

## 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
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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.

2797 Myers Apr 2000 Certificate Management  
Messages over CMS

This document defines a Certificate Management protocol using CMS (CMC).  
[STANDARDS TRACK]

2796 Bates Apr 2000 BGP Route Reflection - An  
Alternative to Full Mesh IBGP

This document describes the use and design of a method known as "Route  
Reflection" to alleviate the the need for "full mesh" IBGP. [STANDARDS  
TRACK]

2795 Christey Mar 2000 The Infinite Monkey Protocol  
Suite (IMPS)

This memo describes a protocol suite which supports an infinite number  
of monkeys that sit at an infinite number of typewriters in order to  
determine when they have either produced the entire works of William  
Shakespeare or a good television show. This memo provides information  
for the Internet community.

2794 Calhoun Mar 2000 Mobile IP Network Access  
Identifier Extension for IPv4

Our proposal defines a way for the mobile node to identify itself, by  
including the NAI along with the Mobile IP Registration Request. This  
memo also updates RFC 2290 which specifies the Mobile-IPv4 Configuration  
option for IPCP, by allowing the Mobile Node's Home Address field of  
this option to be zero. [STANDARDS TRACK]

2793 Hellstrom May 2000 RTP Payload for Text  
Conversation

This memo describes how to carry text conversation session contents in  
RTP packets. Text conversation session contents are specified in ITU-T  
Recommendation T.140. [STANDARDS TRACK]

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]



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]



2763 Shen Feb 2000 Dynamic Hostname Exchange  
Mechanism for IS-IS

This document defines a new TLV which allows the IS-IS routers to flood their name to system ID mapping information across the IS-IS network. This memo provides information for the Internet community.

2762 Rosenberg Feb 2000 Sampling of the Group  
Membership in RTP

This document discusses mechanisms for sampling of this group membership table in order to reduce the memory requirements. This memo defines an Experimental Protocol for the Internet community.

2761 Dunn Feb 2000 Terminology for ATM  
Benchmarking

This memo discusses and defines terms associated with performance benchmarking tests and the results of these tests in the context of Asynchronous Transfer Mode (ATM) based switching devices. This memo provides information for the Internet community.

2760 Allman Feb 2000 Ongoing TCP Research Related  
to Satellites

This document outlines possible TCP enhancements that may allow TCP to better utilize the available bandwidth provided by networks containing satellite links. This memo provides information for the Internet community.

2759 Zorn Jan 2000 Microsoft PPP CHAP Extensions,  
Version 2

This document describes version two of Microsoft's PPP CHAP dialect (MS-CHAP-V2). MS-CHAP-V2 is similar to, but incompatible with, MS-CHAP version one (MS-CHAP-V1). 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]

2743 Linn Jan 2000 Generic Security Service  
Application Program Interface  
Version 2, Update 1

This memo obsoletes [RFC-2078], making specific, incremental changes in response to implementation experience and liaison requests. It is intended, therefore, that this memo or a successor version thereto will become the basis for subsequent progression of the GSS-API specification on the standards track. [STANDARDS TRACK]

2742 Heintz Jan 2000 Definitions of Managed Objects  
for Extensible SNMP Agents

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 managing SNMP agents that use the Agent Extensibility (AgentX) Protocol. [STANDARDS TRACK]

2741 Daniele Jan 2000 Agent Extensibility (AgentX)  
Protocol Version 1

This memo defines a standardized framework for extensible SNMP agents. [STANDARDS TRACK]

2740 Coltun Dec 1999 OSPF for IPv6

This document describes the modifications to OSPF to support version 6 of the Internet Protocol (IPv6). [STANDARDS TRACK]

2739 Small Jan 2000 Calendar Attributes for vCard  
and LDAP

This memo defines three mechanisms for obtaining a URI to a user's calendar and free/busy time. [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.

2713 Ryan Oct 1999 Schema for Representing  
Java(tm) Objects in an  
LDAP Directory

This document defines the schema for representing Java(tm) objects in an LDAP directory. This memo provides information for the Internet community.

2712 Medvinsky Oct 1999 Addition of Kerberos Cipher  
Suites to Transport Layer  
Security (TLS)

This document proposes the addition of new cipher suites to the TLS protocol to support Kerberos-based authentication. [STANDARDS TRACK]

2711 Partridge Oct 1999 IPv6 Router Alert Option

This memo describes a new IPv6 Hop-by-Hop Option type that alerts transit routers to more closely examine the contents of an IP datagram. [STANDARDS TRACK]

2710 Deering Oct 1999 Multicast Listener Discovery  
(MLD) for IPv6

This document specifies the protocol used by an IPv6 router to discover the presence of multicast listeners (that is, nodes wishing to receive multicast packets) on its directly attached links, and to discover specifically which multicast addresses are of interest to those neighboring nodes. [STANDARDS TRACK]

2709 Srisuresh Oct 1999 Security Model with  
Tunnel-mode IPsec for NAT  
Domains

This document describes a security model by which tunnel-mode IPsec security can be architected on NAT devices. 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.

2703 Klyne Sep 1999 Protocol-independent Content  
Negotiation Framework

This memo sets out terminology, an abstract framework and goals for protocol-independent content negotiation, and identifies some technical issues which may need to be addressed. This memo provides information for the Internet community.

2702 Awduche Sep 1999 Requirements for Traffic  
Engineering Over MPLS

This document presents a set of requirements for Traffic Engineering over Multiprotocol Label Switching (MPLS). It identifies the functional capabilities required to implement policies that facilitate efficient and reliable network operations in an MPLS domain. This memo provides information for the Internet community.

2701 Malkin Sep 1999 Nortel Networks Multi-link  
Multi-node PPP Bundle  
Discovery Protocol

This document specifies a standard way for Multi-link PPP to operate across multiple nodes. This memo provides information for the Internet community.

2700 Reynolds Aug 2000 Internet Official Protocol  
Standards

This memo describes the current state of standardization of protocols used in the Internet as determined by the Internet Engineering Task Force (IETF). [STANDARDS TRACK]

#### Security Considerations

Security issues are not discussed in this memo.

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