1514, the "Host Resources MIB". This memo extends that specification by clarifying changes based on implementation and deployment experience and documenting the Host Resources MIB in SMIV2 format while remaining semantically identical to the existing SMIV1-based MIB. [STANDARDS TRACK]

2789 Freed Mar 2000 Mail Monitoring MIB

This memo defines a portion of the Management Information Base (MIB) for use with network management protocols in the Internet community. Specifically, this memo extends the basic Network Services Monitoring MIB defined in RFC 2788 [16] to allow monitoring of Message Transfer Agents (MTAs). It may also be used to monitor MTA components within gateways. [STANDARDS TRACK]

2788 Freed Mar 2000 Network Services Monitoring
MIB

This document defines a MIB which contains the elements common to the monitoring of any network service application. [STANDARDS TRACK]

2787	Jewell	Mar 2000	Definitions of Managed Objects for the Virtual Router Redundancy Protocol
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This specification defines an extension to the Management Information Base (MIB) for use with SNMP-based network management. In particular, it defines objects for configuring, monitoring, and controlling routers that employ the Virtual Router Redundancy Protocol (VRRP). [STANDARDS TRACK]

2786	St. Johns	Mar 2000	Diffie-Helman USM Key Management Information Base and Textual Convention
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This memo defines an experimental portion of the Management Information Base (MIB) for use with network management protocols the Internet community. In particular, it defines a textual convention for doing Diffie-Helman key agreement key exchanges and a set of objects which extend the usmUserTable to permit the use of DH key exchange in addition to the key change method. This memo defines an Experimental Protocol for the Internet community.

2785	Zuccherato	Mar 2000	Methods for Avoiding the "Small-Subgroup" Attacks on the Diffie-Hellman Key Agreement Method for S/MIME
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This document will describe the situations relevant to implementations of S/MIME version 3 in which protection is necessary and the methods that can be used to prevent these attacks. This memo provides information for the Internet community.

2784	Farinacci	Mar 2000	Generic Routing Encapsulation (GRE)
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This document specifies a protocol for encapsulation of an arbitrary network layer protocol over another arbitrary network layer protocol. [STANDARDS TRACK]

2783 Mogul Mar 2000 Pulse-Per-Second API for
 UNIX-like Operating Systems,
 Version 1.0

RFC 1589 did not define an API for managing the PPS facility, leaving implementors without a portable means for using PPS sources. This document specifies such an API. This memo provides information for the Internet community.

2782 Gulbrandsen Feb 2000 A DNS RR for specifying the
 location of services (DNS SRV)

This document describes a DNS RR which specifies the location of the server(s) for a specific protocol and domain. [STANDARDS TRACK]

2781 Hoffman Feb 2000 UTF-16, an encoding of ISO
 10646

This document describes the UTF-16 encoding of Unicode/ISO-10646, addresses the issues of serializing UTF-16 as an octet stream for transmission over the Internet, discusses MIME charset naming as described in [CHARSET-REG], and contains the registration for three MIME charset parameter values: UTF-16BE (big-endian), UTF-16LE (little-endian), and UTF-16. This memo provides information for the Internet community.

2780 Bradner Mar 2000 IANA Allocation Guidelines For
 Values In the Internet
 Protocol and Related Headers

This memo provides guidance for the IANA to use in assigning parameters for fields in the IPv4, IPv6, ICMP, UDP and TCP protocol headers. This document specifies an Internet Best Current Practices for the Internet Community, and requests discussion and suggestions for improvements.

2779 Day Feb 2000 Instant Messaging / Presence
 Protocol Requirements

This document defines a minimal set of requirements that IMPP must meet. This memo provides information for the Internet community.

2778 Day Feb 2000 A Model for Presence and
Instant Messaging

This document defines an abstract model for a presence and instant messaging system. It defines the various entities involved, defines terminology, and outlines the services provided by the system. This memo provides information for the Internet community.

2777 Eastlake Feb 2000 Publicly Verifiable Nomcom
Random Selection

This document describes a method for making random selections in such a way that the unbiased nature of the choice is publicly verifiable. This memo provides information for the Internet community.

2776 Handley Feb 2000 Multicast-Scope Zone
Announcement Protocol (MZAP)

This document defines a protocol, the Multicast-Scope Zone Announcement Protocol (MZAP), for discovering the multicast administrative scope zones that are relevant at a particular location. [STANDARDS TRACK]

2775 Carpenter Feb 2000 Internet Transparency

This document describes the current state of the Internet from the architectural viewpoint, concentrating on issues of end-to-end connectivity and transparency.

2774 Nielsen Feb 2000 An HTTP Extension Framework

This document describes a generic extension mechanism for HTTP, which is designed to address the tension between private agreement and public specification and to accommodate extension of applications using HTTP clients, servers, and proxies. This memo defines an Experimental Protocol for the Internet community.

2773 Housley Feb 2000 Encryption using KEA and
 SKIPJACK

This document defines a method to encrypt a file transfer using the FTP specification STD 9, RFC 959, "File Transfer Protocol (FTP)", (October 1985) and RFC 2228, "FTP Security Extensions" (October 1997). This memo defines an Experimental Protocol for the Internet community.

2772 Rockell Feb 2000 6Bone Backbone Routing
 Guidelines

This document provides a set of guidelines for all 6bone routing equipment operators to use as a reference for efficient and stable deployment of 6bone routing systems. This memo provides information for the Internet community.

2771 Finlayson Feb 2000 An Abstract API for Multicast
 Address Allocation

This document describes the "abstract service interface" for the dynamic multicast address allocation service, as seen by applications. This memo provides information for the Internet community.

2770 Meyer Feb 2000 GLOP Addressing in 233/8

This describes an experimental policy for use of the class D address space using 233/8 as the experimental statically assigned subset of the class D address space. This memo defines an Experimental Protocol for the Internet community.

2769 Villamizar Feb 2000 Routing Policy System
 Replication

This document addresses the need to distribute data over multiple repositories and delegate authority for data subsets to other repositories without compromising the authorization model established in Routing Policy System Security RFC. [STANDARDS TRACK]

2768 Aiken Feb 2000 Network Policy and Services:
 A Report of a Workshop on
 Middleware

An ad hoc middleware workshop was held at the International Center for Advanced Internet Research in December 1998. The need for a more organized framework for middleware R&D was recognized, and a list of specific topics needing further work was identified. This memo provides information for the Internet community.

2767 Tsuchiya Feb 2000 Dual Stack Hosts using the
 "Bump-In-the-Stack" Technique
 (BIS)

This memo proposes a mechanism of dual stack hosts using the technique called "Bump-in-the-Stack" in the IP security area. This memo provides information for the Internet community.

2766 Tsirtsis Feb 2000 Network Address Translation -
 Protocol Translation (NAT-PT)

This document specifies an IPv4-to-IPv6 transition mechanism, in addition to those already specified. [STANDARDS TRACK]

2765 Nordmark Feb 2000 Stateless IP/ICMP Translation
 Algorithm (SIIT)

This document specifies a transition mechanism algorithm in addition to the mechanisms already specified. [STANDARDS TRACK]

2764 Gleeson Feb 2000 A Framework for IP Based
 Virtual Private Networks

This document describes a framework for Virtual Private Networks (VPNs) running across IP backbones. This memo provides information for the Internet community.

2758 White Feb 2000 Definitions of Managed Objects
 for Service Level Agreements
 Performance Monitoring

This memo defines a Management Information Base (MIB) for performance monitoring of Service Level Agreements (SLAs) defined via policy definitions. This memo defines an Experimental Protocol for the Internet community.

2757 Montenegro Jan 2000 Long Thin Networks

Our goal is to identify a TCP that works for all users, including users of long thin networks. This memo provides information for the Internet community.

2756 Vixie Jan 2000 Hyper Text Caching Protocol
 (HTCP/0.0)

This document describes HTCP, a protocol for discovering HTTP caches and cached data, managing sets of HTTP caches, and monitoring cache activity. This is an experimental protocol, one among several proposals to perform these functions. This memo defines an Experimental Protocol for the Internet community.

2755 Chiu Jan 2000 Security Negotiation for
 WebNFS

This document describes a protocol for a WebNFS client (RFC2054) to negotiate the desired security mechanism with a WebNFS server (RFC2055) before the WebNFS client falls back to the MOUNT v3 protocol (RFC1813). This document is provided so that people can write compatible implementations. This memo provides information for the Internet community.

2754 Alaettinoglu Jan 2000 RPS IANA Issues

RPS Security requires certain RPSL objects in the IRR to be hierarchically delegated. The set of objects that are at the root of this hierarchy needs to be created and digitally signed by IANA. This paper presents these seed objects and lists operations required from IANA. This memo provides information for the Internet community.

2753 Yavatkar Jan 2000 A Framework for Policy-based Admission Control

This document is concerned with specifying a framework for providing policy-based control over admission control decisions. This memo provides information for the Internet community.

2752 Yadav Jan 2000 Identity Representation for RSVP

This document describes the representation of identity information in POLICY_DATA object for supporting policy based admission control in RSVP. [STANDARDS TRACK]

2751 Herzog Jan 2000 Signaled Preemption Priority Policy Element

This document describes a preemption priority policy element for use by signaled policy based admission protocols (such as RSVP and COPS). [STANDARDS TRACK]

2750 Herzog Jan 2000 RSVP Extensions for Policy Control

This memo presents a set of extensions for supporting generic policy based admission control in RSVP. [STANDARDS TRACK]

2749 Herzog Jan 2000 COPS usage for RSVP

This document describes usage directives for supporting COPS policy services in RSVP environments. [STANDARDS TRACK]

2748 Durham Jan 2000 The COPS (Common Open Policy Service) Protocol

This document describes a simple client/server model for supporting policy control over QoS signaling protocols. [STANDARDS TRACK]

2747 Baker Jan 2000 RSVP Cryptographic Authentication

This document describes the format and use of RSVP's INTEGRITY object to provide hop-by-hop integrity and authentication of RSVP messages. [STANDARDS TRACK]

2746 Terzis Jan 2000 RSVP Operation Over IP Tunnels

This document describes an approach for providing RSVP protocol services over IP tunnels. [STANDARDS TRACK]

2745 Terzis Jan 2000 RSVP Diagnostic Messages

This document specifies the RSVP diagnostic facility, which allows a user to collect information about the RSVP state along a path. [STANDARDS TRACK]

2744 Wray Jan 2000 Generic Security Service API Version 2 : C-bindings

This document specifies C language bindings for Version 2, Update 1 of the Generic Security Service Application Program Interface (GSS-API), which is described at a language-independent conceptual level in RFC 2743. [STANDARDS TRACK]

2738 Klyne Dec 1999 Corrections to "A Syntax for
Describing Media Feature Sets"

In RFC 2533, "A Syntax for Describing Media Feature Sets", an expression format is presented for describing media feature capabilities using simple media feature tags. This memo contains two corrections to that specification: one fixes an error in the formal syntax specification, and the other fixes an error in the rules for reducing feature comparison predicates. [STANDARDS TRACK]

2737 McCloghrie Dec 1999 Entity MIB (Version 2)

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 managing multiple logical and physical entities managed by a single SNMP agent. [STANDARDS TRACK]

2736 Handley Dec 1999 Guidelines for Writers of RTP
Payload Format Specifications

This document provides general guidelines aimed at assisting the authors of RTP Payload Format specifications in deciding on good formats. This document specifies an Internet Best Current Practices for the Internet Community, and requests discussion and suggestions for improvements.

2735 Fox Dec 1999 NHRP Support for Virtual
Private Networks

The NBMA Next Hop Resolution Protocol (NHRP) is used to determine the NBMA subnetwork addresses of the "NBMA next hop" towards a public internetworking layer address. This document describes the enhancements necessary to enable NHRP to perform the same function for private internetworking layer addresses available within the framework of a Virtual Private Network (VPN) service on a shared NBMA network. [STANDARDS TRACK]

2734 Johansson Dec 1999 IPv4 over IEEE 1394

This document specifies how to use IEEE Std 1394-1995, Standard for a High Performance Serial Bus (and its supplements), for the transport of Internet Protocol Version 4 (IPv4) datagrams; it defines the necessary methods, data structures and codes for that purpose. [STANDARDS TRACK]

2733 Rosenberg Dec 1999 An RTP Payload Format for
Generic Forward Error
Correction

This document specifies a payload format for generic forward error correction of media encapsulated in RTP. [STANDARDS TRACK]

2732 Hinden Dec 1999 Format for Literal IPv6
Addresses in URL's

This document defines the format for literal IPv6 Addresses in URL's for implementation in World Wide Web browsers. [STANDARDS TRACK]

2731 Kunze Dec 1999 Encoding Dublin Core Metadata
in HTML

The Dublin Core is a small set of metadata elements for describing information resources. This document explains how these elements are expressed using the META and LINK tags of HTML. This memo provides information for the Internet community.

2730 Hanna Dec 1999 Multicast Address Dynamic
Client Allocation Protocol
(MADCAP)

This document defines a protocol, Multicast Address Dynamic Client Allocation Protocol (MADCAP), that allows hosts to request multicast addresses from multicast address allocation servers. [STANDARDS TRACK]

2729 Bagnall Dec 1999 Taxonomy of Communication
Requirements for Large-scale
Multicast Applications

The intention of this memo is to define a classification system for the communication requirements of any large-scale multicast application (LSMA). This memo provides information for the Internet community.

2728 Panabaker Nov 1999 The Transmission of IP Over
the Vertical Blanking Interval
of a Television Signal

This document describes a method for broadcasting IP data in a unidirectional manner using the vertical blanking interval of television signals. [STANDARDS TRACK]

2727 Galvin Feb 2000 IAB and IESG Selection,
Confirmation, and Recall
Process: Operation of the
Nominating and Recall
Committees

The process by which the members of the IAB and IESG are selected, confirmed, and recalled is specified. This document is a self-consistent, organized compilation of the process as it was known at the time of publication. This document specifies an Internet Best Current Practices for the Internet Community, and requests discussion and suggestions for improvements.

2726 Zsako Dec 1999 PGP Authentication for RIPE
Database Updates

This document presents the proposal for a stronger authentication method of the updates of the RIPE database based on digital signatures. [STANDARDS TRACK]

2725 Villamizar Dec 1999 Routing Policy System Security

The implementation and deployment of a routing policy system must maintain some degree of integrity to be of any operational use. This document addresses the need to assure integrity of the data by providing an authentication and authorization model. [STANDARDS TRACK]

2724 Handelman Oct 1999 RTFM: New Attributes for
Traffic Flow Measurement

This document discusses RTFM flows and the attributes which they can have, so as to provide a logical framework for extending the architecture by adding new attributes. This memo defines an Experimental Protocol for the Internet community.

2723 Brownlee Oct 1999 SRL: A Language for Describing
Traffic Flows and Specifying
Actions for Flow Groups

This document describes a language for specifying rulesets, i.e. configuration files which may be loaded into a traffic flow meter so as to specify which traffic flows are measured by the meter, and the information it will store for each flow. This memo provides information for the Internet community.

2722 Brownlee Oct 1999 Traffic Flow Measurement:
Architecture

This document provides a general framework for describing network traffic flows, presents an architecture for traffic flow measurement and reporting, discusses how this relates to an overall network traffic flow architecture and indicates how it can be used within the Internet. This memo provides information for the Internet community.

2721 Brownlee Oct 1999 RTFM: Applicability Statement

This document provides an overview covering all aspects of Realtime Traffic Flow Measurement, including its area of applicability and its limitations. This memo provides information for the Internet community.

2720 Brownlee Oct 1999 Traffic Flow Measurement:
Meter MIB

This document defines a Management Information Base (MIB) for use in controlling an RTFM Traffic Meter, in particular for specifying the flows to be measured. It also provides an efficient mechanism for retrieving flow data from the meter using SNMP. Security issues concerning the operation of traffic meters are summarised. [STANDARDS TRACK]

2719 Ong Oct 1999 Framework Architecture for
Signaling Transport

This document defines an architecture framework and functional requirements for transport of signaling information over IP. This memo provides information for the Internet community.

2718 Masinter Nov 1999 Guidelines for new URL Schemes

This document provides guidelines for the definition of new URL schemes. This memo provides information for the Internet community.

2717 Petke Nov 1999 Registration Procedures for
URL Scheme Names

This document defines the process by which new URL scheme names are registered. This document specifies an Internet Best Current Practices for the Internet Community, and requests discussion and suggestions for improvements.

2716 Aboba Oct 1999 PPP EAP TLS Authentication
Protocol

The Point-to-Point Protocol (PPP) provides a standard method for transporting multi-protocol datagrams over point-to-point links. The Extensible Authentication Protocol (EAP) is a PPP extension that provides support for additional authentication methods within PPP. This memo defines an Experimental Protocol for the Internet community.

2715 Thaler Oct 1999 Interoperability Rules for
Multicast Routing Protocols

The rules described in this document will allow efficient interoperation among multiple independent multicast routing domains. This memo provides information for the Internet community.

2714 Ryan Oct 1999 Schema for Representing CORBA
Object References in an LDAP
Directory

This document defines the schema for representing CORBA object references in an LDAP directory. This memo provides information for the Internet community.

2708 Bergman Nov 1999 Job Submission Protocol
Mapping Recommendations
for the Job Monitoring MIB

This document defines the recommended mapping for many currently popular Job submission protocols to objects and attributes in the Job Monitoring MIB. This memo provides information for the Internet community.

2707 Bergman Nov 1999 Job Monitoring MIB - V1.0

This document provides a printer industry standard SNMP MIB for (1) monitoring the status and progress of print jobs (2) obtaining resource requirements before a job is processed, (3) monitoring resource consumption while a job is being processed and (4) collecting resource accounting data after the completion of a job. This memo provides information for the Internet community.

2706 Eastlake Oct 1999 ECML v1: Field Names for
E-Commerce

A standard set of information fields is defined as the first version of an Electronic Commerce Modeling Language (ECML) so that this task can be more easily automated, for example by wallet software that could fill in fields. This memo provides information for the Internet community.

2705 Arango Oct 1999 Media Gateway Control Protocol
(MGCP) Version 1.0

This document describes an application programming interface and a corresponding protocol (MGCP) for controlling Voice over IP (VoIP) Gateways from external call control elements. MGCP assumes a call control architecture where the call control "intelligence" is outside the gateways and handled by external call control elements. This memo provides information for the Internet community.

2704 Blaze Sep 1999 The KeyNote Trust-Management
System Version 2

This memo describes version 2 of the KeyNote trust-management system. It specifies the syntax and semantics of KeyNote 'assertions', describes 'action attribute' processing, and outlines the application architecture into which a KeyNote implementation can be fit. This memo provides information for the Internet community.

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Acknowledgement

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

