

## Request for Comments Summary

RFC Numbers 2900-2999

### Status of This Memo

This RFC is a slightly annotated list of the 100 RFCs from RFC 2900 through RFCs 2999. 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 -----
2999	Ginoza	Aug 2001	Request for Comments Summary

This memo.

2998	Bernet	Nov 2000	A Framework for Integrated Services Operation over Diffserv Networks
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This document describes a framework by which Integrated Services may be supported over Diffserv networks. This memo provides information for the Internet community.

2997	Bernet	Nov 2000	Specification of the Null Service Type
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The Null Service allows applications to identify themselves to network Quality of Service (QoS) policy agents, using RSVP signaling. However, it does not require them to specify resource requirements. QoS policy agents in the network respond by applying QoS policies appropriate for the application (as determined by the network administrator). This mode of RSVP usage is particularly applicable to networks that combine differentiated service (diffserv) QoS mechanisms with RSVP signaling. In this environment, QoS policy agents may direct the signaled application's traffic to a particular diffserv class of service. [STANDARDS TRACK]

2996	Bernet	Nov 2000	Format of the RSVP DCLASS Object
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This document specifies the format of the DCLASS object and briefly discusses its use. [STANDARDS TRACK]

2995	Lu	Nov 2000	Pre-SPIRITS Implementations of PSTN-initiated Services
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This document describes four existing implementations of SPIRITS-like services from Korea Telecom, Lucent Technologies, NEC, and Telia in cooperation with Nortel Networks. SPIRITS-like services are those originating in the Public Switched Telephone Network (PSTN) and necessitating the interactions of the Internet and PSTN. This memo provides information for the Internet community.

2994	Ohta	Nov 2000	A Description of the MISTY1 Encryption Algorithm
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This document describes a secret-key cryptosystem MISTY1, which is block cipher with a 128-bit key, a 64-bit block and a variable number of rounds. It documents the algorithm description including key scheduling part and data randomizing part. This memo provides information for the Internet community.

2993      Hain                      Nov 2000              Architectural Implications of  
   NAT

This document discusses some of the architectural implications and guidelines for implementations of Network Address Translation (NAT). This memo provides information for the Internet community.

2992      Hopps                      Nov 2000              Analysis of an Equal-Cost  
   Multi-Path Algorithm

Equal-cost multi-path (ECMP) is a routing technique for routing packets along multiple paths of equal cost. The forwarding engine identifies paths by next-hop. When forwarding a packet the router must decide which next-hop (path) to use. This document gives an analysis of one method for making that decision. The analysis includes the performance of the algorithm and the disruption caused by changes to the set of next-hops. This memo provides information for the Internet community.

2991      Thaler                      Nov 2000              Multipath Issues in Unicast  
   and Multicast Next-Hop  
   Selection

The effect of multipath routing on a forwarder is that the forwarder potentially has several next-hops for any given destination and must use some method to choose which next-hop should be used for a given data packet. This memo summarizes current practices, problems, and solutions. This memo provides information for the Internet community.

2990      Huston                      Nov 2000              Next Steps for the IP QoS  
   Architecture

This document highlights the outstanding architectural issues relating to the deployment and use of QoS mechanisms within internet networks, noting those areas where further standards work may assist with the deployment of QoS internets. This document is the outcome of a collaborative exercise on the part of the Internet Architecture Board. This memo provides information for the Internet community.

2989      Aboba                      Nov 2000              Criteria for Evaluating AAA  
   Protocols for Network Access

This document represents a summary of Authentication, Authorization, Accounting (AAA) protocol requirements for network access. This memo provides information for the Internet community.

2988 Paxson Nov 2000 Computing TCP's Retransmission Timer

This document defines the standard algorithm that Transmission Control Protocol (TCP) senders are required to use to compute and manage their retransmission timer. [STANDARDS TRACK]

2987 Hoffman Nov 2000 Registration of Charset and Languages Media Features Tags

This document contains the registration for two media feature tags: "charset" and "language". [STANDARDS TRACK]

2986 Nystrom Nov 2000 PKCS #10: Certification Request Syntax Specification Version 1.7

This memo represents a republication of PKCS #10 v1.7 from RSA Laboratories' Public-Key Cryptography Standards (PKCS) series, and change control is retained within the PKCS process. The body of this document, except for the security considerations section, is taken directly from the PKCS #9 v2.0 or the PKCS #10 v1.7 document. This memo provides information for the Internet community.

2985 Nystrom Nov 2000 PKCS #9: Selected Object Classes and Attribute Types Version 2.0

This memo represents a republication of PKCS #9 v2.0 from RSA Laboratories' Public-Key Cryptography Standards (PKCS) series, and change control is retained within the PKCS process. The body of this document, except for the security considerations section, is taken directly from that specification. This memo provides information for the Internet community.

2984 Adams Oct 2000 Use of the CAST-128 Encryption Algorithm in CMS

This document specifies how to incorporate CAST-128 into the S/MIME Cryptographic Message Syntax (CMS) as an additional algorithm for symmetric encryption. [STANDARDS TRACK]

2983	Black	Oct 2000	Differentiated Services and Tunnels
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This document considers the interaction of Differentiated Services (diffserv) with IP tunnels of various forms. This memo provides information for the Internet community.

2982	Kavasseri	Oct 2000	Distributed Management Expression MIB
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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 expressions of MIB objects. [STANDARDS TRACK]

2981	Kavasseri	Oct 2000	Event MIB
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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 that can be used to manage and monitor MIB objects and take action through events. [STANDARDS TRACK]

2980	Barber	Oct 2000	Common NNTP Extensions
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In this document, a number of popular extensions to the Network News Transfer Protocol (NNTP) protocol defined in RFC 977 are documented and discussed. While this document is not intended to serve as a standard of any kind, it will hopefully serve as a reference document for future implementers of the NNTP protocol. This memo provides information for the Internet community.

2979	Freed	Oct 2000	Behavior of and Requirements for Internet Firewalls
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This memo defines behavioral characteristics of and interoperability requirements for Internet firewalls. This memo provides information for the Internet community.

2978      Freed                      Oct 2000              IANA Charset Registration  
   Procedures

Multipurpose Internet Mail Extensions (MIME) and various other Internet protocols are capable of using many different charsets. This in turn means that the ability to label different charsets is essential. This document specifies an Internet Best Current Practices for the Internet Community, and requests discussion and suggestions for improvements.

2977      Glass                      Oct 2000              Mobile IP Authentication,  
   Authorization, and Accounting  
   Requirements

This document contains the requirements which would have to be supported by a AAA service to aid in providing Mobile IP services. This memo provides information for the Internet community.

2976      Donovan                      Oct 2000              The SIP INFO Method

This document proposes an extension to the Session Initiation Protocol (SIP). This extension adds the INFO method to the SIP protocol. The intent of the INFO method is to allow for the carrying of session related control information that is generated during a session.  
[STANDARDS TRACK]

2975      Aboba                      Oct 2000              Introduction to Accounting  
   Management

This document describes and discusses the issues involved in the design of the modern accounting systems. The field of Accounting Management is concerned with the collection the collection of resource consumption data for the purposes of capacity and trend analysis, cost allocation, auditing, and billing. This memo provides information for the Internet community.

2974      Handley                      Oct 2000              Session Announcement Protocol

This document describes version 2 of the multicast session directory announcement protocol, Session Announcement Protocol (SAP), and the related issues affecting security and scalability that should be taken into account by implementors. This memo defines an Experimental Protocol for the Internet community.

2973      Balay                      Oct 2000              IS-IS Mesh Groups

This document describes a mechanism to reduce redundant packet transmissions for the Intermediate System to Intermediate System (IS-IS) Routing protocol, as described in ISO 10589. This memo provides information for the Internet community.

2972      Popp                        Oct 2000              Context and Goals for Common  
Name Resolution

This document establishes the context and goals for a Common Name Resolution Protocol. This memo provides information for the Internet community.

2971      Showalter                    Oct 2000              IMAP4 ID extension

This document describes an ID extension which will enable Internet Message Access Protocol - Version 4rev1 (IMAP4rev1) to advertise what program a client or server uses to provide service. The ID extension allows the server and client to exchange identification information on their implementation in order to make bug reports and usage statistics more complete.    [STANDARDS TRACK]

2970      Daigle                        Oct 2000              Architecture for Integrated  
Directory Services - Result  
from TISDAG

Drawing from experiences with the TISDAG (Technical Infrastructure for Swedish Directory Access Gateways) project, this document outlines an approach to providing the necessary infrastructure for integrating such widely-scattered servers into a single service, rather than attempting to mandate a single protocol and schema set for all participating servers to use. This memo provides information for the Internet community.

2969      Eklof                      Oct 2000                      Wide Area Directory Deployment  
   - Experiences from TISDAG

This document catalogues some of the experiences gained in developing the necessary infrastructure for a national (i.e., multi-organizational) directory service and pilot deployment of the service in an environment with off-the-shelf directory service products. This memo provides information for the Internet community.

2968      Daigle                      Oct 2000                      Mesh of Multiple DAG servers -  
   Results from TISDAG

This document defines the basic principle for establishing a mesh, that interoperating services should exchange index objects, according to the architecture of the mesh (e.g., hierarchical, or graph-like, preferably without loops!). The Common Indexing Protocol (CIP) is designed to facilitate the creation not only of query referral indexes, but also of meshes of (loosely) affiliated referral indexes. The purpose of such a mesh of servers is to implement some kind of distributed sharing of indexing and/or searching tasks across different servers. So far, the TISDAG (Technical Infrastructure for Swedish Directory Access Gateways) project has focused on creating a single referral index; the obvious next step is to integrate that into a larger set of interoperating services. This memo provides information for the Internet community.

2967      Daigle                      Oct 2000                      TISDAG - Technical  
   Infrastructure for Swedish  
   Directory Access Gateways

The overarching goal of this project is to develop the necessary technical infrastructure to provide a single-access-point service for searching for whitepages information on Swedish Internet users. This memo provides information for the Internet community.

2966      Li                              Oct 2000                      Domain-wide Prefix  
   Distribution with Two-Level  
   IS-IS

This document describes extensions to the Intermediate System to Intermediate System (IS-IS) protocol to support optimal routing within a two-level domain. This memo provides information for the Internet community.



2965	Kristol	Oct 2000	HTTP State Management Mechanism
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This document specifies a way to create a stateful session with Hypertext Transfer Protocol (HTTP) requests and responses. [STANDARDS TRACK]

2964	Moore	Oct 2000	Use of HTTP State Management
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This memo identifies specific uses of Hypertext Transfer Protocol (HTTP) State Management protocol which are either (a) not recommended by the IETF, or (b) believed to be harmful, and discouraged. This memo also details additional privacy considerations which are not covered by the HTTP State Management protocol specification. This document specifies an Internet Best Current Practices for the Internet Community, and requests discussion and suggestions for improvements.

2963	Bonaventure	Oct 2000	A Rate Adaptive Shaper for Differentiated Services
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This memo describes several Rate Adaptive Shapers (RAS) that can be used in combination with the single rate Three Color Markers (srTCM) and the two rate Three Color Marker (trTCM) described in RFC2697 and RFC2698, respectively. This memo provides information for the Internet community.

2962	Raz	Oct 2000	An SNMP Application Level Gateway for Payload Address Translation
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This document describes the ALG (Application Level Gateway) for the SNMP (Simple Network Management Protocol) by which IP (Internet Protocol) addresses in the payload of SNMP packets are statically mapped from one group to another. This memo provides information for the Internet community.

2961      Berger                      Apr 2001                      RSVP Refresh Overhead  
Reduction Extensions

This document describes a number of mechanisms that can be used to reduce processing overhead requirements of refresh messages, eliminate the state synchronization latency incurred when an RSVP (Resource ReserVation Protocol) message is lost and, when desired, refreshing state without the transmission of whole refresh messages. [STANDARDS TRACK]

2960      Stewart                      Oct 2000                      Stream Control Transmission  
Protocol

This document describes the Stream Control Transmission Protocol (SCTP). [STANDARDS TRACK]

2959      Baugher                      Oct 2000                      Real-Time Transport Protocol  
Management Information Base

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

2958      Daigle                      Oct 2000                      The application/whoispp-  
response Content-type

The intention of this document, in conjunction with RFC 2957, is to enable MIME-enabled mail software, and other systems using Internet media types, to carry out Whois++ transactions. This memo provides information for the Internet community.

2957      Daigle                      Oct 2000                      The application/whoispp-query  
Content-Type

The intention of this document, in conjunction with RFC 2958, is to enable MIME-enabled mail software, and other systems using Internet media types, to carry out Whois++ transactions. This memo provides information for the Internet community.

2956	Kaat	Oct 2000	Overview of 1999 IAB Network Layer Workshop
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This document is an overview of a workshop held by the Internet Architecture Board (IAB) on the Internet Network Layer architecture hosted by SURFnet in Utrecht, the Netherlands on 7-9 July 1999. The goal of the workshop was to understand the state of the network layer and its impact on continued growth and usage of the Internet. This memo provides information for the Internet community.

2955	Rehbehn	Oct 2000	Definitions of Managed Objects for Monitoring and Controlling the Frame Relay/ATM PVC Service Interworking Function
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This memo defines a Management Information Base (MIB) to configure, monitor, and control a service interworking function (IWF) for Permanent Virtual Connections (PVC) between Frame Relay and Asynchronous Transfer Mode (ATM) technologies. [STANDARDS TRACK]

2954	Rehbehn	Oct 2000	Definitions of Managed Objects for Frame Relay Service
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This memo defines an extension to the Management Information Base (MIB) for use with network management protocols in Transmission Control Protocol/Internet Protocol-based (TCP/IP) internets. In particular, it defines objects for managing the frame relay service. [STANDARDS TRACK]

2953	Ts'o	Sep 2000	Telnet Encryption: DES 64 bit Output Feedback
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This document specifies how to use the data encryption standard (DES) encryption algorithm in output feedback mode with the telnet encryption option. This memo provides information for the Internet community.

2952	Ts'o	Sep 2000	Telnet Encryption: DES 64 bit Cipher Feedback
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This document specifies how to use the DES encryption algorithm in cipher feedback mode with the telnet encryption option. This memo provides information for the Internet community.

2951      Housley                  Sep 2000                  TELNET Authentication Using  
KEA and SKIPJACK

This document defines a method to authenticate TELNET using the Key Exchange Algorithm (KEA), and encryption of the TELNET stream using SKIPJACK. This memo provides information for the Internet community.

2950      Altman                   Sep 2000                  Telnet Encryption: CAST-128 64  
bit Cipher Feedback

This document specifies how to use the CAST-128 encryption algorithm in cipher feedback mode with the telnet encryption option. Two key sizes are defined: 40 bit and 128 bit. [STANDARDS TRACK]

2949      Altman                   Sep 2000                  Telnet Encryption: CAST-128 64  
bit Output Feedback

This document specifies how to use the CAST-128 encryption algorithm in output feedback mode with the telnet encryption option. Two key sizes are defined: 40 bit and 128 bit. [STANDARDS TRACK]

2948      Altman                   Sep 2000                  Telnet Encryption: DES3 64 bit  
Output Feedback

This document specifies how to use the Triple-DES (data encryption standard) encryption algorithm in output feedback mode with the telnet encryption option. [STANDARDS TRACK]

2947      Altman                   Sep 2000                  Telnet Encryption: DES3 64 bit  
Cipher Feedback

This document specifies how to use the Triple-DES (data encryption standard) encryption algorithm in cipher feedback mode with the telnet encryption option. [STANDARDS TRACK]

2946      Ts'o                        Sep 2000                  Telnet Data Encryption Option

This document describes a the telnet encryption option as a generic method of providing data confidentiality services for the telnet data stream. [STANDARDS TRACK]

2945      Wu                      Sep 2000              The SRP Authentication and Key  
Exchange System

This document describes a cryptographically strong network authentication mechanism known as the Secure Remote Password (SRP) protocol. [STANDARDS TRACK]

2944      Wu                      Sep 2000              Telnet Authentication: SRP

This document specifies an authentication scheme for the Telnet protocol under the framework described in RFC 2941, using the Secure Remote Password Protocol (SRP) authentication mechanism. [STANDARDS TRACK]

2943      Housley                  Sep 2000              TELNET Authentication Using  
DSA

This document defines a telnet authentication mechanism using the Digital Signature Algorithm (DSA). It relies on the Telnet Authentication Option. [STANDARDS TRACK]

2942      Ts'o                      Sep 2000              Telnet Authentication:  
Kerberos Version 5

This document describes how Kerberos Version 5 is used with the telnet protocol. It describes an telnet authentication suboption to be used with the telnet authentication option. [STANDARDS TRACK]

2941      Ts'o                      Sep 2000              Telnet Authentication Option

This document describes the authentication option to the telnet protocol as a generic method for negotiating an authentication type and mode including whether encryption should be used and if credentials should be forwarded. [STANDARDS TRACK]

2940      Smith                      Oct 2000              Definitions of Managed Objects  
for Common Open Policy Service  
(COPS) Protocol Clients

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 a client of the Common Open Policy Service (COPS) protocol. [STANDARDS TRACK]

2939	Droms	Sep 2000	Procedures and IANA Guidelines for Definition of New DHCP Options and Message Types
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This document describes the procedure for defining new DHCP options and message types. This document specifies an Internet Best Current Practices for the Internet Community, and requests discussion and suggestions for improvements.

2938	Klyne	Sep 2000	Identifying Composite Media Features
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This document describes an abbreviated format for a composite media feature set, based upon a hash of the feature expression describing that composite. [STANDARDS TRACK]

2937	Smith	Sep 2000	The Name Service Search Option for DHCP
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This document defines a new Dynamic Host Configuration Protocol (DHCP) option which is passed from the DHCP Server to the DHCP Client to specify the order in which name services should be consulted when resolving hostnames and other information. [STANDARDS TRACK]

2936	Eastlake	Sep 2000	HTTP MIME Type Handler Detection
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Entities composing web pages to provide services over the Hypertext Transfer Protocol (HTTP) frequently have the problem of not knowing what Multipurpose Internet Mail Extensions (MIME) types have handlers installed at a user's browser. This document summarizes reasonable techniques to solve this problem for most of the browsers actually deployed on the Internet as of early 2000. This memo provides information for the Internet community.

2935	Eastlake	Sep 2000	Internet Open Trading Protocol (IOTP) HTTP Supplement
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The goal of mapping to the transport layer is to ensure that the underlying XML documents are carried successfully between the various parties. This document describes that mapping for the Hyper Text Transport Protocol (HTTP), Versions 1.0 and 1.1. [STANDARDS TRACK]

2934      McCloghrie      Oct 2000      Protocol Independent Multicast  
MIB for IPv4

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 the Protocol Independent Multicast (PIM) protocol for IPv4. This memo defines an Experimental Protocol for the Internet community.

2933      McCloghrie      Oct 2000      Internet Group Management  
Protocol MIB

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 the Internet Group Management Protocol (IGMP). [STANDARDS TRACK]

2932      McCloghrie      Oct 2000      IPv4 Multicast Routing MIB

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 IP Multicast Routing for IPv4, independent of the specific multicast routing protocol in use. [STANDARDS TRACK]

2931      Eastlake      Sep 2000      DNS Request and Transaction  
Signatures ( SIG(0)s )

This document describes the minor but non-interoperable changes in Request and Transaction signature resource records ( SIG(0)s ) that implementation experience has deemed necessary. [STANDARDS TRACK]

2930      Eastlake      Sep 2000      Secret Key Establishment for  
DNS (TKEY RR)

This document describes a Transaction Key (TKEY) RR that can be used in a number of different modes to establish shared secret keys between a DNS resolver and server. [STANDARDS TRACK]

2929      Eastlake              Sep 2000              Domain Name System (DNS) IANA  
   Considerations

This document discusses the Internet Assigned Number Authority (IANA) parameter assignment considerations given for the allocation of Domain Name System (DNS) classes, Resource Record (RR) types, operation codes, error codes, etc. This document specifies an Internet Best Current Practices for the Internet Community, and requests discussion and suggestions for improvements.

2928      Hinden                Sep 2000              Initial IPv6 Sub-TLA ID  
   Assignments

This document defines initial assignments of IPv6 Sub-Top-Level Aggregation Identifiers (Sub-TLA ID) to the Address Registries. This memo provides information for the Internet community.

2927      Wahl                    Sep 2000              MIME Directory Profile for  
   LDAP Schema

This document defines a multipurpose internet mail extensions (MIME) directory profile for holding a lightweight directory access protocol (LDAP) schema. This memo provides information for the Internet community.

2926      Kempf                    Sep 2000              Conversion of LDAP Schemas to  
   and from SLP Templates

This document describes a procedure for mapping between Service Location Protocol (SLP) service advertisements and lightweight directory access protocol (LDAP) descriptions of services. This memo provides information for the Internet community.

2925      White                    Sep 2000              Definitions of Managed Objects  
   for Remote Ping, Traceroute,  
   and Lookup Operations

This memo defines Management Information Bases (MIBs) for performing remote ping, traceroute and lookup operations at a remote host.  
[STANDARDS TRACK]



2924      Brownlee              Sep 2000              Accounting Attributes and  
Record Formats

This document summarises Internet Engineering Task Force (IETF) and International Telecommunication Union (ITU-T) documents related to Accounting. This memo provides information for the Internet community.

2923      Lahey                  Sep 2000              TCP Problems with Path MTU  
Discovery

This memo catalogs several known Transmission Control Protocol (TCP) implementation problems dealing with Path Maximum Transmission Unit Discovery (PMTUD), including the long-standing black hole problem, stretch acknowledgements (ACKs) due to confusion between Maximum Segment Size (MSS) and segment size, and MSS advertisement based on PMTU. This memo provides information for the Internet community.

2922      Bierman                  Sep 2000              Physical Topology MIB

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 physical topology identification and discovery. This memo provides information for the Internet community.

2921      Fink                        Sep 2000              6BONE pTLA and pNLA Formats  
(pTLA)

This memo defines how the 6bone uses the 3FFE::/16 IPv6 address prefix, allocated in RFC 2471, "IPv6 Testing Address Allocation", to create pseudo Top-Level Aggregation Identifiers (pTLA's) and pseudo Next-Level Aggregation Identifiers (pNLA's). This memo provides information for the Internet community.

2920      Freed                        Sep 2000              SMTP Service Extension for  
Command Pipelining

This memo defines an extension to the Simple Mail Transfer Protocol (SMTP) service whereby a server can indicate the extent of its ability to accept multiple commands in a single Transmission Control Protocol (TCP) send operation. [STANDARDS TRACK]

2919      Chandhok              Mar 2001              List-Id: A Structured Field  
   and Namespace for the  
   Identification of Mailing  
   Lists

Software that handles electronic mailing list messages (servers and user agents) needs a way to reliably identify messages that belong to a particular mailing list. With the advent of list management headers, it has become even more important to provide a unique identifier for a mailing list regardless of the particular host that serves as the list processor at any given time. [STANDARDS TRACK]

2918      Chen                      Sep 2000              Route Refresh Capability for  
   BGP-4

This document defines a new Border Gateway Protocol (BGP) capability termed 'Route Refresh Capability', which would allow the dynamic exchange of route refresh request between BGP speakers and subsequent re-advertisement of the respective Adj-RIB-Out. [STANDARDS TRACK]

2917      Muthukrishnan      Sep 2000              A Core MPLS IP VPN  
   Architecture

This memo presents an approach for building core Virtual Private Network (VPN) services in a service provider's MPLS backbone. This memo provides information for the Internet community.

2916      Faltstrom              Sep 2000              E.164 number and DNS

This document discusses the use of the Domain Name System (DNS) for storage of E.164 numbers. [Standards Track]

2915      Mealling              Sep 2000              The Naming Authority Pointer  
   (NAPTR) DNS Resource Record

This document describes a Domain Name System (DNS) resource record which specifies a regular expression based rewrite rule that, when applied to an existing string, will produce a new domain label or Uniform Resource Identifier (URI). [STANDARDS TRACK]

2914      Floyd                      Sep 2000                      Congestion Control Principles

The goal of this document is to explain the need for congestion control in the Internet, and to discuss what constitutes correct congestion control. This document specifies an Internet Best Current Practices for the Internet Community, and requests discussion and suggestions for improvements.

2913      Klyne                      Sep 2000                      MIME Content Types in Media  
Feature Expressions

This memo defines a media feature tag whose value is a Multipurpose Internet Mail Extensions (MIME) content type. [STANDARDS TRACK]

2912      Klyne                      Sep 2000                      Indicating Media Features for  
MIME Content

This memo defines a Multipurpose Internet Mail Extensions (MIME) 'Content-features:' header that can be used to annotate a MIME message part using this expression format, and indicates some ways it might be used. [STANDARDS TRACK]

2911      Hastings                      Sep 2000                      Internet Printing  
Protocol/1.1: Model and  
Semantics

This document is one of a set of documents, which together describe all aspects of a new Internet Printing Protocol (IPP). [STANDARDS TRACK]

2910      Herriot                      Sep 2000                      Internet Printing  
Protocol/1.1: Encoding and  
Transport

This document is one of a set of documents, which together describe all aspects of a new Internet Printing Protocol (IPP). [STANDARDS TRACK]

2909      Radoslavov      Sep 2000      The Multicast Address-Set  
Claim (MASC) Protocol

This document describes the Multicast Address-Set Claim (MASC) protocol which can be used for inter-domain multicast address set allocation. This memo defines an Experimental Protocol for the Internet community.

2908      Thaler      Sep 2000      The Internet Multicast Address  
Allocation Architecture

This document proposes a multicast address allocation architecture (MALLOC) for the Internet. This memo provides information for the Internet community.

2907      Kermode      Sep 2000      MADCAP Multicast Scope Nesting  
State Option

This document defines a new option to the Multicast Address Dynamic Client Allocation Protocol (MADCAP) to support nested scoping.  
[STANDARDS TRACK]

2906      Farrell      Aug 2000      AAA Authorization Requirements

This document specifies the requirements that Authentication Authorization Accounting (AAA) protocols must meet in order to support authorization services in the Internet. This memo provides information for the Internet community.

2905      Vollbrecht      Aug 2000      AAA Authorization Application  
Examples

This memo describes several examples of applications requiring authorization. This memo provides information for the Internet community.

2904      Vollbrecht      Aug 2000      AAA Authorization Framework

This memo serves as the base requirements for Authorization of Internet Resources and Services (AIRS). It presents an architectural framework for understanding the authorization of Internet resources and services and derives requirements for authorization protocols. This memo provides information for the Internet community.

2903      de Laat              Aug 2000              Generic AAA Architecture

This memo proposes an Authentication, Authorization, Accounting (AAA) architecture that would incorporate a generic AAA server along with an application interface to a set of Application Specific Modules that could perform application specific AAA functions. This memo defines an Experimental Protocol for the Internet community.

2902      Deering              Aug 2000              Overview of the 1998 IAB  
Routing Workshop

This document is an overview of a Routing workshop held by the Internet Architecture Board (IAB) during March 25-27, 1998. This memo provides information for the Internet community.

2901      Wenzel              Aug 2000              Guide to Administrative  
Procedures of the Internet  
Infrastructure

This document describes the administrative procedures for networks seeking to connect to the global Internet. This memo provides information for the Internet community.

2900      Reynolds              Aug 2001              Internet Official Protocol  
Standards

This memo contains a snapshot of the state of standardization of protocols used in the Internet as of July 17, 2001. It lists official protocol standards and Best Current Practice RFCs; it is not a complete index to the RFC series. This memo is an Internet Standard.

#### Security Considerations

This memo does not affect the technical security of the Internet, but may cite important security specifications.

## Author's Address

Sandy Ginoza  
University of Southern California  
Information Sciences Institute  
4676 Admiralty Way  
Marina del Rey, CA 90292

Phone: (310) 822-1511

EMail: ginoza@isi.edu

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