

# 音声関連の RFC

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## 概要

このドキュメントは、VoIP、QoS、および関連トピックなどの音声関連のすべての RFC の包括的なリストで構成されています。RFC については、[Internet Engineering Task Force \( IETF \)](#) の情報を参照してください。

## 前提条件

### 要件

このドキュメントに関しては個別の要件はありません。

### 使用するコンポーネント

このドキュメントは、特定のソフトウェアやハードウェアのバージョンに限定されるものではありません。

### 表記法

ドキュメント表記の詳細は、『[シスコ テクニカル ティップスの表記法](#)』を参照してください。

## 音声とビデオに関する RFC

音声とビデオに関する RFC を網羅したリストを次に示します。

- [2029](#) RTP Payload Format of Sun's CellB Video Encoding
- [2032](#) RTP Payload Format for H.261 Video Streams
- [2190](#) RTP Payload Format for H.263 Video Stream

- [2198](#) RTP Payload Format for Redundant Audio Data
- [2250](#) RTP Payload Format for MPEG1/MPEG2 Video
- [2326](#) Real Time Streaming Protocol (RTSP)\*
- [2423](#) VPIM Voice Message MIME Sub-type Registration
- [2327](#) SDP : Session Description Protocol\*
- [2343](#) RTP Payload Format for Bundled MPEG
- [2354](#) Options for Repair of Streaming Media
- [2429](#) RTP Payload Format for the 1998 Version of ITU-T Rec. H.263 Video (H.263+)」
- [2431](#) RTP Payload Format for BT.656 Video Encoding
- [2435](#) RTP Payload Format for J-PEG Compressed Video
- [2542](#) Terminology Goals for Internet Fax\*
- [2658](#) RTP Payload Format for PureVoice (tm) Audio
- [2719](#) Framework Architecture for Signalling Transport\*
- [2733](#) An RTP Payload Format for Generic Forward Error Correction
- [2736](#) Guidelines for Writers of RTP Payload Format Specifications\*
- [2793](#) RTP Payload Format for Text Conversation
- [2805](#) MGCP Architecture and Requirements\*
- [2833](#) RTP Payload for DTMF Digits, Telephony Tones and Telephony Signals\*
- [2848](#) The PINT Service Protocol : Extensions to SIP and SDP for IP Access to Telephone Call Services\*
- [2862](#) RTP Payload Format for Real-time Pointers
- [2871](#) A Framework for Telephony Routing over IP\*
- [2879](#) Content Feature Schema for Internet Fax (V2)\*
- [2880](#) Internet Fax T.30 Feature Mapping\*
- [2897](#) Proposal for an MGCP Advanced Audio Package\*
- [2959](#) Real-Time Transport Protocol Management Information Base (RTP MIB)\*
- [2960](#) Stream Control Transmission Protocol
- [2974](#) Session Announcement Protocol\*
- [2976](#) The SIP INFO Method\*
- [3016](#) RTP Payload Format for MPEG-4 Audio/Visual Streams
- [3261](#) SIP : Session Initiation Protocol\*
- [3265](#) Session Initiation Protocol (SIP)-Specific Event Notification\*
- [3309](#) Stream Control Transmission Protocol (SCTP) Checksum Change
- [3435](#) Media Gateway Control Protocol (MGCP) v1\*
- [3550](#) RTP A Transport Protocol for Real-Time Applications\*
- [3551](#) RTP Profile for Audio and Video Conferences with Minimal Control
- [3555](#) MIME Type Registration of RTP Payload Formats
- [3556](#) Session Description Protocol (SDP) Bandwidth Modifiers for RTP Control Protocol (RTCP) Bandwidth
- [3557](#) RTP Payload Format for European Telecommunications Standards Institute (ETSI) European Standard ES 201 108 Distributed Speech Recognition Encoding
- [3558](#) RTP Payload Format for Enhanced Variable Rate Codecs (EVRC) and Selectable Mode Vocoders (SMV)
- [3603](#) Private Session Initiation Protocol (SIP) Proxy-to-Proxy Extensions for Supporting the PacketCable Distributed Call Signaling Architecture
- [3605](#) Real Time Control Protocol (RTCP) Attribute in Session Description Protocol (SDP)
- [3611](#) RTP Control Protocol Extended Reports (RTCP XR)
- [3660](#) Basic Media Gateway Control Protocol (MGCP) Packages\*

- [3661](#) Media Gateway Control Protocol (MGCP) Return Code Usage\*
- [3663](#) Domain Administrative Data in Lightweight Directory Access Protocol (LDAP)\*
- [3665](#) Session Initiation Protocol (SIP) Basic Call Flow Examples\*
- [3666](#) Session Initiation Protocol (SIP) Public Switched Telephone Network (PSTN) Call Flows
- [3673](#) Lightweight Directory Access Protocol version 3 (LDAPv3)\*
- [3674](#) Feature Discovery in Lightweight Directory Access Protocol (LDAP)\*
- [3680](#) A Session Initiation Protocol (SIP) Event Package for Registrations\*
- [3687](#) Lightweight Directory Access Protocol (LDAP) and X.500 Component Matching Rules
- [3690](#) IP Telephony Requirements for Emergency Telecommunication Service (ETS)
- [3698](#) Lightweight Directory Access Protocol (LDAP) : Additional Matching Rules
- [3702](#) Authentication, Authorization, and Accounting Requirements for the Session Initiation Protocol (SIP)\*
- [3703](#) Policy Core Lightweight Directory Access Protocol (LDAP) Schema
- [3761](#) The E.164 to Uniform Resource Identifiers (URI) Dynamic Delegation Discovery System (DDDS) Application (ENUM)
- [3762](#) Telephone Number Mapping (ENUM) Service Registration for H.323
- [3764](#) Enumservice Registration for Session Initiation Protocol (SIP) Addresses-of-Record\*
- [3771](#) The Lightweight Directory Access Protocol (LDAP) Intermediate Response Message
- [3773](#) High-Level Requirements for Internet Voice Mail
- [3801](#) Voice Profile for Internet Mail - Version 2 (VPIMv2)
- [3802](#) Toll Quality Voice - 32 kbit/s Adaptive Differential Pulse Code Modulation (ADPCM) MIME Sub-type Registration
- [3804](#) Voice Profile for Internet Mail (VPIM) Addressing
- [3824](#) Using E.164 Numbers with the Session Initiation Protocol (SIP)\*
- [3939](#) Calling Line Identification for Voice Mail Messages
- [3991](#) Media Gateway Control Protocol (MGCP) Redirect and Reset Package
- [4024](#) Voice Messaging Client Behaviour
- [4237](#) Voice Messaging Directory Service
- [4238](#) Voice Message Routing Service
- [4239](#) Internet Voice Messaging (IVM)
- [4458](#) Session Initiation Protocol (SIP) URIs for Applications, such as Voicemail and Interactive Voice Response (IVR)

## [QoS に関する RFC](#)

QoS に関連する RFC のリストを次に示します。

- [1046](#) Queuing Algorithm to Provide Type-Of-Service (ToS) for IP links
- [1102](#) Policy Routing in Internet protocols\*
- [1104](#) Models of policy based routing
- [1363](#) A Proposed Flow Specification
- [1821](#) Integration of Real-time Services in an IP-ATM Network Architecture\*
- [2123](#) Traffic Flow Measurement : Experiences with NeTraMet
- [2205](#) Resource ReSerVation Protocol (RSVP) - Version 1 Functional Specification\*
- [2206](#) RSVP Management Information Base (MIB) using SMIv2
- [2207](#) RSVP Extensions for IPsec Data Flows
- [2208](#) Resource ReSerVation Protocol (RSVP) - Version 1 Applicability Statement; Some

## Guidelines on Deployment\*

- [2209](#) Resource ReSerVation Protocol (RSVP) - Version 1 Message Processing Rules
- [2210](#) The Use of RSVP with IETF Integrated Services\*
- [2212](#) Specification of Guaranteed Quality of Service (QoS)
- [2215](#) General Characterization Parameters for Integrated Services Network Elements\*
- [2216](#) Network Element Service Specification Template
- [2309](#) Recommendations on Queue Management and Congestion Avoidance in the Internet
- [2330](#) Framework for IP Performance Metrics
- [2379](#) RSVP over ATM Implementation Guidelines
- [2380](#) RSVP over ATM Implementation Requirements
- [2382](#) A framework for Integrated Services and RSVP over ATM\*
- [2386](#) A Framework for QoS-based Routing in the Internet
- [2430](#) A Provider Architecture for Differentiated Services and Traffic Engineering (PASTE)
- [2474](#) Definition of the Differentiated Services Field (DS Field) in the IPv4 and IPv6 Headers
- [2475](#) An Architecture for Differentiated Service\*
- [2490](#) A Simulation Model for IP Multicast with RSVP
- [2676](#) QoS Routing Mechanisms and OSPF Extensions
- [2720](#) Traffic Flow Measurement : Meter MIB
- [2721](#) RTFM : Applicability Statement
- [2722](#) Traffic Flow Measurement : アーキテクチャ
- [2723](#) SRL : A Language for Describing Traffic Flows and Specifying Actions for Flow Groups
- [2724](#) RTFM : New Attributes for Traffic Flow Measurement
- [2745](#) RSVP Diagnostic Messages\*
- [2746](#) RSVP Operation Over IP Tunnels
- [2747](#) RSVP Cryptographic Authentication
- [2748](#) The COPS (Common Open Policy Service) Protocol\*
- [2749](#) COPS Usage for RSVP\* 2750 RSVP Extensions for Policy Control\*
- [2750](#) RSVP Extensions for Policy Control\*
- [2753](#) A Framework for Policy-based Admission Control
- [2914](#) Congestion Control Principles 2990 Next Steps for the IP QoS Architecture
- [2998](#) A Framework for Integrated Services Operation over Diffserv Networks\*
- [3006](#) Integrated Services in the Presence of Compressible Traffic Flows
- [3097](#) RSVP Cryptographic Authentication -- Updated Message Type Value
- [3168](#) The Addition of Explicit Congestion Notification (ECN) to IP
- [3181](#) Signaled Preemption Priority Policy Element
- [3182](#) Identity Representation for RSVP\*
- [3260](#) New Terminology and Clarifications for Diffserv
- [3644](#) Policy Quality of Service (QoS) Information Model
- [3670](#) Information Model for Describing Network Device QoS Datapath Mechanisms
- [4323](#) Data Over Cable System Interface Specification Quality of Service Management Information Base (DOCSIS-QoS MIB)

## シリアル ( PPP、ISDN、圧縮 ) に関する RFC

シリアル接続に関連する RFC のリストを次に示します。

- [1144](#) Compressing TCP/IP Headers for Low-speed Serial Links\*

- [1332](#) The PPP Internet Protocol; Control Protocol (IPCP)
- [1547](#) Requirements for an Internet Standard Point-to-Point Protocol\*
- [1570](#) PPP LCP Extensions
- [1618](#) PPP over ISDN\*
- [1661](#) The Point-to-Point Protocol (PPP)\*
- [1662](#) PPP in HDLC-like Framing\*
- [1663](#) PPP Reliable Transmission
- [1841](#) PPP Network Control Protocol for LAN Extension
- [1877](#) PPP Internet Protocol Control Protocol (IPCP) Extensions for Name Server Addresses
- [1915](#) Variance for the PPP Connection Control Protocol and The PPP Encryption Control Protocol
- [1962](#) PPP Compression Control Protocol (CCP)
- [1963](#) PPP Serial Data Transport Protocol (SDTP)
- [1967](#) PPP LZS-DCP Compression Protocol (LZS-DCP)
- [1968](#) PPP Encryption Control Protocol (ECP)
- [1989](#) PPP Link Quality Monitoring
- [1990](#) The PPP Multilink Protocol (MP)
- [1993](#) PPP Gandalf FZA Compression Protocol
- [1994](#) PPP Challenge Handshake Authentication Protocol (CHAP)
- [2043](#) The PPP SNA Control Protocol (SNACP)
- [2097](#) The PPP NetBIOS Frames Control Protocol (NBFCP)
- [2125](#) The PPP Bandwidth Allocation Protocol (BAP)/ The PPP Bandwidth Allocation Control Protocol (BACP)
- [2127](#) ISDN Management Information Base (MIB) using SMIv2\*
- [2153](#) PPP Vendor Extensions
- [2363](#) PPP over FUNI
- [2364](#) PPP over AAL5
- [2419](#) The PPP DES Encryption Protocol, Version 2 (DESE-bis)
- [2420](#) The PPP Triple-DES Encryption Protocol (3DESE)
- [2433](#) Microsoft PPP CHAP Extensions
- [2484](#) PPP LCP Internationalization Configuration Option
- [2508](#) Compressing IP/UDP/RTP Headers for Low-speed Serial Links\*
- [2516](#) A Method for Transmitting PPP Over Ethernet (PPPoE)
- [2615](#) PPP over SONET/SDH
- [2686](#) The Multi-Class Extension to Multi-link PPP\*
- [2687](#) PPP in a Real-time Oriented HDLC-like Framing\*
- [2688](#) Integrated Services Mappings for Low-speed Networks\*
- [2689](#) Providing Integrated Services over Low-bitrate links\*
- [2701](#) Nortel Networks Multi-link Multi-node PPP Bundle Discovery Protocol
- [2716](#) PPP EAP TLS Authentication Protocol
- [2759](#) Microsoft PPP CHAP Extensions, Version 2
- [2823](#) PPP Over Simple Data Link (SDL) using SONET/SDH with ATM-like Framing
- [3021](#) Using 31-bit Prefixes on IPv4 Point-to-Point Links
- [3241](#) Robust Header Compression (ROHC) over PPP
- [3518](#) Point-to-Point Protocol (PPP) Bridging Control Protocol (BCP)
- [3544](#) IP Header Compression over PPP
- [3748](#) Extensible Authentication Protocol (EAP)
- [3770](#) Certificate Extensions and Attributes Supporting Authentication in Point-to-Point Protocol

- (PPP) and Wireless Local Area Networks (WLAN)
- [3772](#) Point-to-Point Protocol (PPP) Vendor Protocol
  - [3817](#) Layer 2 Tunneling Protocol (L2TP) Active Discovery Relay for PPP over Ethernet (PPPoE)
  - [3818](#) IANA Considerations for the Point-to-Point Protocol (PPP)
  - [3544](#) IP Header Compression over PPP
  - [3578](#) Mapping of Integrated Services Digital Network (ISDN) User Part (ISUP) Overlap Signalling to the Session Initiation Protocol (SIP)
  - [4233](#) Integrated Services Digital Network (ISDN) Q.921-User Adaptation Layer
  - [4334](#) Certificate Extensions and Attributes Supporting Authentication in Point-to-Point Protocol (PPP) and Wireless Local Area Networks (WLAN)
  - [4638](#) Accommodating a Maximum Transit Unit/Maximum Receive Unit (MTU/MRU) Greater Than 1492 in the Point-to-Point Protocol over Ethernet (PPPoE)

\* 特に IP テレフォニー テクノロジーと関係のある項目

## 関連情報

- [RFC インデックス](#)
- [Internet Engineering Task Force \( IETF; インターネット技術特別調査委員会 \)](#)
- [音声に関する技術サポート](#)
- [音声およびユニファイド コミュニケーションに関するサポート リソース](#)
- [Cisco IP Telephony のトラブルシューティング](#)
- [テクニカル サポートとドキュメント - Cisco Systems](#)