

## 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

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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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<a href="#">2599</a>	Delacruz	Mar 2000	Request for Comments Summary

This memo.

<a href="#">2598</a>	Jacobson	Jun 1999	An Expedited Forwarding PHB
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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.

2592      Levi                      May 1999              Definitions of Managed Objects  
   for the Delegation of  
   Management Scripts

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 managed objects that allow the delegation of management scripts to distributed managers.  
[STANDARDS-TRACK]

2591      Levi                      May 1999              Definitions of Managed Objects  
   for Scheduling Management  
   Operations

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

2590      Conta                      May 1999              Transmission of IPv6 Packets  
   over Frame Relay Networks  
   Specification

This memo describes mechanisms for the transmission of IPv6 packets over Frame Relay networks. [STANDARDS-TRACK]

2589      Yaacovi                      May 1999              Lightweight Directory Access  
   Protocol (v3): Extensions for  
   Dynamic Directory Services

This document defines the requirements for dynamic directory services and specifies the format of request and response extended operations for supporting client-server interoperation in a dynamic directories environment. [STANDARDS-TRACK]

2588      Finlayson                      May 1999              IP Multicast and Firewalls

In this document, we discuss the issues surrounding the traversal of IP multicast traffic across a firewall, and describe possible ways in which a firewall can implement and control this traversal. We also explain why some firewall mechanisms - such as SOCKS - that were designed specifically for unicast traffic, are less appropriate for multicast. This memo provides information for the Internet community.

2587      Boeyen                  Jun 1999                  Internet X.509 Public Key  
   Infrastructure LDAPv2 Schema

The schema defined in this document is a minimal schema to support PKIX in an LDAPv2 environment, as defined in [RFC 2559](#). Only PKIX-specific components are specified here. [STANDARDS-TRACK]

2586      Salsman                  May 1999                  The Audio/L16 MIME content type

This document defines the audio/L16 MIME type, a reasonable quality audio format for use in Internet applications. This memo provides information for the Internet community.

2585      Housley                  May 1999                  Internet X.509 Public Key  
   Infrastructure Operational  
   The protocol conventions  
   Protocols: FTP and HTTP

The protocol conventions described in this document satisfy some of the operational requirements of the Internet Public Key Infrastructure (PKI). This document specifies the conventions for using the File Transfer Protocol (FTP) and the Hypertext Transfer Protocol (HTTP) to obtain certificates and certificate revocation lists (CRLs) from PKI repositories. [STANDARDS-TRACK]

2584      Clouston                  May 1999                  Definitions of Managed Objects  
   for APPN/HPR in IP 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 defines objects for monitoring and controlling HPR (High Performance Routing) network devices which have the capability to communicate in IP (Internet Protocol) networks. [STANDARDS-TRACK]

2583      Carlson                  May 1999                  Guidelines for Next Hop Client  
   (NHC) Developers

This document provides guidelines for developers of the Next Hop Resolution Protocol Clients (NHC). The intent is to define the interaction between the NHC code and the TCP/IP protocol stack of the local host operating system. This memo provides information 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]

2572      Case                      May 1999                      Message Processing and  
   Dispatching for the Simple  
   Network Management Protocol  
   (SNMP)

This document describes the Message Processing and Dispatching for SNMP messages within the SNMP architecture. It defines the procedures for dispatching potentially multiple versions of SNMP messages to the proper SNMP Message Processing Models, and for dispatching PDUs to SNMP applications. This document also describes one Message Processing Model - the SNMPv3 Message Processing Model.  
[STANDARDS-TRACK]

2571      Harrington                May 1999                      An Architecture for Describing  
   SNMP Management Frameworks

This document describes an architecture for describing SNMP Management Frameworks. [STANDARDS-TRACK]

2570      Case                        Apr 1999                      Introduction to Version 3  
   of the Internet-standard  
   Network Management Framework

The purpose of this document is to provide an overview of the third version of the Internet-standard Management Framework, termed the SNMP version 3 Framework (SNMPv3). This memo provides information for the Internet community.

2569      Herriot                      Apr 1999                      Mapping between LPD and IPP  
   Protocols

This document is one of a set of documents, which together describe all aspects of a new Internet Printing Protocol (IPP). One of the purposes of this document is to compare the functionality of the two protocols. Another purpose is to facilitate implementation of gateways between LPD and IPP. This memo defines an Experimental Protocol for the Internet community.

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 MEanagement

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.

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