

## Request for Comments Summary

RFC Numbers 2800-2899

### Status of This Memo

This RFC is a slightly annotated list of the 100 RFCs from RFC 2800 through RFCs 2899. 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<br>--- | Author<br>----- | Date<br>---- | Title<br>-----               |
|------------|-----------------|--------------|------------------------------|
| 2899       | Ginoza          | May 2001     | Request for Comments Summary |

This memo.

|      |         |          |  |
|------|---------|----------|--|
| 2898 | Kaliski | Sep 2000 | PKCS #5: Password-Based<br>Cryptography Specification<br>Version 2.0 |
|------|---------|----------|--|

This document provides recommendations for the implementation of password-based cryptography, covering key derivation functions, encryption schemes, message-authentication schemes, and ASN.1 syntax identifying the techniques. This memo provides information for the Internet community.

2897      Cromwell              Aug 2000              Proposal for an MGCP Advanced  
Audio Package

This document is a proposal to add a new event/signal package to the MGCP (Media Gateway Control Protocol) protocol to control an ARF (Audio Resource Function) which may reside on a Media Gateway or specialized Audio Server. This memo provides information for the Internet community.

2896      Bierman              Aug 2000              Remote Network Monitoring MIB  
Protocol Identifier Macros

This memo contains various protocol identifier examples, which can be used to produce valid protocolDirTable INDEX encodings, as defined by the Remote Network Monitoring MIB and the RMON Protocol Identifier Reference. This memo provides information for the Internet community.

2895      Bierman              Aug 2000              Remote Network Monitoring MIB  
Protocol Identifier Reference

This memo defines a notation describing protocol layers in a protocol encapsulation, specifically for use in encoding INDEX values for the protocolDirTable, found in the RMON-2 MIB. [STANDARDS TRACK]

2894      Crawford              Aug 2000              Router Renumbering for IPv6

This document defines a mechanism called Router Renumbering ("RR") which allows address prefixes on routers to be configured and reconfigured almost as easily as the combination of Neighbor Discovery and Address Autoconfiguration works for hosts. [STANDARDS TRACK]

2893      Gilligan              Aug 2000              Transition Mechanisms for IPv6  
Hosts and Routers

This document specifies IPv4 compatibility mechanisms that can be implemented by IPv6 hosts and routers. [STANDARDS TRACK]

|      |        |          |                                  |
|------|--------|----------|----------------------------------|
| 2892 | Tsiang | Aug 2000 | The Cisco SRP MAC Layer Protocol |
|------|--------|----------|----------------------------------|

This document specifies the MAC layer protocol, "Spatial Reuse Protocol" (SRP) for use with ring based media. This is a second version of the protocol (V2). This memo provides information for the Internet community.

|      |       |          |  |
|------|-------|----------|--|
| 2891 | Howes | Aug 2000 | LDAP Control Extension for<br>Server Side Sorting of Search<br>Results |
|------|-------|----------|--|

This document describes two LDAPv3 control extensions for server side sorting of search results. These controls allows a client to specify the attribute types and matching rules a server should use when returning the results to an LDAP search request. [STANDARDS TRACK]

|      |         |          |  |
|------|---------|----------|--|
| 2890 | Dommety | Sep 2000 | Key and Sequence Number<br>Extensions to GRE |
|------|---------|----------|--|

This document describes extensions by which two fields, Key and Sequence Number, can be optionally carried in the GRE Header. [STANDARDS TRACK]

|      |            |          |  |
|------|------------|----------|--|
| 2889 | Mandeville | Aug 2000 | Benchmarking Methodology for LAN Switching Devices |
|------|------------|----------|--|

This document is intended to provide methodology for the benchmarking of local area network (LAN) switching devices. This memo provides information for the Internet community.

|      |           |          |                                |
|------|-----------|----------|--------------------------------|
| 2888 | Srisuresh | Aug 2000 | Secure Remote Access with L2TP |
|------|-----------|----------|--------------------------------|

The objective of this document is to extend security characteristics of IPsec to remote access users, as they dial-in through the Internet. This memo provides information for the Internet community.

|      |         |          |  |
|------|---------|----------|--|
| 2887 | Handley | Aug 2000 | The Reliable Multicast Design Space for Bulk Data Transfer |
|------|---------|----------|--|

This document provides an overview of the design space and the ways in which application constraints affect possible solutions. This memo provides information for the Internet community.

2886      Taylor                      Sep 2000                      Megaco Errata

This document records the errors found in the Megaco/H.248 protocol document, along with the changes proposed in the text of that document to resolve them. [STANDARDS TRACK]

2885      Cuervo                      Sep 2000                      Megaco Protocol version 0.8

This document is common text with Recommendation H.248 as redetermined in Geneva, February 2000. It must be read in conjunction with the Megaco Errata, RFC 2886. [STANDARDS TRACK]

2884      Hadi Salim                      Jul 2000                      Performance Evaluation of  
Explicit Congestion  
Notification (ECN) in IP  
Networks

This memo presents a performance study of the Explicit Congestion Notification (ECN) mechanism in the TCP/IP protocol using our implementation on the Linux Operating System. This memo provides information for the Internet community.

2883      Floyd                      Jul 2000                      An Extension to the Selective  
Acknowledgement (SACK) Option  
for TCP

This note defines an extension of the Selective Acknowledgement (SACK) Option for TCP. [STANDARDS TRACK]

2882      Mitton                      Jul 2000                      Network Access Servers  
Requirements: Extended RADIUS  
Practices

This document describes current practices implemented in NAS products that go beyond the scope of the RADIUS (Remote Authentication Dial In User Service) RFCs 2138, 2139. This memo provides information for the Internet community.

2881      Mitton                      Jul 2000                      Network Access Server  
Requirements Next Generation  
(NASREQNG) NAS Model

This document describes the terminology and gives a model of typical Network Access Server (NAS). This memo provides information for the Internet community.

2880      McIntyre                    Aug 2000                    Internet Fax T.30 Feature  
Mapping

This document describes how to map Group 3 fax capability identification bits, described in ITU T.30, into the Internet fax feature schema described in "Content feature schema for Internet fax". This memo provides information for the Internet community.

2879      Klyne                          Aug 2000                    Content Feature Schema for  
Internet Fax (V2)

This document defines a content media feature schema for Internet fax.  
[STANDARDS TRACK]

2878      Higashiyama                   Jul 2000                    PPP Bridging Control Protocol  
(BCP)

This document defines the Network Control Protocol for establishing and configuring Remote Bridging for PPP links. [STANDARDS TRACK]

2877      Murphy, Jr.                      Jul 2000                    5250 Telnet Enhancements

This memo describes the interface to the IBM 5250 Telnet server that allows client Telnet to request a Telnet terminal or printer session using a specific device name. This memo provides information for the Internet community.

2876      Pawling                          Jul 2000                    Use of the KEA and SKIPJACK  
Algorithms in CMS

This document describes the conventions for using the Key Exchange Algorithm (KEA) and SKIPJACK encryption algorithm in conjunction with the Cryptographic Message Syntax [CMS] enveloped-data and encrypted-data content types. This memo provides information for the Internet community.

|      |                |          |  |
|------|----------------|----------|--|
| 2875 | Prafullchandra | Jul 2000 | Diffie-Hellman<br>Proof-of-Possession Algorithms |
|------|----------------|----------|--|

This document describes two methods for producing an integrity check value from a Diffie-Hellman key pair. [STANDARDS TRACK]

|      |          |          |  |
|------|----------|----------|--|
| 2874 | Crawford | Jul 2000 | DNS Extensions to Support IPv6<br>Address Aggregation and<br>Renumbering |
|------|----------|----------|--|

This document defines changes to the Domain Name System to support renumberable and aggregatable IPv6 addressing. [STANDARDS TRACK]

|      |      |          |   |
|------|------|----------|---|
| 2873 | Xiao | Jun 2000 | TCP Processing of the IPv4 Precedence Field |
|------|------|----------|---|

This memo describes a conflict between TCP and DiffServ on the use of the three leftmost bits in the TOS octet of an IPv4 header. [STANDARDS TRACK]

|      |        |          |   |
|------|--------|----------|---|
| 2872 | Bernet | Jun 2000 | Application and Sub<br>Application Identity Policy<br>Element for Use with RSVP |
|------|--------|----------|---|

RSVP signaling messages typically include policy data objects, which in turn contain policy elements. Policy elements may describe user and/or application information, which may be used by RSVP aware network elements to apply appropriate policy decisions to a traffic flow. This memo details the usage of policy elements that provide application information. [STANDARDS TRACK]

|      |           |          |  |
|------|-----------|----------|--|
| 2871 | Rosenberg | Jun 2000 | A Framework for Telephony<br>Routing over IP |
|------|-----------|----------|--|

This document serves as a framework for Telephony Routing over IP (TRIP), which supports the discovery and exchange of IP telephony gateway routing tables between providers. This memo provides information for the Internet community.

2870      Bush                      Jun 2000              Root Name Server Operational  
   Requirements

The primary focus of this document is to provide guidelines for operation of the root name servers. This document specifies an Internet Best Current Practices for the Internet Community, and requests discussion and suggestions for improvements.

2869      Rigney                      Jun 2000              RADIUS Extensions

This document describes additional attributes for carrying authentication, authorization and accounting information between a Network Access Server (NAS) and a shared Accounting Server using the Remote Authentication Dial In User Service (RADIUS) protocol described in RFC 2865 and RFC 2866. This memo provides information for the Internet community.

2868      Zorn                          Jun 2000              RADIUS Attributes for Tunnel  
   Protocol Support

This document defines a set of RADIUS (Remote Authentication Dial In User Service) attributes designed to support the provision of compulsory tunneling in dial-up networks. This memo provides information for the Internet community.

2867      Zorn                          Jun 2000              RADIUS Accounting  
   Modifications for Tunnel  
   Protocol Support

This document defines new RADIUS (Remote Authentication Dial In User Service) accounting Attributes and new values for the existing Acct-Status-Type Attribute designed to support the provision of compulsory tunneling in dial-up networks. This memo provides information for the Internet community.

2866      Rigney                      Jun 2000              RADIUS Accounting

This document describes a protocol for carrying accounting information between a Network Access Server and a shared Accounting Server. This memo provides information for the Internet community.

2865      Rigney                      Jun 2000                      Remote Authentication Dial In  
User Service (RADIUS)

This document describes a protocol for carrying authentication, authorization, and configuration information between a Network Access Server which desires to authenticate its links and a shared Authentication Server. [STANDARDS TRACK]

2864      McCloghrie                  Jun 2000                      The Inverted Stack Table  
Extension to the Interfaces  
Group 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 which provide an inverted mapping of the interface stack table used for managing network interfaces. [STANDARDS TRACK]

2863      McCloghrie                  Jun 2000                      The Interfaces Group MIB

This memo discusses the 'interfaces' group of MIB-II, especially the experience gained from the definition of numerous media-specific MIB modules for use in conjunction with the 'interfaces' group for managing various sub-layers beneath the internetwork-layer. It specifies clarifications to, and extensions of, the architectural issues within the MIB-II model of the 'interfaces' group. [STANDARDS TRACK]

2862      Civanlar                      Jun 2000                      RTP Payload Format for  
Real-Time Pointers

This document describes an RTP payload format for transporting the coordinates of a dynamic pointer that may be used during a presentation. [STANDARDS TRACK]

2861      Handley                      Jun 2000                      TCP Congestion Window  
Validation

This document describes a simple modification to TCP's congestion control algorithms to decay the congestion window cwnd after the transition from a sufficiently-long application-limited period, while using the slow-start threshold ssthresh to save information about the previous value of the congestion window. This memo defines an Experimental Protocol for the Internet community.



2860      Carpenter              Jun 2000              Memorandum of Understanding  
   Concerning the Technical Work  
   of the Internet Assigned  
   Numbers Authority

This document places on record the text of the Memorandum of Understanding concerning the technical work of the IANA that was signed on March 1, 2000 between the IETF and ICANN, and ratified by the ICANN Board on March 10, 2000. This memo provides information for the Internet community.

2859      Fang                      Jun 2000              A Time Sliding Window Three  
   This memo defines a Time

This memo defines a Time Sliding Window Three Colour Marker (TSWTCM), which can be used as a component in a Diff-Serv traffic conditioner. This memo defines an Experimental Protocol for the Internet community.

2858      Bates                      Jun 2000              Multiprotocol Extensions for  
   BGP-4

This document defines extensions to BGP-4 to enable it to carry routing information for multiple Network Layer protocols (e.g., IPv6, IPX, etc...). [STANDARDS TRACK]

2857      Keromytis              Jun 2000              The Use of HMAC-RIPEMD-160-96  
   within ESP and AH

This memo describes the use of the HMAC algorithm in conjunction with the RIPEMD-160 algorithm as an authentication mechanism within the revised IPSEC Encapsulating Security Payload (ESP) and the revised IPSEC Authentication Header (AH). [STANDARDS TRACK]

2856      Bierman                      Jun 2000              Textual Conventions for  
   Additional High Capacity Data  
   Types

This memo specifies new textual conventions for additional high capacity data types, intended for SNMP implementations which already support the Counter64 data type. [STANDARDS TRACK]

2855 Fujisawa Jun 2000 DHCP for IEEE 1394

This memo describes specific usage of some fields of DHCP (Dynamic Host Configuration Protocol) messages. IEEE Std 1394-1995 is a standard for a High Performance Serial Bus. Since 1394 uses a different link-layer addressing method than conventional IEEE802/Ethernet, the usage of some fields must be clarified to achieve interoperability. [STANDARDS TRACK]

2854 Connolly Jun 2000 The 'text/html' Media Type

This document summarizes the history of HTML development, and defines the "text/html" MIME type by pointing to the relevant W3C recommendations. This memo provides information for the Internet community.

2853 Kabat Jun 2000 Generic Security Service API  
Version 2 : Java Bindings

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

2852 Newman Jun 2000 Deliver By SMTP Service  
Extension

This memo defines a mechanism whereby a SMTP client can request, when transmitting a message to a SMTP server, that the server deliver the message within a prescribed period of time. [STANDARDS TRACK]

2851 Daniele Jun 2000 Textual Conventions for  
Internet Network Addresses

This MIB module defines textual conventions to represent commonly used Internet network layer addressing information. [STANDARDS TRACK]

2850 IAB May 2000 Charter of the Internet  
Architecture Board (IAB)

This memo documents the composition, selection, roles, and organization of the Internet Architecture Board. It replaces RFC 1601. This document specifies an Internet Best Current Practices for the Internet Community, and requests discussion and suggestions for improvements.

2849      Good                      Jun 2000                      The LDAP Data Interchange  
Format (LDIF) - Technical  
Specification

This document describes a file format suitable for describing directory information or modifications made to directory information. [STANDARDS TRACK]

2848      Petrack                      Jun 2000                      The PINT Service Protocol:  
Extensions to SIP and SDP for  
IP Access to Telephone Call  
Services

This document contains the specification of the PINT Service Protocol 1.0, which defines a protocol for invoking certain telephone services from an IP network. [STANDARDS TRACK]

2847      Eisler                      Jun 2000                      LIPKEY - A Low Infrastructure  
Public Key Mechanism Using SPKM

This memorandum describes a method whereby one can use GSS-API (Generic Security Service Application Program Interface) to supply a secure channel between a client and server, authenticating the client with a password, and a server with a public key certificate. [STANDARDS TRACK]

2846      Allocchio                      Jun 2000                      GSTN Address Element  
Extensions in E-mail Services

This memo defines a full syntax for a specific application in which there is a need to represent GSTN (Global Switched Telephone Network) addressing and Internet addressing. [STANDARDS TRACK]

2845      Vixie                      May 2000                      Secret Key Transaction  
Authentication for DNS (TSIG)

This protocol allows for transaction level authentication using shared secrets and one way hashing. It can be used to authenticate dynamic updates as coming from an approved client, or to authenticate responses as coming from an approved recursive name server. [STANDARDS TRACK]

|      |            |          |                             |
|------|------------|----------|-----------------------------|
| 2844 | Przygienda | May 2000 | OSPF over ATM and Proxy-PAR |
|------|------------|----------|-----------------------------|

This memo specifies, for OSPF implementors and users, mechanisms describing how the protocol operates in ATM networks over PVC (Permanent Virtual Connections) and SVC (Switched Virtual Circuit) meshes with the presence of Proxy-PAR (PNNI Augmented Routing). This memo defines an Experimental Protocol for the Internet community.

|      |      |          |           |
|------|------|----------|-----------|
| 2843 | Droz | May 2000 | Proxy-PAR |
|------|------|----------|-----------|

The intention of this document is to provide general information about Proxy-PAR (PNNI Augmented Routing). [STANDARDS TRACK]

|      |         |          |  |
|------|---------|----------|--|
| 2842 | Chandra | May 2000 | Capabilities Advertisement<br>with BGP-4 |
|------|---------|----------|--|

This document defines new Optional Parameter, called Capabilities, that is expected to facilitate introduction of new capabilities in BGP by providing graceful capability advertisement without requiring that BGP peering be terminated. [STANDARDS TRACK]

|      |         |          |  |
|------|---------|----------|--|
| 2841 | Metzger | Nov 2000 | IP Authentication using Keyed<br>SHA1 with Interleaved Padding<br>(IP-MAC) |
|------|---------|----------|--|

This document describes the use of keyed SHA1 (Secure Hash Algorithm) with the IP Authentication Header. This memo defines a Historic Document for the Internet community.

2840 Altman May 2000 TELNET KERMIT OPTION

This document describes an extension to the Telnet protocol to allow the negotiation, coordination, and use of the Kermit file transfer and management protocol over an existing Telnet protocol connection. This memo provides information for the Internet community.

2839      da Cruz                      May 2000                      Internet Kermit Service

This document describes a new file transfer service for the Internet based on Telnet Protocol for option negotiation and Kermit Protocol for file transfer and management. This memo provides information for the Internet community.

2838      Zigmond                      May 2000                      Uniform Resource Identifiers  
for Television Broadcasts

This document describes a widely-implemented URI scheme, as World-Wide Web browsers are starting to appear on a variety of consumer electronic devices, such as television sets and television set-top boxes, which are capable of receiving television programming from either terrestrial broadcast, satellite broadcast, or cable. In this context there is a need to reference television broadcasts using the URI format described in RFC 2396. This memo provides information for the Internet community.

2837      Teow                              May 2000                      Definitions of Managed Objects  
for the Fabric Element in  
Fibre Channel Standard

This memo defines an extension to the Management Information Base (MIB) for use with network management protocols in TCP/IP-based internets. In particular, it defines the objects for managing the operations of the Fabric Element portion of the Fibre Channel Standards. [STANDARDS TRACK]

2836      Brim                              May 2000                      Per Hop Behavior  
Identification Codes

This document defines a binary encoding to uniquely identify PHBs (Per Hop Behaviors) and/or sets of PHBs in protocol messages. [STANDARDS TRACK]

2835      Pittet                              May 2000                      IP and ARP over HIPPI-6400  
(GSN)

This document further specifies a method for resolving IP addresses to HIPPI-6400 (High-Performance Parallel Interface) hardware addresses (HARP) and for emulating IP broadcast in a logical IP subnet (LIS) as a direct extension of HARP. Furthermore, it is the goal of this memo to define a IP and HARP that will allow interoperability for HIPPI-800 and HIPPI-6400 equipment both broadcast and non-broadcast capable networks. [STANDARDS TRACK]

2834      Pittet                      May 2000                      ARP and IP Broadcast over  
   HIPPI-800

This document specifies a method for resolving IP addresses to ANSI High-Performance Parallel Interface (HIPPI) hardware addresses and for emulating IP broadcast in a logical IP subnet (LIS) as a direct extension of HARP (hardware addresses). This memo defines a HARP that will interoperate between HIPPI-800 and HIPPI-6400 (also known as Gigabyte System Network, GSN). This document (when combined with RFC 2067 "IP over HIPPI") obsoletes RFC 1374. [STANDARDS TRACK]

2833      Schulzrinne                May 2000                      RTP Payload for DTMF Digits,  
   Telephony Tones and Telephony  
   Signals

This memo describes how to carry dual-tone multifrequency (DTMF) signaling, other tone signals and telephony events in RTP packets. [STANDARDS TRACK]

2832      Hollenbeck                May 2000                      NSI Registry Registrar  
   Protocol (RRP) Version 1.1.0

This document describes a protocol for the registration and management of second level domain names and associated name servers in both generic Top Level Domains (gTLDs) and country code Top Level Domains (ccTLDs). This memo provides information for the Internet community.

2831      Leach                        May 2000                      Using Digest Authentication as  
   a SASL Mechanism

This specification defines how HTTP Digest Authentication can be used as a SASL mechanism for any protocol that has a SASL (Simple Authentication and Security Layer) profile. [STANDARDS TRACK]

2830      Hodges                        May 2000                      Lightweight Directory Access  
   Protocol (v3): Extension for  
   Transport Layer Security

This document defines the "Start Transport Layer Security (TLS) Operation" for LDAP. [STANDARDS TRACK]

2829      Wahl                      May 2000              Authentication Methods for  
LDAP

This document specifies particular combinations of security mechanisms which are required and recommended in LDAP implementations. [STANDARDS TRACK]

2828      Shirey                      May 2000              Internet Security Glossary

This Glossary provides abbreviations, explanations, and recommendations for use of information system security terminology. This memo provides information for the Internet community.

2827      Ferguson                      May 2000              Network Ingress Filtering:  
Defeating Denial of Service  
Attacks which employ IP Source  
Address Spoofing

This paper discusses a simple, effective, and straightforward method for using ingress traffic filtering to prohibit DoS (Denial of Service) attacks which use forged IP addresses to be propagated from 'behind' an Internet Service Provider's (ISP) aggregation point. This document specifies an Internet Best Current Practices for the Internet Community, and requests discussion and suggestions for improvements.

2826      IAB                              May 2000              IAB Technical Comment on the  
Unique DNS Root

This document discusses the existence of a globally unique public name space in the Internet called the DNS (Domain Name System). This name space is a hierarchical name space derived from a single, globally unique root. It is a technical constraint inherent in the design of the DNS. One root must be supported by a set of coordinated root servers administered by a unique naming authority. It is not technically feasible for there to be more than one root in the public DNS. This memo provides information for the Internet community.

2825      IAB                      May 2000              A Tangled Web: Issues of I18N,  
Domain Names, and the Other  
Internet protocols

This document is a statement by the Internet Architecture Board. It is not a protocol specification, but an attempt to clarify the range of architectural issues that the internationalization of domain names faces. This memo provides information for the Internet community.

2824      Lennox                  May 2000              Call Processing Language  
Framework and Requirements

This document describes an architectural framework we call a processing language, as a simple and standardized way for implementing and deploying Internet telephony. A large number of the services we wish to make possible for Internet telephony require fairly elaborate combinations of signalling operations, often in network devices, to complete. It also outlines requirements for such a language. This memo provides information for the Internet community.

2823      Carlson                  May 2000              PPP over Simple Data Link  
(SDL) using SONET/SDH with  
ATM-like framing

This document extends methods found in the Point-to-Point Protocol (PPP) and RFCs 1662 and 2615 to include a new encapsulation for PPP called Simple Data Link (SDL). SDL provides a standard method for transporting multi-protocol datagrams over point-to-point links, and RFCs 1662 and 2615 provide a means to carry PPP over Synchronous Optical Network (SONET) and Synchronous Digital Hierarchy (SDH) circuits. SDL provides a very low overhead alternative to HDLC-like encapsulation, and can also be used on SONET/SDH links. This memo defines an Experimental Protocol for the Internet community.

2822      Resnick                  Apr 2001              Internet Message Format

This document specifies a syntax for text messages that are sent between computer users, within the framework of "electronic mail" messages.  
[STANDARDS TRACK]



2821      Klensin              Apr 2001              Simple Mail Transfer Protocol

This document is a self-contained specification of the basic protocol for the Internet electronic mail transport. [STANDARDS TRACK]

2820      Stokes              May 2000              Access Control Requirements  
for LDAP

This document describes the fundamental requirements of an access control list (ACL) model for the Lightweight Directory Application Protocol (LDAP) directory service. This memo provides information for the Internet community.

2819      Waldbusser            May 2000              Remote Network Monitoring  
Management Information Base

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 remote network monitoring devices. [STANDARDS TRACK]

2818      Rescorla              May 2000              HTTP Over TLS

This memo describes how to use Transport Layer Security (TLS) to secure Hypertext Transfer Protocol (HTTP) connections over the Internet. This memo provides information for the Internet community.

2817      Khare                  May 2000              Upgrading to TLS Within  
HTTP/1.1

This memo explains how to use the Upgrade mechanism in HTTP/1.1 to initiate Transport Layer Security (TLS) over an existing TCP connection. [STANDARDS TRACK]

2816      Ghanwani              May 2000              A Framework for Integrated  
Services Over Shared and  
Switched IEEE 802 LAN  
Technologies

This memo describes a framework for supporting IETF Integrated Services on shared and switched LAN infrastructure. This memo provides information for the Internet community.

2815      Seaman                      May 2000                      Integrated Service Mappings on  
IEEE 802 Networks

This document describes mappings of IETF Integrated Services over LANs built from IEEE 802 network segments which may be interconnected by IEEE 802.1D MAC Bridges (switches). [STANDARDS TRACK]

2814      Yavatkar                      May 2000                      SBM (Subnet Bandwidth  
Manager): A Protocol for  
RSVP-based Admission Control  
over IEEE 802-style networks

This document describes a signaling method and protocol for RSVP-based admission control over IEEE 802-style LANs. [STANDARDS TRACK]

2813      Kalt                              Apr 2000                      Internet Relay Chat: Server  
Protocol

This document defines the protocol used by servers to talk to each other. This memo provides information for the Internet community.

2812      Kalt                              Apr 2000                      Internet Relay Chat: Client  
Protocol

This document defines the Client Protocol, and assumes that the reader is familiar with the IRC Architecture. This memo provides information for the Internet community.

2811      Kalt                              Apr 2000                      Internet Relay Chat: Channel  
Management

This document specifies how channels, their characteristics and properties are managed by IRC servers. This memo provides information for the Internet community.

2810      Kalt                              Apr 2000                      Internet Relay Chat:  
Architecture

This document is an update describing the architecture of the current IRC protocol and the role of its different components. Other documents describe in detail the protocol used between the various components defined here. This memo provides information for the Internet community.

2809      Aboba                      Apr 2000              Implementation of L2TP  
Compulsory Tunneling via  
RADIUS

This document discusses implementation issues arising in the provisioning of compulsory tunneling in dial-up networks using the L2TP (Layer Two Tunneling Protocol) protocol. This memo provides information for the Internet community.

2808      Nystrom                    Apr 2000              The SecurID(r) SASL Mechanism

This document defines a SASL (Simple Authentication and Security Layer) authentication mechanism using SecurID (a hardware token card product (or software emulation thereof) produced by RSA Security Inc., which is used for end-user authentication), thereby providing a means for such tokens to be used in SASL environments. This mechanism is only is only for authentication, and has no effect on the protocol encoding and is not designed to provide integrity or confidentiality services. This memo provides information for the Internet community.

2807      Reagle                        Jul 2000              XML Signature Requirements

This document lists the design principles, scope, and requirements for the XML Digital Signature specification. It includes requirements as they relate to the signature syntax, data model, format, cryptographic processing, and external requirements and coordination. This memo provides information for the Internet community.

2806      Vaha-Sipila                   Apr 2000              URLs for Telephone Calls

This document specifies URL (Uniform Resource Locator) schemes "tel", "fax" and "modem" for specifying the location of a terminal in the phone network and the connection types (modes of operation) that can be used to connect to that entity. [STANDARDS TRACK]

2805      Greene                      Apr 2000                      Media Gateway Control Protocol  
Architecture and Requirements

This document describes protocol requirements for the Media Gateway Control Protocol between a Media Gateway Controller and a Media Gateway. This memo provides information for the Internet community.

2804      IAB                              May 2000                      IETF Policy on Wiretapping

This document describes the position that the Internet Engineering Task Force (IETF) has taken regarding the inclusion into IETF standards-track documents of functionality designed to facilitate wiretapping. This memo explains what the IETF thinks the question means, why its answer is "no", and what that answer means. This memo provides information for the Internet community.

2803      Maruyama                      Apr 2000                      Digest Values for DOM (DOMHASH)

This memo defines a clear and unambiguous definition of digest (hash) values of the XML objects regardless of the surface string variation of XML. This memo provides information for the Internet community.

2802      Davidson                      Apr 2000                      Digital Signatures for the  
v1.0 Internet Open Trading  
Protocol (IOTP)

This document describes the syntax and procedures for the computation and verification of digital signatures for use within Version 1.0 of the Internet Open Trading Protocol (IOTP). This memo provides information for the Internet community.

2801      Burdett                      Apr 2000                      Internet Open Trading Protocol  
- IOTP Version 1.0

This document discusses the Internet Open Trading Protocol (IOTP) and its provision of an interoperable framework for Internet commerce. This memo provides information for the Internet community.

2800      Reynolds              May 2001              Internet Official Protocol  
Standards

This memo contains a snapshot of the state of standardization of protocols used in the Internet as of April 17, 2001. It lists only official protocol standards RFCs; it is not a complete index to the RFC series. [STANDARDS TRACK]

#### Security Considerations

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

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