

# Enhanced Communication Server [ECS] MIB

Version 7.6



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# ABOUT THIS MANUAL

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The [ECS MIB Reference Guide](#) describes the Annex 0 textual conventions and the Annex 1.2 RAS parameters of the H.341 standard which are relevant to the operation of RADVISION gatekeepers. The manual also describes the Private RADVISION Gatekeeper MIB extension.

## ABOUT MIB

A Management Information Base (MIB) is a formal description of a set of network objects that can be managed using SNMP. The format of the MIB is defined as part of SNMP. All other MIBs are extensions of this basic MIB. MIB-I refers to the initial MIB definition. MIB-II is the current definition. SNMP version 2 includes MIB-II and adds some new objects.

Standard operations are requested or performed on a system via a management agent by management clients. The management agent accesses the requested information and returns it to the requesting client.

The H.323 MIB extension is described in the ITU-T Draft Recommendation H.341 (May 1999), Multimedia Management Information Base for H.323 version 2.

## MIB NODES WITHIN RADVISION GATEKEEPERS

RADVISION gatekeepers support the H.341 standard node for Registration, Admission and Signaling (RAS). This node contains three tables, one for each of the RAS parameters.

The RADVISION Gatekeeper MIB tree also includes a unique 903 node. The 903 node contains an extension node called Private RADVISION Gatekeeper MIB which allows the addition of a fourth parameter to the standard H.341 RAS node. The SNMP agent in the gatekeeper implements the parameters of the H.341 extension.

# 1

## H.341 ANNEX 0—TEXTUAL CONVENTIONS

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### WHAT'S IN THIS CHAPTER

Table 1-1 describes the Annex 0 textual conventions of the H.341 standard.

**Table 1-1** *H.341 Annex 0 Textual Conventions*

Textual Convention	Syntax	Description
<b>MmAliasTag</b>	Integer { other(0), e164(1), h323Id(2), urlId(3), transportId(4), emailId(5) partyNumber(6) }	A tag to identify the type of alias address contained in the <a href="#">MmAliasAddress</a> data type. 0 = unknown, 1 = <a href="#">MmE164String</a> , 2 = <a href="#">MmUtf8String</a> , 3 = <a href="#">MmUtf8String</a> containing a URL, 4 = <a href="#">MmTAddressTag</a> , <a href="#">TAddress</a> , 5 = <a href="#">MmUtf8String</a> containing an e-mail address, 6 = Party Number.

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## What's in this Chapter

Textual Convention	Syntax	Description
<b>MmUtf8String</b>	OCTET STRING (SIZE (0 .. 255))	To facilitate internationalization, this textual convention represents information taken from the ISO/IEC IS 10646-1 character set, encoded as an octet string using the UTF-8 character encoding scheme described in RFC 2044. For strings in 7-bit US-ASCII, there is no impact since the UTF-8 representation is identical to the US-ASCII encoding.
<b>MmGlobalIdentifier</b>	STRING (SIZE (16))	A 16-octet field containing a unique identifier.
<b>MmH323EndpointType</b>	Integer32	Terminal type represents the type of H.323 terminal: 50 = terminal without MC, 60 = gateway without MC, 70 = terminal with MC but without MP, 80 = gateway with MC but without MP, 90 = gateway with MC and Data MP, 100 = gateway containing MC with data and audio MP, 110 = gateway containing MC with data, audio and video MP, 120 = gatekeeper with MC but without MP, 130 = gatekeeper with MC and Data MP, 140 = gatekeeper containing MC with data and audio MP, 150 = gatekeeper containing MC with data, audio and video MP, 160 = MCU with MC but without MP, 170 = MCU with MC and Data MP, 180 = MCU containing MC with data and audio MP, 190 = MCU containing MC with data, audio and video MP, 240 = entity with active MC.

Textual Convention	Syntax	Description
<b>MmAddressTag</b>	Integer {other(0), ipv4(1), ipv6(2), ipx(3), nsap(4), netbios(5)}	<p>A tag to identify the type of transport address contained in the <a href="#">TAddress</a> textual convention. The values correlate to the <i>TransportAddress</i> value defined in the H.225.0 version 2 ITU protocol specification. All TAddress values are in network byte order.</p> <p>ipv4 (6 octets) = IPv4 (4) + port (2),            ipv6 (18 octets) = IPv6 (16) + port (2),            ipx (12 octets) = net (4) + node (6) + port (2),            nsap (1-20 octets) = nsap (1-20),            netbios (16 octets) = netbios (16).</p>
<b>MmH225Crv</b>	Integer (0..65535)	A data type corresponding to the Call Reference value defined in H.225.0.
<b>MmErrorSeverity</b>	Integer {cleared (0), indeterminate (1), critical (2), major (3), minor (4), warning (5)}	<p>Error Severities from OSI Defined Values (X.733):</p> <p>0 = The clearing of one or more previously reported alarms,            Indeterminate—The severity level cannot be determined,            2 = A service affecting condition has occurred and an immediate corrective action is required,            3 = A service affecting condition has occurred and an urgent corrective action is required,            4 = A non-service affecting condition has occurred and corrective action should be taken to prevent a more serious condition,            5 = The detection of an potential or impending service affecting fault, before any significant effects have been felt. Action should be taken to further diagnose and correct the problem to prevent a more serious condition.</p>
<b>MmCallType</b>	Integer {pointToPoint (1), oneToN (2), nToOne (3), nToN (4)}	Value indicating the call type.

## What's in this Chapter

Textual Convention	Syntax	Description
<b>MmAliasAddress</b>	STRING (SIZE (1..512))	See <a href="#">MmAliasTag</a> .
<b>MmGatekeeperID</b>	STRING (SIZE (1..128))	A data type corresponding to the <i>GatekeeperIdentifier</i> value defined in H.225.0.
<b>MmEndpointID</b>	STRING (SIZE (1..128))	A data type corresponding to the <i>EndpointIdentifier</i> value defined in H.225.0.
<b>MmTerminalLineRateCapability</b>	Bits	Represents the line rate capabilities of a terminal device. 0 = 64 Kbps, 1 = 2 x 64 Kbps, 2 = 3 x 64 Kbps, 3 = 4 x 64 Kbps, 4 = 5 x 64 Kbps, 5 = 6 x 64 Kbps, 6 = 384 Kbps, 7 = 2 x 384 Kbps, 8 = 3 x 384 Kbps, 9 = 5 x 384 Kbps, 10 = 1536 Kbps, 11 = 1920 Kbps, 12 = 128 Kbps, 13 = 192 Kbps, 14 = 256 Kbps, 15 = 320 Kbps, 16 = 512 Kbps, 17 = 768 Kbps, 18 = 1152 Kbps, 19 = 1452 Kbps.
<b>MmTerminalVideoCapability</b>	Bits {h261CIFVideo (0), h261QCIFVideo (1), h263SQCIFVideo (2), h263QCIFVideo (3), h263CIFVideo (4), h263CIF4Video (5), h263CIF16Video (6), h262SPMLSIFVideo (7), h262SPML2SIFVideo (8), h262SPML4SIFVideo (9), h262MPMLSIFVideo (10), h262MPML2SIFVideo (11), h262MPML4SIFVideo (12)}	Represents the video capabilities of a terminal device.
<b>MmE164String</b>	OCTET STRING (SIZE (1 .. 128))	A UTF-8 string limited to the character set defined for E.164, "0123456789*#,<quote>".

Textual Convention	Syntax	Description
<b>MmTerminalAudioCapability</b>	Bits {g711ALaw64KAudio (0), g711ALaw56KAudio (1), g711ULaw64KAudio (2), g711ULaw56KAudio (3), g722d64KAudio (4), g722d56KAudio (5), g722d48KAudio (6), g728Audio (7), g723d1d5d3KAudio (8), g723d1d6d4KAudio (9), g729Audio (10)}	Represents the audio capabilities of a terminal device.
<b>MmControlsCommands</b>	Integer	A value that represents a command for an endpoint. 1 = Other (for proprietary extensions), 2 = Abrupt restart (drastic restart), 3 = Graceful restart (restart after all calls have terminated, meanwhile, accept no calls), 4 = Abrupt shutdown (drastic restart), 5 = Graceful shutdown (shutdown after all calls have terminated, meanwhile, accept no calls), 6 = Enter quiescence mode (disable receiving of calls), 7 = Exit quiescence mode (enable receiving of calls), 8 = Start error/log reporting, 9 = Stop error/log reporting, 10 = Reset statistics, 11 = Run diagnostic.
<b>MmTerminalDataCapability</b>	Bits {t120 (0), dsmCc (1), userData (2), t84 (3), t434 (4), h224 (5), nlpid (6), dsvdControl (7), h222DataPartitioning (8), t30fax (9), t140 (10), others (11)}	Represents the data application capabilities of a terminal device.

## What's in this Chapter

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Textual Convention	Syntax	Description
<b>MmErrorProbableCause</b>	Integer {other(1), qoSDegraded(2), lossOfConn(3), commProtocolError(4), alarmSignal(5), performanceDegraded(6), callEstablishmentError(7), alarmOnIncomingConn(8), alarmOnOutgoingConn(9), lossOfIncomingConn(10), lossOfOutgoingConn(11), componentFailure(12), processingError(13), congestion (14), powerProblem(15)}	Enumerated list of possible Gateway errors: 1 = Errors on a connection, 2 = Quality of Service has been reduced, 3 = Entity has lost the connection, 4 = A communication protocol has been violated, 5 = An alarm condition exists on this connection, 6 = Service agreements or service limits are outside acceptable limits, errors on a call, 7 = The call could not be established, 8 = An alarm condition exists on the ingress connection, this could be due to any one of the error types (1), (2), (4), (5), or (6) existing on the ingress connection, 9 = An alarm condition exists on the egress connection, this could be due to any one of the error types (1), (2), (4), (5), or (6) existing on the ingress connection, 10 = This entity has lost the ingress connection, 11 = This entity has lost the ingress connection, errors on an entity, 12 = A physical resource, for example, a circuit, in this entity has failed, 13 = An error in a software program, for example, a software version mismatch, 14 = This entity has reached its capacity or is approaching it, 15 = There is a problem with the power supply for one or more resources.

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<b>Textual Convention</b>	<b>Syntax</b>	<b>Description</b>
<b>TAddress</b>	STRING	Denotes a transport service address. For an SNMP UDP domain, a TAddress is 6 octets long. The initial 4 octets contain the IP address in network byte order. The last 2 octets contain the UDP port in network byte order.
<b>ifIndex</b>	Integer	1 = the value for each interface. The value for each interface must remain constant at least from one re-initialization of the entity network management system to the next re-initialization.
<b>MmH323Root</b>		A subtree for the root of H.323 MIB modules.

# 2

## H.341 ANNEX 1.2 RAS PARAMETERS

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### WHAT'S IN THIS CHAPTER

Table 2-1 describes the Annex 1.2 RAS parameters of the H.341 standard.

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**Note** Parameters shaded red and marked with an asterisk (\*) are deprecated and will not be supported in the future.

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### OBJECT IDENTIFIER ABBREVIATIONS

#### RAS

The **RAS** object identifier (OID) reference = **0.0.8.341.1.1.2**.

#### RV\_ECS

The **RV\_ECS** object identifier (OID) reference = **1.3.6.1.4.1.903.5**.

**Table 2-1** H.341 Annex 1.2 RAS Parameters

Variable Name	OID	Operation	Syntax	Description
rasConfigurationTable	RAS.1.1	Not accessible	SEQUENCE OF rasConfigurationTableEntry	This table contains information about RAS configuration parameters.
rasConfigurationTableEntry	RAS.1.1.1	Not accessible		This table contains objects that describe the rasConfiguration parameters.

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## Object Identifier Abbreviations

Variable Name	OID	Operation	Syntax	Description
INDEX {ifIndex}				The index of the table.
rasConfigurationGatekeeperIdentifier*	<a href="#">RAS.1.1.1.1</a>	Read-write	STRING	A string that identifies the gatekeeper.
rasConfigurationTimer*	<a href="#">RAS.1.1.1.2</a>	Read-write	Integer 32	The length of time (in seconds) for which an endpoint will wait for a response.
rasConfigurationMaxNumberOfRetries*	<a href="#">RAS.1.1.1.3</a>	Read-write	Integer 32	The maximum number of times a message will be resent.
rasConfigurationGatekeeperDiscoveryAddressTag*	<a href="#">RAS.1.1.1.4</a>	Read-only	MmTAddressTag	The transport address tag of the gatekeeper.
rasConfigurationGatekeeperDiscoveryAddress*	<a href="#">RAS.1.1.1.5</a>	Read-only	TAddress	The gatekeeper transport address that allows for manual discovery.
<b>rasRegistrationTable</b>	<a href="#">RAS.2.1</a>	Not accessible	SEQUENCE OF rasRegistrationTableEntry	This table contains information about endpoints that are registered with the Gatekeeper.
rasRegistrationTableEntry	<a href="#">RAS.2.1.1</a>	Not accessible		This table contains objects that describe endpoints that are registered with the Gatekeeper.

Variable Name	OID	Operation	Syntax	Description
INDEX {ifIndex, rasRegistrationCallSignallingAddressTag, rasRegistrationCallSignallingAddress, rasRegistrationSrcRasAddressTag, rasRegistrationSrcRasAddress}				The index of the table.
rasRegistrationCallSignallingAddressTag	<a href="#">RAS.2.1.1.1</a>	None	MmTAddressTag	The Call Signaling IP address tag of the endpoint.
rasRegistrationCallSignallingAddress	<a href="#">RAS.2.1.1.2</a>	None	TAddress	The Call Signaling IP address of the endpoint.
rasRegistrationSrcRasAddressTag	<a href="#">RAS.2.1.1.3</a>	None	MmTAddressTag	The RAS IP address tag of the source endpoint.
rasRegistrationSrcRasAddress	<a href="#">RAS.2.1.1.4</a>	None	TAddress	The RAS IP address of the source endpoint.
rasRegistrationIsGatekeeper*	<a href="#">RAS.2.1.1.5</a>	Read-only	BOOL	TRUE = the endpoint is a gatekeeper.
rasRegistrationGatekeeperId*	<a href="#">RAS.2.1.1.6</a>	Read-only	MmGatekeeperID	The identifier of the gatekeeper to which the specified endpoint is registered.
rasRegistrationEndpointId*	<a href="#">RAS.2.1.1.7</a>	Read-only	MmEndpointID	The endpoint identifier.
rasRegistrationEncryption*	<a href="#">RAS.2.1.1.8</a>	Read-only	BOOL	TRUE = the endpoint is using encryption.

## Object Identifier Abbreviations

Variable Name	OID	Operation	Syntax	Description
rasRegistrationWillSupplyUUIE*	<a href="#">RAS.2.1.1.9</a>	Read-only	BOOL	TRUE = the endpoint will supply Q.931 message information in IRR messages if requested by the gatekeeper.
rasRegistrationIntegrityCheckValue*	<a href="#">RAS.2.1.1.10</a>	Read-only	BOOL	TRUE = the endpoint will supply the integrity check value.
rasRegistrationTableNumberOfAliases*	<a href="#">RAS.2.1.1.11</a>	Read-only	Integer 32	The number of alias addresses for the endpoint.
rasRegistrationTableRowStatus	<a href="#">RAS.2.1.1.12</a>	Read-create	RowStatus	The row status of the entry. This object is required to create or delete rows remotely by a manager.
rasRegistrationEndpointType*	<a href="#">RAS.2.1.1.13</a>	Read-only	Integer 32	Indicates the type of H.323 terminal.
rasRegistrationPregrantedARQ*	<a href="#">RAS.2.1.1.14</a>	Read-only	BOOL	TRUE = pre-granted ARQ is supported.
rasRegistrationIsregisteredByRRQ*	<a href="#">RAS.2.1.1.15</a>	Read-only	BOOL	TRUE = the endpoint was registered dynamically.

Variable Name	OID	Operation	Syntax	Description
<b>rasRegistrationAliasTable</b>	<a href="#">RAS.2.2</a>	Not accessible	SEQUENCE OF rasRegistrationAliasTableEntry	This table contains information about registered endpoint aliases. The number of entries is equal to the sum of all aliases for all registered endpoints.
rasRegistrationAliasTableEntry	<a href="#">RAS.2.2.1</a>	Not accessible		This table contains a unique alias for each registered endpoint.
INDEX {ifIndex, rasRegistrationCallSignallingAddressTag, rasRegistrationCallSignallingAddress, rasRegistrationAliasTableIndex }				The index of the table.
rasRegistrationCallSignallingAddressTag	<a href="#">RAS.2.1.1.1</a>	None	MmTAddressTag	The Call Signaling IP address tag of the endpoint.
rasRegistrationCallSignallingAddress	<a href="#">RAS.2.1.1.2</a>	None	TAddress	The Call Signaling IP address of the endpoint.
rasRegistrationAliasTableIndex	<a href="#">RAS.2.2.1.1</a>	None	Integer 32	An arbitrary index to this table. The index is 1 for the first alias for every given RAS address. It is increased by one for each subsequent alias of the same RAS address. The last index of a particular RAS address is equal to the number of aliases for that endpoint.

## Object Identifier Abbreviations

Variable Name	OID	Operation	Syntax	Description
rasRegistrationAliasTag*	RAS.2.2.1.2	Read-only	MmAliasTag	The alias tag of the registered endpoint.
rasRegistrationAlias*	RAS.2.2.1.3	Read-only	MmAliasAddress	The alias of the registered endpoint.
<b>rasRegistrationRasAddressTable</b>	RAS.2.3	Not accessible	SEQUENCE OF rasRegistrationRasAddressTableEntry	This table contains information about registered endpoint additional RAS address entries. The number of entries is equal to the sum of all RAS addresses for all registered endpoints.
rasRegistrationRasAddressTableEntry	RAS.2.3.1	Not accessible		This table contains a unique RAS address that corresponds to the Call Signaling address of each registered endpoint.
INDEX {ifIndex, rasRegistrationCallSignallingAddressTag, rasRegistrationCallSignallingAddress, rasRegistration, rasAddressTableIndex }				The index of the table.
rasRegistrationCallSignallingAddressTag	RAS.2.1.1.1	None	MmTAddressTag	The Call Signaling IP address tag of the endpoint.
rasRegistrationCallSignallingAddress	RAS.2.1.1.2	None	TAddress	The Call Signaling IP address of the endpoint.
rasRegistrationRasAddressTableIndex	RAS.2.3.1.1	None	Integer 32	An arbitrary index to this table.

Variable Name	OID	Operation	Syntax	Description
rasRegistrationAdditionalSrcRasAddressTag*	<a href="#">RAS.2.3.1.2</a>	Read-only	MmTAddressTag	The transport address tag of the endpoint.
rasRegistrationAdditionalSrcRasAddress*	<a href="#">RAS.2.3.1.3</a>	Read-only	TAddress	The transport address of the endpoint.
<b>rasRegistrationCallSignalingAddressTable</b>	<a href="#">RAS.2.4</a>	None	SEQUENCE OF rasRegistrationCallSignalingTableEntry	This table contains information about registered endpoint additional signaling addresses.
rasRegistrationCallSignalingAddressTableEntry	<a href="#">RAS.2.4.1</a>	None		This table contains a unique Call Signaling address for each registered endpoint.
INDEX {ifIndex, rasRegistrationCallSignalingAddressTag, rasRegistrationCallSignalingAddress, rasRegistrationCallSignalingAddressTableIndex }				The index of the table.
rasRegistrationCallSignalingAddressTag	<a href="#">RAS.2.1.1.1</a>	None	MmTAddressTag	The Call Signaling IP address tag of the endpoint.
rasRegistrationCallSignalingAddress	<a href="#">RAS.2.1.1.2</a>	None	TAddress	The Call Signaling IP address of the endpoint.
rasRegistrationCallSignalingAddressTableIndex	<a href="#">RAS.2.4.1.1</a>	None	Integer 32	An arbitrary index to this table.
rasRegistrationAdditionalCallSignalingAddressTag*	<a href="#">RAS.2.4.1.2</a>	Read-only	MmTAddressTag	The transport address tag of the endpoint.
rasRegistrationAdditionalCallSignalingAddress*	<a href="#">RAS.2.4.1.3</a>	Read-only	TAddress	The transport address of the endpoint.

## Object Identifier Abbreviations

Variable Name	OID	Operation	Syntax	Description
<b>rasAdmissionTable</b>	<a href="#">RAS.3.1</a>	Not accessible	SEQUENCE OF rasRegistrationCallSignalingTableEntry	This table contains information about endpoints that have been admitted by the gatekeeper. The total number of entries is equal to the number of admitted endpoints.
rasAdmissionTableEntry	<a href="#">RAS.3.1.1</a>	Not accessible		This table contains objects that describe endpoints that are admitted by the gatekeeper.
INDEX {ifIndex, rasAdmissionSrcCallSignalingAddress, rasAdmissionRasAddress, rasAdmissionCallIdentifier}				The index of the table.
rasAdmissionSrcCallSignalingAddressTag*	<a href="#">RAS.3.1.1.1</a>	Read-only	MmTAddressTag	The transport address tag of the source endpoint.
rasAdmissionSrcCallSignalingAddress	<a href="#">RAS.3.1.1.2</a>	None	TAddress	The Call Signaling address of the source endpoint.
rasAdmissionDestCallSignalingAddressTag*	<a href="#">RAS.3.1.1.3</a>	Read-only	MmTAddressTag	The transport address tag of the destination endpoint.
rasAdmissionDestCallSignalingAddress*	<a href="#">RAS.3.1.1.4</a>	None	TAddress	The Call Signaling address of the destination endpoint.
rasAdmissionCallIdentifier	<a href="#">RAS.3.1.1.5</a>	None	MmGlobalIdentifier	The call identifier.
rasAdmissionConferenceId*	<a href="#">RAS.3.1.1.6</a>	Read-only	MmGlobalIdentifier	The conference identifier.

Variable Name	OID	Operation	Syntax	Description
rasAdmissionRasAddressTag*	<a href="#">RAS.3.1.1.7</a>	Read-only	MmTAddressTag	The transport address tag of the source endpoint.
rasAdmissionRasAddress	<a href="#">RAS.3.1.1.8</a>	None	TAddress	The Call Signaling address of the source endpoint.
rasAdmissionCRV*	<a href="#">RAS.3.1.1.9</a>	Read-only	MmH225Crv	The Call Reference Value of the caller.
rasAdmissionIsGatekeeper*	<a href="#">RAS.3.1.1.10</a>	Read-only	BOOL	TRUE = the endpoint is a gatekeeper.
rasAdmissionSrcAliasAddressTag*	<a href="#">RAS.3.1.1.11</a>	Read-only	MmAliasTag	The alias address tag of the source endpoint.
rasAdmissionSrcAliasAddress*	<a href="#">RAS.3.1.1.12</a>	Read-only	MmAliasAddress	The call alias address of the source endpoint.
rasAdmissionDestAliasAddressTag*	<a href="#">RAS.3.1.1.13</a>	Read-only	MmAliasTag	The alias address tag of the destination endpoint.
rasAdmissionDestAliasAddress*	<a href="#">RAS.3.1.1.14</a>	Read-only	MmAliasAddress	The call alias address of the destination endpoint.
rasAdmissionAnswerCallIndicator*	<a href="#">RAS.3.1.1.15</a>	Read-only	Integer {caller (1), callee (2)}	Indicates caller or callee.
rasAdmissionTime*	<a href="#">RAS.3.1.1.16</a>	Read-only	DateAndTime	The time of the admission.
rasAdmissionEndpointId*	<a href="#">RAS.3.1.1.17</a>	Read-only	MmEndpointID	The endpoint identifier.

## Object Identifier Abbreviations

Variable Name	OID	Operation	Syntax	Description
rasAdmissionBandwidth*	<a href="#">RAS.3.1.1.18</a>	Read-only	Integer 32	The allowed maximum bandwidth for the call (may be less than requested by the endpoint).
rasAdmissionIRRFrequency*	<a href="#">RAS.3.1.1.19</a>	Read-only	Integer 32	The time interval (in seconds) at which the endpoint sends IRR messages to the gatekeeper while on a call.
rasAdmissionCallType*	<a href="#">RAS.3.1.1.20</a>	Read-only	MmCallType	Using this value, the gatekeeper can attempt to determine real bandwidth usage.
rasAdmissionCallModel*	<a href="#">RAS.3.1.1.21</a>	Read-only	integer {direct (1), gatekeeperRouted (2)}	1 = endpoint-to-endpoint call mode is in use, 2 = call signaling is being passed via the gatekeeper.
rasAdmissionSrcHandlesBandwidth*	<a href="#">RAS.3.1.1.22</a>	Read	BOOL	TRUE = the caller reserves its own bandwidth.
rasAdmissionDestHandlesBandwidth*	<a href="#">RAS.3.1.1.23</a>	Read	BOOL	TRUE = the callee reserves its own bandwidth.
rasAdmissionSecurity*	<a href="#">RAS.3.1.1.24</a>	Read	BOOL	TRUE = the endpoint is using security.

Variable Name	OID	Operation	Syntax	Description
rasAdmissionSrcWillSupplyUUIE*	<a href="#">RAS.3.1.1.25</a>	Read	BOOL	TRUE = the caller will supply Q.931 message information in IRR messages if requested by the gatekeeper.
rasAdmissionDestWillSupplyUUIE*	<a href="#">RAS.3.1.1.26</a>	Read	BOOL	TRUE = the callee will supply Q.931 message information in IRR messages if requested by the gatekeeper.
rasAdmissionTableRowStatus*	<a href="#">RAS.3.1.1.27</a>	Read-create	RowStatus	The row status of the entry. This object is required or delete rows remotely by a manager.

# 3

## PRIVATE RADVISION GATEKEEPER MIB EXTENSION

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### WHAT'S IN THIS CHAPTER

Table 3-1 describes the Private RADVISION Gatekeeper MIB extension parameters.

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**Note** Parameters shaded red and marked with an asterisk (\*) are deprecated and will not be supported in the future.

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### OBJECT IDENTIFIER ABBREVIATIONS

#### RAS

The **RAS** object identifier (OID) reference = **0.0.8.341.1.1.2**.

#### RV\_ECS

The **RV\_ECS** object identifier (OID) reference = **1.3.6.1.4.1.903.5**.

## Object Identifier Abbreviations

**Table 3-1** Private RADVISION Gatekeeper MIB Extension

Variable Name	OID	Operation	Syntax	Description
rvRasConfigurationTable	RV_ECS.1.1.1	Not accessible	SEQUENCE OF rvRasConfigurationTableEntry	This table contains information about rvRasConfiguration parameters. The number of entries equals the number of configuration parameters.
rvRasConfigurationTableEntry	RV_ECS.1.1.1.1	Not accessible		This table contains objects that describe the rvRasConfiguration parameters.
INDEX {ifIndex}				The index of the table.
rvRasConfigurationMaxCalls	RV_ECS.1.1.1.1.1	Read-write	Integer 32	The maximum number of calls.
rvRasConfigurationCurrentCalls*	RV_ECS.1.1.1.1.2	Read-only	Integer 32	The number of current calls.
rvRasConfigurationMaxRegs	RV_ECS.1.1.1.1.3	Read-write	Integer 32	The maximum number of registrations.
rvRasConfigurationCurrentRegsOnline*	RV_ECS.1.1.1.1.4	Read-only	Integer 32	The number of current registrations.
rvRasConfigurationMaxBWperEntity	RV_ECS.1.1.1.1.5	Read-write	Integer 32	The maximum bandwidth (in Kbps) per endpoint.
rvRasConfigurationCurrentBWUsage*	RV_ECS.1.1.1.1.6	Read-only	Integer 32	Bandwidth consumption (in Kbps) in the gatekeeper zone.
rvRasConfigurationMaxBandwidth	RV_ECS.1.1.1.1.7	Read-write	Integer 32	The maximum bidirectional bandwidth which The gatekeeper can allocate to all calls in the zone.

Variable Name	OID	Operation	Syntax	Description
rvRasConfigurationIRQInterval	<a href="#">RV_ECS.1.1.1.1.8</a>	Read-write	Integer 32	The length of time (in seconds) that the gatekeeper waits before sending IRQ messages.
rvRasConfigurationCallIRQInterval	<a href="#">RV_ECS.1.1.1.1.9</a>	Read-write	Integer 32	The length of time (in seconds) that the gatekeeper waits before sending CallIRQ messages.
rvRasConfigurationCallPolicy	<a href="#">RV_ECS.1.1.1.1.10</a>	Read-write	Integer 32	1 = accept calls, 2 = do not accept calls.
rvRasConfigurationAliasGiving	<a href="#">RV_ECS.1.1.1.1.11</a>	Read-write	BOOL	TRUE = the gatekeeper assigns aliases which are not declared in the predefined registration process to the endpoint. FALSE = the gatekeeper only assigns aliases which are declared in the registration process to the endpoint.
rvRasConfigurationDHCP	<a href="#">RV_ECS.1.1.1.1.12</a>	Read-write	BOOL	TRUE = the gatekeeper works in DHCP mode. FALSE = the gatekeeper works in non-DHCP mode.
rvRasConfigurationMulticast	<a href="#">RV_ECS.1.1.1.1.13</a>	Read-write	BOOL	TRUE = the gatekeeper supports multicast in the network. FALSE = the gatekeeper does not support multicast in the network.
rvRasConfigurationDisconnectAll	<a href="#">RV_ECS.1.1.1.1.14</a>	Read-create	RowStatus	6 = the gatekeeper disconnects all calls.

## Object Identifier Abbreviations

Variable Name	OID	Operation	Syntax	Description
rvRasConfigurationUnregisterAll	<a href="#">RV_ECS.1.1.1.1.15</a>	Read-create	RowStatus	6 = the gatekeeper unregisters all registered endpoints.
rvRasConfigurationClearFDB	<a href="#">RV_ECS.1.1.1.1.16</a>	Read-create	RowStatus	6 = the gatekeeper clears the Forwarding database.
rvRasConfigurationPreGrantAll	<a href="#">RV_ECS.1.1.1.1.17</a>	Read-write	BOOL	TRUE = the gatekeeper sends a pre-grant ARQ permission message in the ACF message for each endpoint that wishes to register. FALSE = pre-grant ARQ message not sent.
rvRasConfigurationRegistrationMode	<a href="#">RV_ECS.1.1.1.1.18</a>	Read-write	Integer 32	Indicates the status of the gatekeeper Registration mode: 1 = all endpoints can register dynamically, 2 = no endpoints can register dynamically, 3 = only predefined endpoints can register dynamically.
rvRasConfigurationCallModel	<a href="#">RV_ECS.1.1.1.1.19</a>	Read-write	Integer 32	Indicates the status of the gatekeeper Routing mode: 1 = all calls are routed via the gatekeeper (Q.931 routed, H.245 direct), 2 = all calls are direct via the gatekeeper (Q.931 direct, H.245 direct), 3 = all calls are H.245 routed (Q.931 routed, H.245 routed).

## Object Identifier Abbreviations

Variable Name	OID	Operation	Syntax	Description
rvRasConfigurationEarlyH245	<a href="#">RV_ECS.1.1.1.1.20</a>	Read-write	BOOL	TRUE = the gatekeeper sends the endpoint an H.245 message within the Setup message. FALSE = the gatekeeper sends the endpoint an H.245 message within the Connect message.
rvRasConfigurationFastStart	<a href="#">RV_ECS.1.1.1.1.21</a>	Read-write	BOOL	TRUE = the gatekeeper sends a Fast Start ACK message before Connect. FALSE = Fast Start ACK message not sent.
rvRasConfigurationDelayCallProceeding	<a href="#">RV_ECS.1.1.1.1.22</a>	Read-write	BOOL	TRUE = for calls routed via the gatekeeper, the gatekeeper sends the Call Proceeding message only after receiving the Call Proceeding message from the endpoint. FALSE = for calls routed via the gatekeeper, the gatekeeper sends the Call Proceeding message during Setup.
rvRasConfigurationUseProxyForUnKnownZones	<a href="#">RV_ECS.1.1.1.1.23</a>	Read-write	BOOL	TRUE = the gatekeeper sends calls to unresolved zones via the Cisco H.323 Proxy.
rvRasConfigurationGatekeeperIdentifier	<a href="#">RV_ECS.1.1.1.1.24</a>	Read-write	STRING	A string that identifies the gatekeeper.
rvRasConfigurationCurrentRegsTotal*	<a href="#">RV_ECS.1.1.1.1.25</a>	Read-only	Integer 32	The current total number of predefined and online registrations.

## Object Identifier Abbreviations

Variable Name	OID	Operation	Syntax	Description
rvRasConfigurationMaxFwdEntries*	<a href="#">RV_ECS.1.1.1.1.26</a>	Read-only	Integer 32	The maximum number of entries in the Forwarding database.
rvRasConfigurationTTLEnable	<a href="#">RV_ECS.1.1.1.1.27</a>	Read-write	BOOL	TRUE = enable the TTL feature. FALSE = disable the TTL feature.
rvRasConfigurationLrqParticipant Simultaneously	<a href="#">RV_ECS.1.1.1.1.28</a>	Read-write	BOOL	TRUE = the gatekeeper sends LRQ messages simultaneously to the LDAP server, the DNS server and Neighbor Gatekeepers, and by using multicast. FALSE = the gatekeeper sends LRQ messages according to configured LRQ policy.
rvRasConfigurationLrqParticipantDns	<a href="#">RV_ECS.1.1.1.1.29</a>	Read-write	BOOL	TRUE = the gatekeeper sends LRQ messages to the DNS server.
rvRasConfigurationLrqParticipant Neighbors	<a href="#">RV_ECS.1.1.1.1.30</a>	Read-write	BOOL	TRUE = the gatekeeper sends LRQ messages to the Neighbor Gatekeepers.
rvRasConfigurationLrqParticipantLdap	<a href="#">RV_ECS.1.1.1.1.31</a>	Read-write	BOOL	TRUE = the gatekeeper sends LRQ messages to the LDAP server.
rvRasConfigurationMaxNeighbors Entries*	<a href="#">RV_ECS.1.1.1.1.32</a>	Read-write	Integer 32	The maximum number of entries in the Neighbor Gatekeepers database.
rvRasConfigurationMaxServicesEntries*	<a href="#">RV_ECS.1.1.1.1.33</a>	Read-only	Integer 32	The maximum number of entries in the Services database.

Variable Name	OID	Operation	Syntax	Description
rvRasConfigurationIncreaseTTLBy	<a href="#">RV_ECS.1.1.1.1.34</a>	Read-write	Integer 32	The gatekeeper will wait for a <i>ttl*rvRasConfigurationIncreaseTTLBy</i> keep alive message.
rvRasConfigurationChangeCallingPartyNum	<a href="#">RV_ECS.1.1.1.1.35</a>	Read-write	BOOL	TRUE = change the Calling Party Number on outgoing Setup.
rvRasConfigurationAutoSwitchToDirectOnServiceCall	<a href="#">RV_ECS.1.1.1.1.36</a>	Read-write	BOOL	TRUE = a call to a service will be switched to Routed Mode.
rvRasConfigurationH245Tunneling	<a href="#">RV_ECS.1.1.1.1.37</a>	Read-write	BOOL	TRUE = H.254 tunneling is supported.
rvRasConfigurationGatekeeperIdNumber	<a href="#">RV_ECS.1.1.1.1.38</a>	Read-write	STRING	The Calling Party Number of the gatekeeper. Supported only when <i>rvRasConfigurationChangeCallingPartyNum</i> and third party call control are enabled.
rvRasConfigurationMcuRegOnline*	<a href="#">RV_ECS.1.1.1.1.39</a>	Read-only	Integer 32	The number of MCUs currently registered to the gatekeeper.
rvRasConfigurationGwRegOnline*	<a href="#">RV_ECS.1.1.1.1.40</a>	Read-only	Integer 32	The number of gateways currently registered to the gatekeeper.
rvRasConfigurationEndPointRegOnline*	<a href="#">RV_ECS.1.1.1.1.41</a>	Read-only	Integer 32	The number of terminals currently registered to the gatekeeper.
rvRasConfigurationDefaultMcuPrefixIsConferenceHunting	<a href="#">RV_ECS.1.1.1.1.42</a>	Read-write	BOOL	TRUE = conference hunting is enabled by default with MCU services.

## Object Identifier Abbreviations

Variable Name	OID	Operation	Syntax	Description
rvRasConfigurationAllowedPredefinedToUseDynamicService	<a href="#">RV_ECS.1.1.1.1.43</a>	Read-write	BOOL	TRUE = predefined endpoints are allowed to use dynamic services.
rvRasConfigurationBindToSpecificIPAddress	<a href="#">RV_ECS.1.1.1.1.44</a>	Read-write	BOOL	TRUE = the Gatekeeper will bind to the IP address configured in the next parameter.
rvRasConfigurationSpecificIPAddress	<a href="#">RV_ECS.1.1.1.1.45</a>	Read-write	STRING	The specified IP address to which the Gatekeeper binds.
rvRasConfigurationBlockIPcalls	<a href="#">RV_ECS.1.1.1.1.46</a>	Read-write	Integer 32	Allow calls dialed with an IP address: 1 = always, 2 = by registered endpoints only, 3 = never.
rvRasConfigurationEnableXMLCallControl	<a href="#">RV_ECS.1.1.1.1.47</a>	Read-write	BOOL	TRUE = enable XML control.
rvRasConfigurationUnregisterAllOnECSStartUp	<a href="#">RV_ECS.1.1.1.1.48</a>	Read-write	BOOL	TRUE = the ECS will send an Unregister All message on start up.
rvRasConfigurationProxyEnable	<a href="#">RV_ECS.1.1.1.1.49</a>	Read-write	BOOL	TRUE = enable proxy.
rvRasConfigurationIPAddressList	<a href="#">RV_ECS.1.1.1.1.50</a>	Read-write	STRING	The list of IP addresses to which the Gatekeeper can bind.
rvRasConfigurationSpecificIPAddress2	<a href="#">RV_ECS.1.1.1.1.53</a>	Read-write	STRING	The IP address of the management NIC card that the Gatekeeper binds to.
rvRasConfigurationMaxTTL	<a href="#">RV_ECS.1.1.1.1.54</a>	Read-write	INT	Max TTL interval.
rvRasConfigurationForceTTL	<a href="#">RV_ECS.1.1.1.1.55</a>	Read-write	BOOL	True = enable force TTL.

Variable Name	OID	Operation	Syntax	Description
<b>rvRasConfigurationH450Table</b>	<a href="#">RV_ECS.1.2.1.</a>	Not accessible	SEQUENCE OF rvRasConfigurationTable Entry	This table contains information about rvRasConfigurationH450 parameters. The number of entries equals the number of rvRasConfigurationH450 parameters.
rvRasConfigurationH450Table	<a href="#">RV_ECS.1.2.1.1</a>	None		This table contains objects that describe the RADVISION RAS configuration parameters.
INDEX {ifIndex}				The index of the table.
rvRasConfigurationH450_2Transfer	<a href="#">RV_ECS.1.2.1.1.1</a>	Read-write	BOOL	TRUE = the H.450.2 Call Transfer service is enabled.
rvRasConfigurationH450_3EnableFDB	<a href="#">RV_ECS.1.2.1.1.2</a>	Read-write	BOOL	TRUE = the H.450.3 Activation and Forwarding service is enabled.
rvRasConfigurationH450_3CFB	<a href="#">RV_ECS.1.2.1.1.3</a>	Read-write	BOOL	TRUE = the gatekeeper allows Forwarding on Busy requests.
rvRasConfigurationH450_3CFU	<a href="#">RV_ECS.1.2.1.1.4</a>	Read-write	BOOL	TRUE = the gatekeeper allows Unconditional Forwarding requests.
rvRasConfigurationH450_3CFNR	<a href="#">RV_ECS.1.2.1.1.5</a>	Read-write	BOOL	TRUE = the gatekeeper allows Forwarding on No Response requests.
rvRasConfigurationH450_3CFNR AlertingTO	<a href="#">RV_ECS.1.2.1.1.6</a>	Read-write	Integer 32	The time that the gatekeeper waits for a Connect message to arrive after sending an Alert message.

## Object Identifier Abbreviations

Variable Name	OID	Operation	Syntax	Description
<b>rvRasConfigurationLogTable</b>	<a href="#">RV_ECS.1.3.1.</a>	Not accessible	SEQUENCE OF rvRasConfigurationTableEntry	This table contains a list of rvRasConfigurationLog parameters. The number of entries equals the number of rvRasConfigurationLog parameters.
rvRasConfigurationLogTableEntry	<a href="#">RV_ECS.1.3.1.1</a>	Not accessible		This table contains information about RAS log configuration parameters.
INDEX {ifIndex}				The index of the table.
rvRasConfigurationLogCoreOn	<a href="#">RV_ECS.1.3.1.1.1</a>	Read-write	BOOL	TRUE = activates gatekeeper logging. FALSE = deactivates gatekeeper logging.
rvRasConfigurationLogCoreDebugLevel	<a href="#">RV_ECS.1.3.1.1.2</a>	Read-write	Integer 32	The debug level from 0 to 100.
rvRasConfigurationLogCoreFreeSpace*	<a href="#">RV_ECS.1.3.1.1.3</a>	Read-only	STRING	The available space for the log files (in bytes).
rvRasConfigurationLogCoreSizeFile	<a href="#">RV_ECS.1.3.1.1.4</a>	Read-write	STRING	The size of the log file (in bytes).
rvRasConfigurationLogMCon	<a href="#">RV_ECS.1.3.1.1.5</a>	Read-write	BOOL	TRUE = activates gatekeeper logging in Call Setup (Q.931) and Call Control (H.245) mode. FALSE = deactivates gatekeeper logging in Call Setup (Q.931) and Call Control (H.245) mode.

Variable Name	OID	Operation	Syntax	Description
rvRasConfigurationLogMCFreeSpace*	<a href="#">RV_ECS.1.3.1.1.6</a>	Read-only	STRING	The available space for the log files (in bytes) in Call Setup (Q.931) and Call Control (H.245) mode.
rvRasConfigurationLogMCSizeFile	<a href="#">RV_ECS.1.3.1.1.7</a>	Read-write	STRING	The size of the log file (in bytes) in Call Setup (Q.931) and Call Control (H.245) mode.
rvRasConfigurationLogWindow	<a href="#">RV_ECS.1.3.1.1.8</a>	Read-write	BOOL	TRUE = the log window is displayed.
<b>rvRasConfigurationBillingTable</b>	<a href="#">RV_ECS.1.4.1</a>	Not accessible	SEQUENCE OF rvRasConfigurationTableEntry	This table contains a list of rvRasConfiguration Billing parameters. The number of entries equals the number of rvRasConfiguration Billing parameters.
rvRasConfigurationBillingTableEntry	<a href="#">RV_ECS.1.4.1.1</a>	Not accessible		This table contains objects that describe the RADVISION RAS configuration billing parameters.
INDEX {ifIndex}				The index of the table.
rvRasConfigurationBillingOn	<a href="#">RV_ECS.1.4.1.1.1</a>	Read-write	BOOL	TRUE = the CDR billing mechanism is activated.
rvRasConfigurationBillingWriteToFile	<a href="#">RV_ECS.1.4.1.1.2</a>	Read-write	BOOL	TRUE = the gatekeeper writes CDR billing information to text file.
rvRasConfigurationBillingSendToServer	<a href="#">RV_ECS.1.4.1.1.3</a>	Read-write	BOOL	TRUE = the gatekeeper sends CDR billing information to the billing server.

## Object Identifier Abbreviations

Variable Name	OID	Operation	Syntax	Description
rvRasConfigurationBillingRecordsStatus*	RV_ECS.1.4.1.1.4	Read-only	Integer 32	The number of CDR billing records that the gatekeeper currently holds in a queue.
rvRasConfigurationBillingFileName	RV_ECS.1.4.1.1.5	Read-write	STRING	The CDR file name.
rvRasConfigurationBillingFileExtension	RV_ECS.1.4.1.1.6	Read-write	STRING	The CDR file extension.
rvRasConfigurationBillingFileMaxSize	RV_ECS.1.4.1.1.7	Read-write	STRING	The maximum CDR file size (in bytes).
rvRasConfigurationBillingFileAllocatedSpace*	RV_ECS.1.4.1.1.8	Read-only	STRING	The allocated space for CDR files (in bytes).
rvRasConfigurationBillingServerIpPort	RV_ECS.1.4.1.1.9	Read-write	STRING	The IP address and port of the billing server.
<b>rvRasConfigurationLDAPTable</b>	RV_ECS.1.5.1	Not accessible	SEQUENCE OF rvRasConfigurationLDAPEntry	This table contains a list of rvRasConfigurationLDAP parameters. The number of entries equals the number of rvRasConfigurationLDAP parameters.
rvRasConfigurationLDAPTableEntry	RV_ECS.1.5.1.1	Not accessible		This table contains objects that describe the rvRasConfigurationLDAP parameters.
INDEX {ifIndex}				The index of the table.

Variable Name	OID	Operation	Syntax	Description
rvRasConfigurationLDAPAuthenticateRegOn	<a href="#">RV_ECS.1.5.1.1.1</a>	Read-write	BOOL	TRUE = only endpoints that listed in the LDAP Static Information Tree can register with the gatekeeper. FALSE = the gatekeeper does not check the LDAP server for the details of endpoints attempting to register.
rvRasConfigurationLDAPAuthenticateMaxClients	<a href="#">RV_ECS.1.5.1.1.2</a>	Read-write	Integer 32	The maximum number of concurrent Authenticate operations.
rvRasConfigurationLDAPUpdateRegOn	<a href="#">RV_ECS.1.5.1.1.3</a>	Read-write	BOOL	TRUE = the details of every endpoint that registers with the gatekeeper are stored in the LDAP server.
rvRasConfigurationLDAPUpdateMaxClients	<a href="#">RV_ECS.1.5.1.1.4</a>	Read-write	Integer 32	The maximum number of concurrent Update operations.
rvRasConfigurationLDAPLocateEpMode	<a href="#">RV_ECS.1.5.1.1.5</a>	Read-write	Integer 32	Indicates in which mode the Locate operation takes place: 1= off, 2 = static, 3 = online.
rvRasConfigurationLDAPLocateEpForceRoutedMode	<a href="#">RV_ECS.1.5.1.1.6</a>	Read-write	BOOL	TRUE = the call is routed via the gatekeeper regardless of the Locate operation mode.
rvRasConfigurationLDAPLocateMaxClients	<a href="#">RV_ECS.1.5.1.1.7</a>	Read-write	Integer 32	The maximum number of concurrent Locate operations.
rvRasConfigurationLDAPCacheGkListInterval	<a href="#">RV_ECS.1.5.1.1.8</a>	Read-write	Integer 32	The caching interval of the LDAP Gatekeeper List.

## Object Identifier Abbreviations

Variable Name	OID	Operation	Syntax	Description
rvRasConfigurationLDAPServerHost	<a href="#">RV_ECS.1.5.1.1.9</a>	Read-write	STRING	The location of the LDAP server.
rvRasConfigurationLDAPServerUserName	<a href="#">RV_ECS.1.5.1.1.10</a>	Read-write	STRING	The LDAP server user name.
rvRasConfigurationLDAPServerUserPassword	<a href="#">RV_ECS.1.5.1.1.11</a>	Read-write	STRING	The LDAP server user password.
rvRasConfigurationLDAPServerUserCommand	<a href="#">RV_ECS.1.5.1.1.12</a>	Read-create	RowStatus	4 = binds the client to the LDAP server. 6 = disconnects the client from the LDAP server.
rvRasConfigurationLDAPDeactivationOnError	<a href="#">RV_ECS.1.5.1.1.13</a>	Read-write	BOOL	TRUE = when the LDAP feature does not respond, the gatekeeper works operates without LDAP capabilities.
rvRasConfigurationLDAPIsBindingSuccess*	<a href="#">RV_ECS.1.5.1.1.14</a>	Read-only	Integer 32	Indicates the status of the binding operation binding the client to the LDAP server: 1 = binding successfully completed, 2 = binding failed (after three attempts), 3 = attempting to bind.
rvRasConfigurationLDAPServerDomain	<a href="#">RV_ECS.1.5.1.1.15</a>	Read-write	STRING	The name of the LDAP Tree root node. Default is <i>radvision</i> .
rvRasConfigurationLDAPServerPort	<a href="#">RV_ECS.1.5.1.1.16</a>	Read-write	Integer 32	Indicates the port number used for binding the gatekeeper to the LDAP server.
rvRasConfigurationLDAPEnableRetrieveGkList	<a href="#">RV_ECS.1.5.1.1.17</a>	Read-write	BOOL	TRUE = retrieve the Gatekeeper List.

Variable Name	OID	Operation	Syntax	Description
rvRasConfigurationLDAPAuthenticateNumOfPredefinedAliasOnDHCPMode	<a href="#">RV_ECS.1.5.1.1.18</a>	Read-write	Integer 32	Indicates the maximum number of alias matches that must be successfully made for an endpoint to be able to register to the ECS in DHCP operation mode.
rvRasConfigurationLDAPAuthenticateNumOfPredefinedAliasOnNonDHCPMode	<a href="#">RV_ECS.1.5.1.1.19</a>	Read-write	Integer 32	Indicates the maximum number of alias matches that must be successfully made for an endpoint to be able to register to the ECS in non-DHCP operation mode.
rvRasConfigurationLDAPSchemaType	<a href="#">RV_ECS.1.5.1.1.20</a>	Read-write	Integer 32	1 = RADVISION schema, 2 = H.350 schema.
rvRasConfigurationLDAPH350AuthenticationMode	<a href="#">RV_ECS.1.5.1.1.21</a>	Read-write	Integer 32	1 = none, 2 = H.235 only, 3 = H.235 or H.323-ID alias matching.
rvRasConfigurationLDAPH350EnableAuthorization	<a href="#">RV_ECS.1.5.1.1.22</a>	Read-write	BOOL	TRUE = enable authorization.
rvRasConfigurationLDAPH350RegistrationPolicy	<a href="#">RV_ECS.1.5.1.1.23</a>	Read-write	Integer 32	1 = aliases from LDAP, } 2 = online aliases, 3 = both.
rvRasConfigurationLDAPAuthenticateByIP	<a href="#">RV_ECS.1.5.1.1.24</a>	Read-write	BOOL	TRUE = authenticate also using IP address.
rvRasConfigurationLDAPAliasToE164Active	<a href="#">RV_ECS.1.5.1.1.25</a>	Read-write	BOOL	TRUE = if location was not found in the zone, check in the LDAP for an alternate E.164 address for this alias.
rvRasConfigurationLDAPH350EnableCallerIdPresentation	<a href="#">RV_ECS.1.5.1.1.26</a>	Read-write	BOOL	TRUE = Caller ID Presentation feature is active.

## Object Identifier Abbreviations

Variable Name	OID	Operation	Syntax	Description
<b>rvRasRegistrationTable</b>	<a href="#">RV_ECS.1.6.1.</a>	Not accessible	SEQUENCE OF rvRasRegistrationTableEntry	This table contains information about endpoints that are registered with the Gatekeeper. The number of entries equals the number of registered endpoints.
rvRasRegistrationTableEntry	<a href="#">RV_ECS.1.6.1.1</a>	Not accessible		This table contains objects that describe the endpoints that are registered with the Gatekeeper.
INDEX {ifIndex, rvRasRegistrationCallSignallingAddressTag, rvRasRegistrationCallSignallingAddress, rvRasRegistrationSrcRasAddressTag, rvRasRegistrationSrcRasAddress}				The index of the table.
rvRasRegistrationCallSignallingAddressTag	<a href="#">RAS.2.1.1.1</a>	None	MmTAddressTag	The Call Signaling IP address tag of the endpoint.
rvRasRegistrationCallSignallingAddress	<a href="#">RAS.2.1.1.2</a>	None	TAddress	The Call Signaling IP address of the endpoint.
rvRasRegistrationSrcRasAddressTag	<a href="#">RAS.2.1.1.3</a>	None	MmTAddressTag	The RAS IP address tag of the source endpoint.
rvRasRegistrationSrcRasAddress	<a href="#">RAS.2.1.1.4</a>	None	TAddress	The RAS IP address of the source endpoint.
rvRasRegistrationTableNumberOfSupportedPrefixes*	<a href="#">RV_ECS.1.6.1.1.1</a>	Read-only	Integer 32	The number of gateway prefixes that the endpoint currently supports.
rvRasRegistrationTableNumberOfAllowedPrefixes*	<a href="#">RV_ECS.1.6.1.1.2</a>	Read-only	Integer 32	The maximum number of gateway prefixes that the endpoint can support.

Variable Name	OID	Operation	Syntax	Description
rvRasRegistrationEndpointStatus*	<a href="#">RV_ECS.1.6.1.1.3</a>	Read-only	Integer 32	1 = static registration, 2 = dynamic registration, 3 = static and dynamic, 4 = forced dynamic.
rvRasRegistrationTimeOfRegistration*	<a href="#">RV_ECS.1.6.1.1.4</a>	Read-only	DateAndTime	The date and time of registration (for online endpoints only).
rvRasRegistrationTimeToLive*	<a href="#">RV_ECS.1.6.1.1.5</a>	Read-only	Integer 32	TTL in seconds (for online endpoints only).
rvRasRegistrationAdmittedCalls*	<a href="#">RV_ECS.1.6.1.1.6</a>	Read-only	Integer 32	The number of calls with which the endpoint is currently engaged.
rvRasRegistrationE164Forward	<a href="#">RV_ECS.1.6.1.1.7</a>	Read-write	MmAlias Address	The alias of a specified simple forward e.164 addresses (for predefined endpoints only).
rvRasRegistrationH323IdForward	<a href="#">RV_ECS.1.6.1.1.8</a>	Read-write	MmAlias Address	The alias of a specified simple forward H.323 identifier (for predefined endpoints only).
rvRasRegistrationPredefEndpointType	<a href="#">RV_ECS.1.6.1.1.9</a>	Read-write	Integer 32	The type of H.323 terminal (for predefined endpoints only): 50 = terminal, 60 = gateway, 120 = gatekeeper, 160 = MCU.
rvRasRegistrationPredefNumberOfAliases*	<a href="#">RV_ECS.1.6.1.1.10</a>	Read-only	Integer 32	The number of alias addresses for the endpoint (for predefined endpoints only).

## Object Identifier Abbreviations

Variable Name	OID	Operation	Syntax	Description
rvRasRegistrationForceToOnlineStatus	<a href="#">RV_ECS.1.6.1.1.11</a>	Read-write	BOOL	TRUE = the gatekeeper considers a predefined endpoint to be registered, active and ready to receive calls.
rvRasRegistrationEpDelete	<a href="#">RV_ECS.1.6.1.1.12</a>	Read-create	RowStatus	6 = the gatekeeper deletes the specified endpoint from the Registration Table.
rvRasRegistrationRemovePreData	<a href="#">RV_ECS.1.6.1.1.13</a>	Read-create	RowStatus	6 = the gatekeeper deletes the predefined data of the specified endpoint from the Registration Table.
rvRasRegistrationIndexOfReg*	<a href="#">RV_ECS.1.6.1.1.14</a>	Read-only	Integer 32	The index of the registration.
rvRasRegistrationRasIpAddress	<a href="#">RV_ECS.1.6.1.1.15</a>	Read-write	TAddress	The static RAS IP address of a specified endpoint. If the endpoint is not static, an empty string will be returned.
rvRasRegistrationEndpointURL*	<a href="#">RV_ECS.1.6.1.1.16</a>	Read-only	STRING	The endpoint URL.
rvRasRegistrationEndpointAdditionalInformation*	<a href="#">RV_ECS.1.6.1.1.17</a>	Read-only	STRING	Additional information about the endpoint.
rvRasRegistrationAllowedBw	<a href="#">RV_ECS.1.6.1.1.18</a>	Read-only	Integer 32	Indicates the allowed bandwidth for the specified endpoint.
rvRasRegistrationEpGroups	<a href="#">RV_ECS.1.6.1.1.19</a>	Read-only	STRING	The list of groups to which the specified endpoint belongs.
rvRasRegistrationEpSubzones	<a href="#">RV_ECS.1.6.1.1.20</a>	Read-only	STRING	The subzone to which the specified endpoint belongs.

Variable Name	OID	Operation	Syntax	Description
rvRasRegistrationAllowMakingCalls	<a href="#">RV_ECS.1.6.1.1.21</a>	Read-only	BOOL	TRUE = if the group module is enabled, indicates whether or not the endpoint is allowed to make calls.
rvRasRegistrationAllowReceivingCalls	<a href="#">RV_ECS.1.6.1.1.22</a>	Read-only	BOOL	TRUE = if the group module is enabled, indicates whether or not the endpoint is allowed to receive calls.
rvRasRegistrationUseOnlyPredefinedAliases	<a href="#">RV_ECS.1.6.1.1.24</a>	Read-write	BOOL	TRUE = use only predefined aliases for predefined endpoint authentication.
<b>rvRasRegistrationAliasTable</b>	<a href="#">RV_ECS.1.6.2</a>	Not accessible	SEQUENCE OF rvRasRegistrationAliasTableEntry	This table contains information about registered endpoint aliases. The number of entries is equal to the total number of all aliases for all registered endpoints.
rvRasRegistrationAliasTableEntry	<a href="#">RV_ECS.1.6.2.1</a>	Not accessible		This table contains a unique alias for each registered endpoint.
INDEX {ifIndex, rvRasRegistrationCallSignallingAddressTag, rvRasRegistrationCallSignallingAddress, rvRasRegistrationAliasTableIndex }				The index of the table.
rasRegistrationCallSignallingAddressTag	<a href="#">RAS.2.1.1.1</a>	Not accessible	MmTAddressTag	The transport address tag of the endpoint.

## Object Identifier Abbreviations

Variable Name	OID	Operation	Syntax	Description
rasRegistrationCallSignallingAddress	<a href="#">RAS.2.1.1.2</a>	Not accessible	TAddress	The endpoint Call Signaling address.
rvRasRegistrationAliasTableIndex	<a href="#">RV_ECS.1.6.2.1.1</a>	None	Integer 32	An arbitrary index to the table. The index 1 is set to the first alias for every given RAS address. The index increases by one for each subsequent alias of the same RAS address. The last index for a particular RAS address is equal to the total number of aliases for that endpoint.
rvRasRegistrationAliasTag	<a href="#">RV_ECS.1.6.2.1.2</a>	Read-write	MmAliasTag	The alias tag of the predefined endpoint.
rvRasRegistrationAlias	<a href="#">RV_ECS.1.6.2.1.3</a>	Read-write	MmAlias Address	The alias of the predefined endpoint.
rvRasRegistrationAliasRowStatus	<a href="#">RV_ECS.1.6.2.1.4</a>	Read-create	RowStatus	The row status of the entry. This object is required to create or delete rows remotely by a manager.
rvRasRegistrationUseAsCallingParty Number	<a href="#">RV_ECS.1.6.2.1.5</a>	Read-write	BOOL	TRUE = use this alias to replace the Calling Party Number in outgoing Setup.
<b>rvRasRegistrationSupportedPrefixes Table</b>	<a href="#">RV_ECS.1.6.3</a>	Not accessible	SEQUENCE OF rvRasgkSupportedGWPrefixesTableEntry	This table contains information about registered endpoint supported prefixes. The number of entries equals the sum of all supported prefixes for all registered endpoints.

Variable Name	OID	Operation	Syntax	Description
rvRasRegistrationSupportedPrefixes TableEntry	<a href="#">RV_ECS.1.6.3.1</a>	Not accessible		This table a unique alias for each registered endpoint.
INDEX {ifIndex, rvRasRegistrationCallSignalling AddressTag, rvRasRegistrationCallSignalling Address, rvRasRegistrationSupportedPrefixes TableIndex }				The index of the table.
rasRegistrationCallSignallingAddress Tag	<a href="#">RAS.2.1.1.1</a>	Not accessible	MmTAddress Tag	The transport address tag of the endpoint.
rasRegistrationCallSignallingAddress	<a href="#">RAS.2.1.1.2</a>	Not accessible	TAddress	The endpoint Call Signaling address.
rvRasRegistrationSupportedPrefixes TableIndex	<a href="#">RV_ECS.1.6.3.1.1</a>	None	UINT32	An arbitrary index to this table. The index 1 is set to the first gateway prefix for every given RAS address. The index increases by one for each subsequent gateway prefix of the same RAS address. The last index for a particular RAS address is equal to the total number of services for that endpoint.
rvRasRegistrationSupportedPrefixes Prefix*	<a href="#">RV_ECS.1.6.3.1.2</a>	Read-only	STRING	The prefix of a specified supported prefix.
rvRasRegistrationSupportedPrefixes Description*	<a href="#">RV_ECS.1.6.3.1.3</a>	Read-only	STRING	The description of a specified supported prefix.
rvRasRegistrationSupportedPrefixes Status*	<a href="#">RV_ECS.1.6.3.1.4</a>	Read-only	UINT32	Indicates the status of a supported prefix: 1 = online, 2 = predefined.

## Object Identifier Abbreviations

Variable Name	OID	Operation	Syntax	Description
rvRasRegistrationSupportedPrefixesTag*	<a href="#">RV_ECS.1.6.3.1.5</a>	Read-only	BOOL	Indicates the tag of a supported prefix. See <a href="#">MmAliasTag</a> on page 1.
<b>rvRasRegistrationAllowedPrefixes Table</b>	<a href="#">RV_ECS.1.6.4</a>	Not accessible	SEQUENCE OF rvRasgkAllowedPrefixesTableEntry	This table contains information about registered endpoint allowed prefixes. The number of entries equals the sum of all allowed prefixes for all registered endpoints.
rvRasRegistrationAllowedPrefixesTableEntry	<a href="#">RV_ECS.1.6.4.1</a>	Not accessible		This table contains a unique alias for each registered endpoint.
INDEX {ifIndex, rvRasRegistrationCallSignallingAddressTag, rvRasRegistrationCallSignallingAddress, rvRasRegistrationAllowedPrefixesTag, rvRasRegistrationAllowedPrefixesLength, rvRasRegistrationAllowedPrefixesPrefix }				The index of the table.
rasRegistrationCallSignallingAddressTag	<a href="#">RAS.2.1.1.1</a>	Not accessible	MmTAddressTag	The transport address tag of the endpoint.
rasRegistrationCallSignallingAddress	<a href="#">RAS.2.1.1.2</a>	Not accessible	TAddress	The endpoint Call Signaling address.
rvRasRegistrationAllowedPrefixesTag	<a href="#">RV_ECS.1.6.4.1.1</a>	None	MmAliasTag	The tag of a specified allowed prefix.
rvRasRegistrationAllowedPrefixesLength	<a href="#">RV_ECS.1.6.4.1.2</a>	None	Integer 32	The length of a specified allowed prefix string.
rvRasRegistrationAllowedPrefixesPrefix	<a href="#">RV_ECS.1.6.4.1.3</a>	None	MmAliasAddress	The prefix a specified allowed prefix.

Variable Name	OID	Operation	Syntax	Description
rvRasRegistrationAllowedPrefixesDescription*	<a href="#">RV_ECS.1.6.4.1.4</a>	Read-only	STRING	The description of a specified allowed prefix.
rvRasRegistrationAllowedPrefixesStatus*	<a href="#">RV_ECS.1.6.4.1.5</a>	Read-only	Integer 32	Indicates the status of the allowed prefix registration: 1 = online, 2 = predefined.
rvRasRegistrationAllowedPrefixesAllowedFlag*	<a href="#">RV_ECS.1.6.4.1.6</a>	Read-only	BOOL	TRUE = service allowed, FALSE = service not allowed.
rvRasRegistrationAllowedPrefixesRowStatus	<a href="#">RV_ECS.1.6.4.1.7</a>	Read-create	RowStatus	The row status of the entry. This object is required to create or delete rows remotely by a manager.
<b>rvRasRegistrationAllowedBuiltInServicesTable</b>	<a href="#">RV_ECS.1.6.5</a>	Not accessible	SEQUENCE OF rvRasRegistrationAllowedBuiltInServicesTableEntry	This table contains information about registered endpoint allowed built-in services. The number of entries equals the sum of all allowed built-in services for all registered endpoints.
rvRasRegistrationAllowedBuiltInServicesTableEntry	<a href="#">RV_ECS.1.6.5.1</a>	Not accessible		This table contains information about allowed built-in services.
INDEX {ifIndex, rvRasRegistrationCallSignallingAddressTag, rvRasRegistrationCallSignallingAddress, rvRasRegistrationAllowedBuiltInServicesTableIndex }				The index of the table.
rasRegistrationCallSignallingAddressTag	<a href="#">RAS.2.1.1.1</a>	Not accessible	MmTAddress Tag	The transport address tag of the endpoint.

## Object Identifier Abbreviations

Variable Name	OID	Operation	Syntax	Description
rasRegistrationCallSignallingAddress	<a href="#">RAS.2.1.1.2</a>	Not accessible	TAddress	The endpoint Call Signaling address.
rvRasRegistrationAllowedBuiltInServicesTableIndex	<a href="#">RV_ECS.1.6.5.1.1</a>	None		An arbitrary index to this table.
rvRasRegistrationAllowedBuiltInServicesPrefix	<a href="#">RV_ECS.1.6.5.1.2</a>	Read-write	STRING	The prefix of a specified built-in service.
rvRasRegistrationAllowedBuiltInServicesDescription*	<a href="#">RV_ECS.1.6.5.1.3</a>	Read-only	STRING	The description of a specified built-in service.
rvRasRegistrationAllowedBuiltInServicesAllowedFlag*	<a href="#">RV_ECS.1.6.5.1.4</a>	Read-only	BOOL	TRUE = service allowed, FALSE = service not allowed.
rvRasRegistrationAllowedBuiltInServicesRowStatus	<a href="#">RV_ECS.1.6.5.1.5</a>	Read-create	RowStatus	The row status of the entry. This object is required to create or delete rows remotely by a manager.
<b>rvRasAdmissionTable</b>	<a href="#">RV_ECS.1.7.1</a>	Not accessible	SEQUENCE OF rvRasRegistrationCallSignalingTableEntry	This table contains information about endpoints that have been admitted by the gatekeeper. The number of entries equals the number of admitted endpoints.
rvRasAdmissionTableEntry	<a href="#">RV_ECS.1.7.1.1</a>	Not accessible		This table contains objects that describe endpoints that have been admitted by the gatekeeper.
INDEX {ifIndex, rvRasAdmissionSrcCallSignalingAddress, rvRasAdmissionRasAddress, rvRasAdmissionCallIdentifier}				The index of the table.

Variable Name	OID	Operation	Syntax	Description
rvRasAdmissionSrcCallSignallingAddress	<a href="#">RAS.3.1.1.2</a>	None	TAddress	The Call Signaling address of the caller.
rvRasAdmissionRasAddress	<a href="#">RAS.3.1.1.8</a>	None	TAddress	The RAS address of the caller.
rvRasAdmissionCallIdentifier	<a href="#">RAS.3.1.1.5</a>	None	MmGlobalIdentifier	The call identifier.
rvRasAdmissionAdditionalAliasTag*	<a href="#">RV_ECS.1.7.1.1.1</a>	Read-only	MmAliasTag	The tag of the additional alias.
rvRasAdmissionAdditionalAlias*	<a href="#">RV_ECS.1.7.1.1.2</a>	Read-only	MmAliasAddress	The additional alias.
rvRasAdmissionRemoteAliasTag*	<a href="#">RV_ECS.1.7.1.1.3</a>	Read-only	MmAliasTag	The tag of the remote alias.
rvRasAdmissionRemoteAlias*	<a href="#">RV_ECS.1.7.1.1.4</a>	Read-only	MmAliasAddress	The alias of the called endpoint on the remote LAN in calls between multiple gateways.
rvRasAdmissionServiceValue*	<a href="#">RV_ECS.1.7.1.1.5</a>	Read-only	STRING	The value of the service when the call is a service call.
rvRasAdmissionSourceRequestedBw*	<a href="#">RV_ECS.1.7.1.1.6</a>	Read-only	Integer 32	The bandwidth requested by the source endpoint.
rvRasAdmissionSourceApprovedBw*	<a href="#">RV_ECS.1.7.1.1.7</a>	Read-only	Integer 32	The bandwidth approved by the source endpoint.
rvRasAdmissionDestRequestedBw*	<a href="#">RV_ECS.1.7.1.1.8</a>	Read-only	Integer 32	The bandwidth requested by the destination endpoint.
rvRasAdmissionDestApprovedBw*	<a href="#">RV_ECS.1.7.1.1.9</a>	Read-only	Integer 32	The bandwidth approved by the destination endpoint.
rvRasAdmissionIndexCall*	<a href="#">RV_ECS.1.7.1.1.10</a>	Read-only	Integer 32	The index to the call.

## Object Identifier Abbreviations

Variable Name	OID	Operation	Syntax	Description
rvRasAdmissionSourceEndpointType*	<a href="#">RV_ECS.1.7.1.1.11</a>	Read-only	Integer 32	Indicates the type of H.323 source terminal: 0 = undefined, 50 = terminal (without MC), 60 = gateway (without MC), 120 = gatekeeper (with MC but without MP), 160 = MCU (with MC but without MP).
rvRasAdmissionDestEndpointType*	<a href="#">RV_ECS.1.7.1.1.12</a>	Read-only	Integer 32	Indicates the type of H.323 destination terminal: 0 = undefined, 50 = terminal (without MC), 60 = gateway (without MC), 120 = gatekeeper (with MC but without MP), 160 = MCU (with MC but without MP).
rvRasAdmissionMCUConferenceID	<a href="#">RV_ECS.1.7.1.1.13</a>	Read-only	STRING	If the specified MCU conference exists, returns IP:conference ID.
<b>rvRasPrefixesTable</b>	<a href="#">RV_ECS.1.8.1</a>	Not accessible	SEQUENCE OF rvRasPrefixesTableEntry	This table contains a list of prefix entries.
rvRasPrefixesTableEntry	<a href="#">RV_ECS.1.8.1.1</a>	Not accessible	y	This table contains objects that describe the registered endpoint.
INDEX {ifIndex, rvRasPrefixesPrefixTag, rvRasPrefixesLength, rvRasPrefixesPrefix }				The index of the table.

Variable Name	OID	Operation	Syntax	Description
rvRasPrefixesPrefixTag	<a href="#">RV_ECS.1.8.1.1.1</a>	None	MmAliasTag	The tag of a specified prefix.
rvRasPrefixesLength	<a href="#">RV_ECS.1.8.1.1.2</a>	None	Integer 32	The length of a specified prefix.
rvRasPrefixesPrefix	<a href="#">RV_ECS.1.8.1.1.3</a>	None	MmAlias Address	The prefix of a specified service.
rvRasPrefixesDescription	<a href="#">RV_ECS.1.8.1.1.4</a>	Read-write	STRING	The description of the service.
rvRasPrefixesStatus*	<a href="#">RV_ECS.1.8.1.1.5</a>	Read-only	Integer 32	Indicates the status of the specified prefix: 1 = online, 2 = predefined, 3 = both.
rvRasPrefixesPublic	<a href="#">RV_ECS.1.8.1.1.6</a>	Read-write	BOOL	TRUE = the gatekeeper makes the service accessible to endpoints from other zones.
rvRasPrefixesDefault	<a href="#">RV_ECS.1.8.1.1.7</a>	Read-write	BOOL	TRUE = the gatekeeper makes the service a default and accessible to all endpoints that are not predefined in the zone.
rvRasPrefixesMcu	<a href="#">RV_ECS.1.8.1.1.8</a>	Read-write	BOOL	TRUE = the gatekeeper makes the service an MCU service.
rvRasPrefixesRowStatus	<a href="#">RV_ECS.1.8.1.1.9</a>	Read-create	RowStatus	The row status of the entry. This object is required create or delete rows remotely by a manager.
rvRasPrefixesIsGlobalService*	<a href="#">RV_ECS.1.8.1.1.10</a>	Read-only	BOOL	TRUE = the specified service is a global service.

## Object Identifier Abbreviations

Variable Name	OID	Operation	Syntax	Description
<b>rvRasBuiltInServicesTable</b>	<a href="#">RV_ECS.1.9.1</a>	Not accessible	SEQUENCE OF rvRasBuiltInServicesTableEntry	This table contains a list of built-in service entries.
rvRasBuiltInServicesTableEntry	<a href="#">RV_ECS.1.9.1.1</a>	Not accessible		This table contains objects that describe the gatekeeper built-in services.
INDEX {ifIndex, rvRasBuiltInServicesIndex }				The index of the table.
rvRasBuiltInServicesIndex	<a href="#">RV_ECS.1.9.1.1.1</a>	None	Integer 32	An arbitrary index to this table.
rvRasBuiltInServicesPrefix	<a href="#">RV_ECS.1.9.1.1.2</a>	Read-write	STRING	The prefix of the specified built-in service.
rvRasBuiltInServicesDescription*	<a href="#">RV_ECS.1.9.1.1.3</a>	Read-only	STRING	The description of the specified built-in service.
rvRasBuiltInServicesDefault	<a href="#">RV_ECS.1.9.1.1.4</a>	Read-write	BOOL	TRUE = the gatekeeper makes the service a default and accessible to all endpoints that are not predefined in the zone.
rvRasBuiltInServicesPublic	<a href="#">RV_ECS.1.9.1.1.5</a>	Read-write	BOOL	TRUE = the gatekeeper makes the service a default and accessible to all endpoints that are not predefined in the zone.
<b>rvRasNeighborTable</b>	<a href="#">RV_ECS.1.10.1</a>	Not accessible	SEQUENCE OF rvRasNeighborTableEntry	This table contains information about Neighbor Gatekeepers.
rvRasNeighborTableEntry	<a href="#">RV_ECS.1.10.1.1</a>	Not accessible		This table contains objects that describe Neighbor Gatekeepers.

Variable Name	OID	Operation	Syntax	Description
INDEX {ifIndex, rvRasNeighborTableIndex }				The index of the table.
rvRasNeighborTableIndex	<a href="#">RV_ECS.1.10.1.1.1</a>	None	Integer 32	An arbitrary index to this table.
rvRasNeighborTablePrefix	<a href="#">RV_ECS.1.10.1.1.2</a>	Read-write	STRING	The prefix of the specified Neighbor Gatekeeper.
rvRasNeighborDescription	<a href="#">RV_ECS.1.10.1.1.3</a>	Read-write	STRING	The description of the specified Neighbor Gatekeeper.
rvRasNeighborIpAddress	<a href="#">RV_ECS.1.10.1.1.4</a>	Read-write	TAddress	The IP address of the specified Neighbor Gatekeeper.
rvRasNeighborRowStatus	<a href="#">RV_ECS.1.10.1.1.5</a>	Read-create	RowStatus	The row status of the entry. This object is required to create or delete rows remotely by a manager.
rvRasNeighborFromLdapServer*	<a href="#">RV_ECS.1.10.1.1.6</a>	Read-only	BOOL	TRUE = the details of the specified Neighbor Gatekeeper have been taken from the LDAP server.
rvRasNeighborProxyCall	<a href="#">RV_ECS.1.10.1.1.7</a>	Read-write	BOOL	TRUE = the specified call passes through the Cisco Proxy.
rvRasNeighborFromCentralDb*	<a href="#">RV_ECS.1.10.1.1.8</a>	Read-only	BOOL	TRUE = the details of the specified Neighbor Gatekeeper have been taken from the Central Database.
rvRasNeighborIdentifier	<a href="#">RV_ECS.1.10.1.1.9</a>	Read-write	STRING	The identifier of the specified Neighbor Gatekeeper.

## Object Identifier Abbreviations

Variable Name	OID	Operation	Syntax	Description
<b>rvRasTopologyIslandTable</b>	<a href="#">RV_ECS.1.11.1</a>	Not accessible	SEQUENCE OF rvRasTopologyIslandTableEntry	This table contains information about Gatekeeper Topology Islands. The number of entries equals the number of Islands.
rvRasTopologyIslandTableEntry	<a href="#">RV_ECS.1.11.1.1</a>	Not accessible		This table contains objects that describe the Topology Islands.
INDEX {ifIndex, rvRasTopologyIslandIdentifier, rvRasTopologyIslandsComponentsSubnetIp, rvRasTopologyIslandsComponentsSubnetMask}				The index of the table.
rvRasTopologyIslandIdentifier	<a href="#">RV_ECS.1.11.1.1.1</a>	None	Integer 32	The identifier of the specified Topology Island.
rvRasTopologyIslandsComponentsSubnetIp	<a href="#">RV_ECS.1.11.1.1.2</a>	None	STRING	The subnet IP address of the Topology Island component.
rvRasTopologyIslandsComponentsSubnetMask	<a href="#">RV_ECS.1.11.1.1.3</a>	None	STRING	The subnet mask of the Topology Island component.
rvRasTopologyIslandComponentsDescription	<a href="#">RV_ECS.1.11.1.1.4</a>	Read-write	STRING	The description of the Topology Island component.
rvRasTopologyIslandSize*	<a href="#">RV_ECS.1.11.1.1.5</a>	Read-only	Integer 32	The number of subnets for the Topology Island.
rvRasTopologyIslandRowStatus	<a href="#">RV_ECS.1.11.1.1.6</a>	Read-create	RowStatus	The row status of the entry. This object is required or delete rows remotely by a manager.

Variable Name	OID	Operation	Syntax	Description
<b>rvRasForwardingDBTable</b>	<a href="#">RV_ECS.1.12.1</a>	Not accessible	SEQUENCE OF rvRasForwardingDBTableEntry	This table contains objects that describe the Forwarding database.
rvRasForwardingDBTableEntry	<a href="#">RV_ECS.1.12.1.1</a>	Not accessible		This table contains a list of Forwarding database entries.
INDEX {ifIndex, rvRasForwardingDBAliasFromTagOfTag, rvRasForwardingDBAliasFromTag, rvRasForwardingDBAliasFromLength, rvRasForwardingDBAliasFrom, rvRasForwardingDBCondition}				The index of this table.
rvRasForwardingDBAliasFromTagOfTag	<a href="#">RV_ECS.1.12.1.1.1</a>	None	Integer 32	1 = mmAliasTag, 2 = mmTAdressTag.
rvRasForwardingDBAliasFromTag	<a href="#">RV_ECS.1.12.1.1.2</a>	None	MmAliasTag	The tag of the source alias in the Forwarding database. See <a href="#">MmAliasTag</a> on page 1.
rvRasForwardingDBAliasFromLength	<a href="#">RV_ECS.1.12.1.1.3</a>	None	Integer 32	The length of the source alias in the Forwarding database.
rvRasForwardingDBTableAliasFrom	<a href="#">RV_ECS.1.12.1.1.4</a>	None	MmAliasAddress	The source alias in the Forwarding database.
rvRasForwardingDBCondition	<a href="#">RV_ECS.1.12.1.1.5</a>	None	Integer 32	1 = Unconditional forwarding, 2 = Forward On Busy, 3 = Forward On No Answer, 4 = not found, 5 = resource problem.

## Object Identifier Abbreviations

Variable Name	OID	Operation	Syntax	Description
rvRasForwardingDBTableAliasToTagOfTag	<a href="#">RV_ECS.1.12.1.1.6</a>	Read-create	Integer 32	1 = mmAliasTag, 2 = mmTAddressTag.
rvRasForwardingDBTableAliasToTag	<a href="#">RV_ECS.1.12.1.1.7</a>	Read-create	MmAliasTag	The tag of the destination alias in the Forwarding database. See <a href="#">MmAliasTag</a> on page 1.
rvRasForwardingDBTableAliasTo	<a href="#">RV_ECS.1.12.1.1.8</a>	Read-create	MmAlias Address	The destination alias in the Forwarding database.
rvRasForwardingToRemoteExtTag	<a href="#">RV_ECS.1.12.1.1.9</a>	Read-create	MmAliasTag	The tag of the remote extension.
rvRasForwardingToRemoteExt	<a href="#">RV_ECS.1.12.1.1.10</a>	Read-create	MmAlias Address	The remote extension.
rvRasForwardingDBTableRowStatus	<a href="#">RV_ECS.1.12.1.1.11</a>	Read-create	RowStatus	The row status of the entry. This object is required to create or delete rows remotely by a manager.
rvRasForwardingDBTableDestType	<a href="#">RV_ECS.1.12.1.1.12</a>	Read-create	Integer 32	1 = alias, 2 = service prefix, 3 = ISDN bypass, 4 = reject.
rvRasForwardingDBTableServicePrefix	<a href="#">RV_ECS.1.12.1.1.13</a>	Read-create	STRING	Indicates the service prefix.
rvRasForwardingDBTableISDNBypass	<a href="#">RV_ECS.1.12.1.1.14</a>	Read-create	STRING	Indicates the access number to the remote ISDN gateway.
<b>rvRasConfigurationForwardingTable</b>	<a href="#">RV_ECS.1.12.2</a>	Not accessible	SEQUENCE OF rvRasConfigurationForwardingEntry	This table contains a list of rvRasConfigurationForwarding parameters.

Variable Name	OID	Operation	Syntax	Description
rvRasConfigurationForwardingTable Entry	<a href="#">RV_ECS.1.12.2.1</a>	Not accessible		Contains objects that describe the rvRasConfigurationForwarding parameters.
INDEX {ifIndex}				The index of the table. A unique value for each interface. Its value ranges between 1 and the value of ifNumber. The value for each interface must remain constant at least from one re-initialization of the entity's network management system to the next re-initialization.
rvRasConfigurationForwardingMax Entries*	<a href="#">RV_ECS.1.12.2.1.1</a>	Read-only	Integer 32	Indicates the maximum number of entries allowed in the Forwarding Table.
rvRasConfigurationForwardingWc	<a href="#">RV_ECS.1.12.2.1.2</a>	Read-write	STRING	Indicates the Wildcard in use.
rvRasConfigurationForwardingFixedWc	<a href="#">RV_ECS.1.12.2.1.3</a>	Read-write	STRING	Indicates the fixed Wildcard.
rvRasConfigurationForwardingDelimiter Wc	<a href="#">RV_ECS.1.12.2.1.4</a>	Read-write	STRING	Indicates the delimiter for a predefined Wildcard.
<b>rvRasMiscellaneousTable</b>	<a href="#">RV_ECS.1.13.1</a>	Not accessible	SEQUENCE OF rvRasMiscellaneousTable Entry	This table contains a list of rvRasMiscellaneous parameters. The total number of entries is equal to the number of rvRasMiscellaneous parameters.

## Object Identifier Abbreviations

Variable Name	OID	Operation	Syntax	Description
rvRasMiscellaneousTableEntry	<a href="#">RV_ECS.1.13.1.1</a>	Not accessible		This table contains objects that describe the rvRasMiscellaneous parameters.
INDEX {ifIndex}				The index of the table.
rvRasMiscellaneousGkApplicationVersion*	<a href="#">RV_ECS.1.13.1.1.1</a>	Read-only	STRING	The version of the gatekeeper application.
rvRasMiscellaneousStackVersion*	<a href="#">RV_ECS.1.13.1.1.2</a>	Read-only	STRING	The version of the RADVISION H.323 Stack.
rvRasMiscellaneousGkCoreVersion*	<a href="#">RV_ECS.1.13.1.1.3</a>	Read-only	STRING	The version of the RADVISION H.323 Gatekeeper Core.
rvRasMiscellaneousRvMibVersion*	<a href="#">RV_ECS.1.13.1.1.4</a>	Read-only	STRING	The version of the MIB.
rvRasMiscellaneousSoftwareLicenseKey*	<a href="#">RV_ECS.1.13.1.1.5</a>	Read-only	STRING	The license key of the gatekeeper.
rvRasMiscellaneousLicenseRegistrations*	<a href="#">RV_ECS.1.13.1.1.6</a>	Read-only	Integer 32	The maximum number of registrations permitted by the gatekeeper license.
rvRasMiscellaneousLicenseCalls*	<a href="#">RV_ECS.1.13.1.1.7</a>	Read-only	Integer 32	The maximum number of calls permitted by the gatekeeper license.
rvRasMiscellaneousLastRegsChangedTime*	<a href="#">RV_ECS.1.13.1.1.8</a>	Read-only	Integer 32	Indicates the time at which the Registration Table was last modified.
rvRasMiscellaneousLastCallsChangedTime*	<a href="#">RV_ECS.1.13.1.1.9</a>	Read-only	Integer 32	Indicates the time at which the Calls Table was last modified.
rvRasMiscellaneousGkRestart	<a href="#">RV_ECS.1.13.1.1.10</a>	Read-create	RowStatus	6 = restart the gatekeeper.
rvRasMiscellaneousLicenceOk*	<a href="#">RV_ECS.1.13.1.1.11</a>	Read-only	BOOL	TRUE = the gatekeeper license is valid.

Variable Name	OID	Operation	Syntax	Description
rvRasMiscellaneousWebBlockSizeOfReg	<a href="#">RV_ECS.1.13.1.1.12</a>	Read-write	Integer 32	Gets/sets the number of registrations which appear on one web page.
rvRasMiscellaneousWebBlockSizeOfCalls	<a href="#">RV_ECS.1.13.1.1.13</a>	Read-write	Integer 32	Gets/sets the number of calls which appear on one web page.
rvRasMiscellaneousNumDaysToExpire*	<a href="#">RV_ECS.1.13.1.1.14</a>	Read-only	Integer 32	-3 = the 14-day license is for a Secondary gatekeeper as a standalone master only. -2 = the license is invalid -1 = the license has no expiry date. 0 = the license expiry date has passed. 1-30 = the number of days remaining until the license expiry date.
rvRasMiscellaneousRegDBRebuild	<a href="#">RV_ECS.1.13.1.1.15</a>	Read-create	RowStatus	4 = rebuild the Registrations database.
rvRasMiscellaneousCallsDBRebuild	<a href="#">RV_ECS.1.13.1.1.16</a>	Read-create	RowStatus	4 = rebuild the Calls database.
rvRasMiscellaneousFwdDBRebuild	<a href="#">RV_ECS.1.13.1.1.17</a>	Read-create	RowStatus	4 = rebuild the Forwarding database.
rvRasMiscellaneousLastOperationIndication*	<a href="#">RV_ECS.1.13.1.1.18</a>	Read-only	Integer 32	1 = success, 2 = failure.
rvRasMiscellaneousWebReloadRegs	<a href="#">RV_ECS.1.13.1.1.19</a>	Read-write	BOOL	TRUE = reload if the number of registrations changes.
rvRasMiscellaneousWebReloadCalls	<a href="#">RV_ECS.1.13.1.1.20</a>	Read-write	BOOL	TRUE = reload if the number of calls changes.

## Object Identifier Abbreviations

Variable Name	OID	Operation	Syntax	Description
rvRasMiscellaneousLicenseFlags*	<a href="#">RV_ECS.1.13.1.1.21</a>	Read-only	Integer 32	Bit interpretation (where Bit 1 is the Least Significant Bit)— Bit 1: TRUE = CRS enabled, FALSE = disabled. Bit 2: TRUE = Dial Plan enabled, FALSE = disabled. Bit 3: TRUE = Primary Gatekeeper, FALSE = Secondary Gatekeeper. Bit 4: TRUE = firewall enabled, FALSE = disabled. Bit 5: TRUE = Third Party Call Control enabled, FALSE = disabled. Bit 6: TRUE = enable the use of Child Gatekeepers, FALSE = Child Gatekeepers not allowed.
rvRasMiscellaneousGkCfgSaveToFlash	<a href="#">RV_ECS.1.13.1.1.22</a>	Read-write	Integer 32	1 = save configuration to flash (not supported in Windows).
rvRasMiscellaneousInitStackLog	<a href="#">RV_ECS.1.13.1.1.23</a>	Read-write	BOOL	1= initialize the stack log, 2 = close the stack log.
rvRasMiscellaneousRandomKey	<a href="#">RV_ECS.1.13.1.1.24</a>	Read-write	STRING	Indicates the random key string.
rvRasMiscellaneousMacAddress	<a href="#">RV_ECS.1.13.1.1.26</a>	Read-only	STRING	Indicates the MAC address.
rvRasMiscellaneousVisibleFeatures	<a href="#">RV_ECS.1.13.1.1.27</a>	Read-only	Integer 32	The bits interpretation for visible features

Variable Name	OID	Operation	Syntax	Description
<b>rvRasQueryInformationTable</b>	<a href="#">RV_ECS.1.14.1</a>	Not accessible	SEQUENCE OF rvRasQueryInformationEntry	This table contains a list of rvRasQueryInformation parameters. The number of entries equals the number of rvRasQueryInformation parameters.
rvRasQueryInformationTableEntry	<a href="#">RV_ECS.1.14.1.1</a>	Not accessible		This table contains objects that describe the rvRasQueryInformation parameters.
INDEX {ifIndex, rvRasQueryInformationTagOfQuery, rvRasQueryInformationTagOfValue, rvRasQueryInformationLengthOfValue, rvRasQueryInformationValue }				The index of the table.
rvRasQueryInformationTagOfQuery	<a href="#">RV_ECS.1.14.1.1.1</a>	None	Integer 32	Indicates the type of query: 1 = registration, 2 = calls.
rvRasQueryInformationTagOfValue	<a href="#">RV_ECS.1.14.1.1.2</a>	None	Integer 32	Indicates the type of alias: 1 = name, 2 = phone.
rvRasQueryInformationLengthOfValue	<a href="#">RV_ECS.1.14.1.1.3</a>	None	Integer 32	The length of the alias.
rvRasQueryInformationValue	<a href="#">RV_ECS.1.14.1.1.4</a>	None	Integer 32	The alias.
rvRasQueryInformationTableFindDetails*	<a href="#">RV_ECS.1.14.1.1.5</a>	Read-only	STRING	A pointer to the required information in the Registration Table.
<b>rvRasTablesControlTable</b>	<a href="#">RV_ECS.1.15.1</a>	Not accessible	SEQUENCE OF rvRasTablesControlTableEntry	This table contains rvRasTablesControl parameter entries. The number of entries equals the number of rvRasTablesControl parameters.

## Object Identifier Abbreviations

Variable Name	OID	Operation	Syntax	Description
rvRasTablesControlTableEntry	<a href="#">RV_ECS.1.15.1.1</a>	Not accessible		This table contains objects that describe rvRasTablesControl parameters.
INDEX {ifIndex}				The index of the table.
rvRasTablesControlClearPredefPrefixes	<a href="#">RV_ECS.1.15.1.1.1</a>	Read-create	RowStatus	6 = the gatekeeper clears all predefined prefixes.
rvRasTablesControlClearNeighbors	<a href="#">RV_ECS.1.15.1.1.2</a>	Read-create	RowStatus	6 = the gatekeeper clears all Neighbor Gatekeepers.
rvRasTablesControlClearPredef Endpoints	<a href="#">RV_ECS.1.15.1.1.3</a>	Read-create	RowStatus	6 = the gatekeeper clears all predefined endpoints.
rvRasTablesControlClearIslands	<a href="#">RV_ECS.1.15.1.1.4</a>	Read-create	RowStatus	6 = the gatekeeper clears all Topology Islands.
rvRasTablesControlClearDnsServers	<a href="#">RV_ECS.1.15.1.1.5</a>	Read-create	RowStatus	6 = the gatekeeper clears all DNS servers.
rvRasTablesControlClearChild	<a href="#">RV_ECS.1.15.1.1.6</a>	Read-create	RowStatus	6 = the gatekeeper clears all children.
rvRasTablesControlClearParent	<a href="#">RV_ECS.1.15.1.1.7</a>	Read-create	RowStatus	6 = the gatekeeper clears all parents.
rvRasTablesControlClearGlobalServices	<a href="#">RV_ECS.1.15.1.1.8</a>	Read-create	RowStatus	6 = the gatekeeper clears all global services.
rvRasTablesControlClearBuildin Services	<a href="#">RV_ECS.1.15.1.1.9</a>	Read-create	RowStatus	6 = the gatekeeper clears all built-in services.
rvRasTablesControlClearWildCard	<a href="#">RV_ECS.1.15.1.1.10</a>	Read-create	RowStatus	6 = the gatekeeper clears all Wildcard Forwarding rules.
rvRasTablesControlClearSecurity InternalDB	<a href="#">RV_ECS.1.15.1.1.11</a>	Read-create	RowStatus	6 = the gatekeeper clears the internal database.
rvRasTablesControlClearAuthorization Servers	<a href="#">RV_ECS.1.15.1.1.12</a>	Read-write	Integer 32	6 = the gatekeeper clears the authorization servers.

Variable Name	OID	Operation	Syntax	Description
rvRasTablesControlClearRegistrationRestrictionsIpRules	<a href="#">RV_ECS.1.15.1.1.13</a>	Read-write	Integer 32	6 = the gatekeeper clears the IP restriction rules.
rvRasTablesControlClearRegistrationRestrictionsAliasRules	<a href="#">RV_ECS.1.15.1.1.14</a>	Read-write	Integer 32	6 = the gatekeeper clears the alias restriction rules.
rvRasTablesControlClearIPaddressSpace	<a href="#">RV_ECS.1.15.1.1.15</a>	Read-write	Integer 32	6 = the gatekeeper clears the IP address space.
rvRasTablesControlClearRadiusServers	<a href="#">RV_ECS.1.15.1.1.16</a>	Read-write	Integer 32	6 = the gatekeeper clears the RADIUS servers.
rvRasTablesControlClearFwdDB	<a href="#">RV_ECS.1.15.1.1.17</a>	Read-write	Integer 32	6 = the gatekeeper clears the Forwarding database.
rvRasTablesControlClearGroups	<a href="#">RV_ECS.1.15.1.1.18</a>	Read-write	Integer 32	6 = the gatekeeper clears the groups.
rvRasTablesControlClearSubzones	<a href="#">RV_ECS.1.15.1.1.19</a>	Read-write	Integer 32	6 = the gatekeeper clears the subzones.
rvRasTablesControlClearBw	<a href="#">RV_ECS.1.15.1.1.20</a>	Read-write	Integer 32	6 = the gatekeeper clears the bandwidth rules.
<b>rvRasConfigurationDNSTable</b>	<a href="#">RV_ECS.1.16.1</a>	Not accessible	SEQUENCE OF rvRasConfigurationDNSTableEntry	This table contains a list of rvRasConfigurationDNS parameters entries. The number of entries equals the number of rvRasConfigurationDNS parameters.
rvRasConfigurationDNSTableEntry	<a href="#">RV_ECS.1.16.1.1</a>	Not accessible		This table contains objects that describe the rvRasConfigurationDNS parameters.
INDEX {ifIndex}				The index of the table.
rvRasConfigurationDNSInit	<a href="#">RV_ECS.1.16.1.1.1</a>	Read-create	RowStatus	4 = initializes the DNS module, 6 = terminates the DNS module.

## Object Identifier Abbreviations

Variable Name	OID	Operation	Syntax	Description
rvRasConfigurationDNSWaitForAllGks	<a href="#">RV_ECS.1.16.1.1.2</a>	Read-write	BOOL	TRUE = The DNS module waits for all the gatekeepers to arrive from the DNS server before issuing LRQ messages to all the gatekeepers on the list. FALSE = The DNS module issues an LRQ message to each gatekeeper as it arrives from the DNS server.
rvRasConfigurationDNSActOnLRQ	<a href="#">RV_ECS.1.16.1.1.3</a>	Read-write	BOOL	TRUE = The DNS module acts on LRQ events.
rvRasConfigurationDNSLRQResponse Delay	<a href="#">RV_ECS.1.16.1.1.4</a>	Read-write	Integer 32	Determines the delay (in seconds) which is sent in the RIP message.
rvRasConfigurationDNSMaxServers Entries	<a href="#">RV_ECS.1.16.1.1.5</a>	Read-write	Integer 32	The maximum number of entries in the DNS servers. Any change to the number of DNS servers listed is implemented only after disabling and then re-enabling the DNS capability.
rvRasConfigurationDNSTimeOut	<a href="#">RV_ECS.1.16.1.1.6</a>	Read-write	Integer 32	The maximum length of time (in seconds) for the DNS to respond to in-zone calls. Any change to the DNS timeout is implemented only after disabling and then re-enabling the DNS capability.
rvRasConfigurationDNSAutoGenerate EmailAlias	<a href="#">RV_ECS.1.16.1.1.7</a>	Read-write	BOOL	TRUE = generate an e-mail address from an incoming H.323 alias.

Variable Name	OID	Operation	Syntax	Description
rvRasConfigurationDNSGkDomain	<a href="#">RV_ECS.1.16.1.1.8</a>	Read-write	STRING	The gatekeeper local domain.
rvRasConfigurationDNSRecordType*	<a href="#">RV_ECS.1.16.1.1.9</a>	Read-write	Integer 32	1 = text record, 2 = A-record.
<b>rvRasConfigurationDNSServersTable</b>	<a href="#">RV_ECS.1.16.2</a>	Not accessible	SEQUENCE OF rvRasConfigurationDNSTableEntry	This table contains a list of DNS server names.
rvRasConfigurationDNSServersTableEntry	<a href="#">RV_ECS.1.16.2.1</a>	Not accessible		This table contains objects that describe the IP address and port of the DNS servers.
INDEX {ifIndex, rvRasConfigurationDNSServersTableIndex}				The index of the table.
rvRasConfigurationDNSServersTableIndex	<a href="#">RV_ECS.1.16.2.1.1</a>	None	Integer 32	An arbitrary index to the table. The index 1 is set to the first DNS sever in the table. The index increases by one for each subsequent DNS sever. The last index for a particular DNS server is equal to the total number of DNS servers in the table.
rvRasConfigurationDNSServerRowStatus	<a href="#">RV_ECS.1.16.2.1.2</a>	RowStatus	Read-create	4 = add a row to the table, 6 = delete a row from the table. Any change to the DNS server names listed is implemented only after disabling and then re-enabling the DNS capability.

## Object Identifier Abbreviations

Variable Name	OID	Operation	Syntax	Description
rvRasConfigurationDNSServerIpPort	<a href="#">RV_ECS.1.16.2.1.3</a>	Read-write	TAddress	The prioritized list of DNS servers to be contacted, identified by IP address and port number.
<b>rvRasConfigurationSecurityTable</b>	<a href="#">RV_ECS.1.17.1</a>	Not accessible	SEQUENCE OF rvRasConfigurationSecurityTableEntry	This table contains a list of rvRasConfiguration Security parameters. The number of entries equals the number of rvRasConfiguration Security parameters.
rvRasConfigurationSecurityTableEntry	<a href="#">RV_ECS.1.17.1.1</a>	Not accessible		This table contains objects that describe the rvRasConfiguration Security parameters.
INDEX {ifIndex}				The index of the table.
rvRasConfigurationSecurityInit	<a href="#">RV_ECS.1.17.1.1.1</a>	Read-create	RowStatus	Initializes or terminates the Security module.
rvRasConfigurationSecurityGk Password	<a href="#">RV_ECS.1.17.1.1.2</a>	Read-write	STRING	The gatekeeper password.
rvRasConfigurationSecurityMode	<a href="#">RV_ECS.1.17.1.1.3</a>	Read-write	Integer 32	Indicates the selected Security mode: 1 = Version 1 Authentication (not supported), 2 = Version 2 Authentication only (not supported), 3 = Version 2 Authentication and Integrity.
rvRasConfigurationSecurityUseAccessToken	<a href="#">RV_ECS.1.17.1.1.4</a>	Read-write	BOOL	TRUE = use and hash the Access Token in Acknowledge Confirm (ACF) messages.

Variable Name	OID	Operation	Syntax	Description
rvRasConfigurationSecurityAuthSetup Message	<a href="#">RV_ECS.1.17.1.1.5</a>	Read-write	BOOL	FALSE = the gatekeeper does not authenticate the Setup message (used in Authentication and Integrity mode).
<b>rvRasConfigurationSecurityDBTable</b>	<a href="#">RV_ECS.1.17.2</a>	Not accessible	SEQUENCE OF rvRasConfigurationSecurityDBTableEntry	This table contains a list of rvRasConfiguration SecurityDB parameters. The number of entries equals the number of rvRasConfiguration SecurityDB parameters.
rvRasConfigurationSecurityDBTable Entry	<a href="#">RV_ECS.1.17.2.1</a>	Not accessible		This table contains objects that describe the rvRasConfiguration SecurityDB parameters.
INDEX {ifIndex}				The index of the table.
rvRasConfigurationSecurityDBInit	<a href="#">RV_ECS.1.17.2.1.1</a>	Read-create	RowStatus	Initializes or terminates the Security Database module.
rvRasConfigurationSecurityDBMax InternalDbEntries	<a href="#">RV_ECS.1.17.2.1.2</a>	Read-write	Integer 32	The maximum number of entries in the Internal Database. Must be set before initializing the Security Database module.
rvRasConfigurationSecurityDBType	<a href="#">RV_ECS.1.17.2.1.3</a>	Read-write	Integer 32	Indicates the Security Database type: 1 = Internal Database, 2 = LDAP, 3 = MS SQL.
rvRasConfigurationSecurityDBSql ServerName	<a href="#">RV_ECS.1.17.2.1.4</a>	Read-write	STRING	The data source name of the computer on which the SQL server sits.

## Object Identifier Abbreviations

Variable Name	OID	Operation	Syntax	Description
rvRasConfigurationSecurityDBSql ServerId	<a href="#">RV_ECS.1.17.2.1.5</a>	Read-write	STRING	The SQL server identifier. Configured in the ODBC driver of the gatekeeper by the administrator upon connection to the SQL server.
rvRasConfigurationSecurityDBSql Password	<a href="#">RV_ECS.1.17.2.1.6</a>	Read-write	STRING	The SQL server password. Configured in the ODBC driver of the gatekeeper by the administrator upon connection to the SQL server.
<b>rvRasSecurityInternalDBTable</b>	<a href="#">RV_ECS.1.17.3</a>	Not accessible	SEQUENCE OF rvRasSecurityInternalDB TableEntry	This table contains information about Security Internal Database configuration parameters.
rvRasSecurityInternalDBTableEntry	<a href="#">RV_ECS.1.17.3.1</a>	Not accessible		This table contains objects that describe the rvRasSecurityInternalDB parameters.
INDEX {ifIndex, rvRasSecurityInternalDBUserIdLength, rvRasSecurityInternalDBUserId}				The index of the table.
rvRasSecurityInternalDBUserIdLength	<a href="#">RV_ECS.1.17.3.1.1</a>	Not accessible	Integer 32	The length of the user identifier.
rvRasSecurityInternalDBUserId	<a href="#">RV_ECS.1.17.3.1.2</a>	Not accessible	STRING	The user identifier.
rvRasSecurityInternalDBRowStatus	<a href="#">RV_ECS.1.17.3.1.3</a>	Read-create	RowStatus	4 = add a database entry, 6 = delete a database entry.
rvRasSecurityInternalDBUserPassword	<a href="#">RV_ECS.1.17.3.1.4</a>	Read-write	STRING (SIZE (0..64))	The user password of the new entry to the Internal Database.

Variable Name	OID	Operation	Syntax	Description
<b>rvRasWildCardDBTable</b>	<a href="#">RV_ECS.1.18.1</a>	Not accessible	SEQUENCE OF rvRasWildCardDBTableEntry	This table contains information about the rvRasWildCardDB parameters.
rvRasWildCardDBTableEntry	<a href="#">RV_ECS.1.18.1.1</a>	Not accessible		This table contains objects that describe the rvRasWildCardDB parameters.
INDEX {ifIndex, rvRasWildCardDBFromLength, rvRasWildCardDBFrom}				The index of the table.
rvRasWildCardDBFromLength	<a href="#">RV_ECS.1.18.1.1.1</a>	Not accessible	Integer 32	The length of the wildcard (for example, the length of *123 is 4).
rvRasWildCardDBFrom	<a href="#">RV_ECS.1.18.1.1.2</a>	Not accessible	STRING	The expression containing the wildcard character for the first component of the Wildcard Forwarding rule (applicable to the incoming call source number).
rvRasWildCardDBTo	<a href="#">RV_ECS.1.18.1.1.3</a>	Read-write	STRING	The expression containing the wildcard character for the second component of the Wildcard Forwarding rule (applicable to the destination number).
rvRasWildCardDBRowStatus	<a href="#">RV_ECS.1.18.1.1.4</a>	Read-create	RowStatus	4 = add a database entry, 6 = delete a database entry.

## Object Identifier Abbreviations

Variable Name	OID	Operation	Syntax	Description
<b>rvRasConfigurationWildCardTable</b>	<a href="#">RV_ECS.1.18.2</a>	Not accessible	SEQUENCE OF rvRasConfigurationWildCardTableEntry	This table contains information about the rvRasConfigurationWildCard parameters. The number of entries equals the number of rvRasConfigurationWildCard parameters.
rvRasConfigurationWildCardTableEntry	<a href="#">RV_ECS.1.18.2.1</a>	Not accessible		This table contains objects that describe the rvRasConfigurationWildCard parameters.
INDEX {ifIndex}				The index of the table.
<b>rvRasConfigurationWcMaxEnries*</b>	<a href="#">RV_ECS.1.18.2.1.1</a>	Read-only	Integer 32	The maximum number of entries in the Wildcard Table.
rvRasConfigurationWcWc	<a href="#">RV_ECS.1.18.2.1.2</a>	Read-write	STRING	The Wildcard string (for example *).
<b>rvRasConfigurationSnmptTrapsTable</b>	<a href="#">RV_ECS.1.19.1</a>	Not accessible	SEQUENCE OF rvRasConfigurationSnmptTrapsTableEntry	This table contains information about SNMP Trap configuration parameters. The number of entries is equal to the number of SNMP Trap configuration parameters.
rvRasConfigurationSnmptTrapsTableEntry	<a href="#">RV_ECS.1.19.1.1</a>	Not accessible		This table contains objects that describe the rvRasConfigurationSnmptTraps parameters.
INDEX {ifIndex}				The index of the table.
rvRasConfigurationSnmptTrapsSendTraps	<a href="#">RV_ECS.1.19.1.1.1</a>	Read-write	BOOL	TRUE = send SNMP Traps, FALSE = do not send SNMP Traps.

Variable Name	OID	Operation	Syntax	Description
rvRasConfigurationSnmpTrapsIpPort	<a href="#">RV_ECS.1.19.1.1.2</a>	Read-write	TAddress	The IP address and port number to which the gatekeeper sends SNMP Traps.
rvRasConfigurationSnmpTrapsUpperThreshold	<a href="#">RV_ECS.1.19.1.1.3</a>	Read-write	Integer 32	The percentage of load capacity value at which the gatekeeper sends congestion notifications.
rvRasConfigurationSnmpTrapsDeltaThreshold	<a href="#">RV_ECS.1.19.1.1.4</a>	Read-write	Integer 32	The upper <i>delta</i> value at which the gatekeeper resends congestion notifications. For example, if <i>rvRasConfigurationSnmpTrapsUpperThreshold</i> is set to 90 and the delta value is set to 10, the gatekeeper sends a congestion notification when capacity load reaches 90% of the maximum and resends the congestion notification if capacity reaches 90% again after dropping to 80% (i.e. 90 minus delta).
rvRasConfigurationSnmpTrapsChildrenAliveTimeInterval	<a href="#">RV_ECS.1.19.1.1.5</a>	Read-write	Integer 32	The IRQ interval value (in minutes) at which the ECS sends an IRQ message to check whether or not a Child Gatekeeper is participating in a current ECS session.
rvRasConfigurationSnmpTrapsCallsUpperThreshold	<a href="#">RV_ECS.1.19.1.1.6</a>	Read-write	Integer 32	The upper threshold for sending call traps.
rvRasConfigurationSnmpTrapsCallsLowerThreshold	<a href="#">RV_ECS.1.19.1.1.7</a>	Read-write	Integer 32	The lower threshold for resending call traps.

## Object Identifier Abbreviations

Variable Name	OID	Operation	Syntax	Description
rvRasConfigurationSnmpTrapsRegsUpperThreshold	<a href="#">RV_ECS.1.19.1.1.8</a>	Read-write	Integer 32	The upper threshold for sending registration traps.
rvRasConfigurationSnmpTrapsRegsLowerThreshold	<a href="#">RV_ECS.1.19.1.1.9</a>	Read-write	Integer 32	The lower threshold for resending registration traps.
rvRasConfigurationSnmpTrapsBWUpperThreshold	<a href="#">RV_ECS.1.19.1.1.10</a>	Read-write	Integer 32	The upper threshold for sending bandwidth traps.
rvRasConfigurationSnmpTrapsBWLowerThreshold	<a href="#">RV_ECS.1.19.1.1.11</a>	Read-write	Integer 32	The lower threshold for resending bandwidth traps.
<b>rvRasConfigurationAlternateGkTable</b>	<a href="#">RV_ECS.1.20.1</a>	Not accessible	SEQUENCE OF rvRasConfigurationAlternateGkTableEntry	This table contains information about Alternate Gatekeeper configuration parameters. The number of entries is equal to the number of Alternate Gatekeeper configuration parameters.
rvRasConfigurationAlternateGkTableEntry	<a href="#">RV_ECS.1.20.1.1</a>	Not accessible		This table contains objects that describe the rvRasConfigurationAlternateGk parameters
INDEX {ifIndex}				The index of the table.
rvRasConfigurationAlternateGkUseAltGk	<a href="#">RV_ECS.1.20.1.1.1</a>	Read-write	BOOL	TRUE = use Alternate Gatekeeper, FALSE = do not use Alternate Gatekeeper.
rvRasConfigurationAlternateGkAltGkNativeIp	<a href="#">RV_ECS.1.20.1.1.2</a>	Read-write	STRING	The IP address and port number of the Native (slave) Gatekeeper.
rvRasConfigurationAlternateGkPublicIp	<a href="#">RV_ECS.1.20.1.1.3</a>	Read-write	STRING	The Public IP address and port number of the gatekeeper (master).

Variable Name	OID	Operation	Syntax	Description
rvRasConfigurationAlternateGkProbIp	<a href="#">RV_ECS.1.20.1.1.4</a>	Read-write	STRING	The Probe IP address and port number of the test ping.
rvRasConfigurationAlternateGkPingInterval	<a href="#">RV_ECS.1.20.1.1.5</a>	Read-write	Integer 32	The length of time (in seconds) of the ping interval.
rvRasConfigurationAlternateGkTypeAlt*	<a href="#">RV_ECS.1.20.1.1.6</a>	Read-only	Integer 32	Indicates the Alternate Gatekeeper status: 1 = master, 2 = slave.
rvRasConfigurationAlternateInterGkCommunicationPort	<a href="#">RV_ECS.1.20.1.1.7</a>	Read-write	Integer 32	The port for communication between the gatekeeper and the Alternate Gatekeeper
rvRasConfigurationAlternateGkManagementPublicIp	<a href="#">RV_ECS.1.20.1.1.8</a>	Read-write	STRING	Management of the public IP of the Gatekeeper.
rvRasConfigurationAlternateGkManagementNativeIp	<a href="#">RV_ECS.1.20.1.1.9</a>	Read-write	STRING	Management of the native IP of the Gatekeeper.
<b>rvRasConfigurationCallFallbackTable</b>	<a href="#">RV_ECS.1.21.1</a>	Not accessible	SEQUENCE OF rvRasConfigurationCallFallbackTableEntry	This table contains information about Call Fallback configuration parameters. The number of entries is equal to the number of Call Fallback configuration parameters.
rvRasConfigurationCallFallbackTableEntry	<a href="#">RV_ECS.1.21.1.1</a>	Not accessible		This table contains objects that describe the rvRasConfigurationCall Fallback parameters.
INDEX {ifIndex}				The index of the table.
rvRasConfigurationCallFallbackAlternateType	<a href="#">RV_ECS.1.21.1.1.1</a>	Read-write	Integer 32	1 = none, 2 = Alternate Gateway, 3 = alternate H.323 address.

## Object Identifier Abbreviations

Variable Name	OID	Operation	Syntax	Description
rvRasConfigurationCallFallbackAlternateGWServiceTag	<a href="#">RV_ECS.1.21.1.1.2</a>	Read-write	MmAliasTag	The gateway service tag.
rvRasConfigurationCallFallbackAlternateGWService	<a href="#">RV_ECS.1.21.1.1.3</a>	Read-write	MmAlias Address	The gateway service.
rvRasConfigurationCallFallbackAlternateH323AddressType	<a href="#">RV_ECS.1.21.1.1.4</a>	Read-write	MmAliasTag	The type of H.323 address.
rvRasConfigurationCallFallbackAlternateH323Address	<a href="#">RV_ECS.1.21.1.1.5</a>	Read-write	MmAlias Address	The alternate H.323 address.
<b>rvRasConfigurationDialPlanTable</b>	<a href="#">RV_ECS.1.22.1</a>	Not accessible	SEQUENCE OF rvRasConfig urationDialPI anTableEntry	This table contains information about Dial Plan configuration parameters. The number of entries is equal to the number of Dial Plan configuration parameters.
rvRasConfigurationDialPlanTableEntry	<a href="#">RV_ECS.1.22.1.1</a>	Not accessible		This table contains objects that describe the rvRasConfigurationDial Plan parameters.
INDEX {ifIndex}				The index of the table.
rvRasConfigurationDialPlanVersion	<a href="#">RV_ECS.1.22.1.1.1</a>	Read-write	Integer 32	1 = version 1, 2 = version 2.
rvRasConfigurationDialPlanGlobalStripPrefix	<a href="#">RV_ECS.1.22.1.1.2</a>	Read-write	BOOL	TRUE = strip the gatekeeper prefix from incoming calls (when the destination is in the Gatekeeper Zone or among the Child Gatekeepers), FALSE = do not strip the prefix.

Variable Name	OID	Operation	Syntax	Description
rvRasConfigurationDialPlanReplaceZonePrefix	<a href="#">RV_ECS.1.22.1.1.3</a>	Read-write	STRING	The string with which the gatekeeper replaces the stripped prefix of the gatekeeper zone. Relevant only if the value of <i>rvRasConfigurationDialPlanGlobalStripPrefix</i> is TRUE.
rvRasConfigurationDialPlanGwStripPrefix	<a href="#">RV_ECS.1.22.1.1.4</a>	Read-write	BOOL	For calls using a gateway. TRUE = strip the gatekeeper zone prefix for a gateway call, FALSE = do not strip.
rvRasConfigurationDialPlanMaxChilds*	<a href="#">RV_ECS.1.22.1.1.5</a>	Read-only	Integer 32	The maximum number of Child Gatekeepers in the Dial Plan table.
rvRasConfigurationDialPlanMaxChildRanges*	<a href="#">RV_ECS.1.22.1.1.6</a>	Read-only	Integer 32	The upper limit of the range of Child prefixes.
rvRasConfigurationDialPlanMaxParents*	<a href="#">RV_ECS.1.22.1.1.7</a>	Read-only	Integer 32	The maximum number of Parent Gatekeepers in the Dial Plan table.
rvRasConfigurationDialPlanMaxParentFilter*	<a href="#">RV_ECS.1.22.1.1.8</a>	Read-only	Integer 32	The maximum number of Parent Filters in the Dial Plan table.
rvRasConfigurationDialPlanMaxGlobalServices*	<a href="#">RV_ECS.1.22.1.1.9</a>	Read-only	Integer 32	The maximum number of global services in the Dial Plan table.
rvRasConfigurationDialPlanLrqHopCount	<a href="#">RV_ECS.1.22.1.1.10</a>	Read-write	Integer 32	Provides protection against LRQ loops.
rvRasConfigurationDialPlanAllowOutOfZoneCallsDialWithoutZonePrefix	<a href="#">RV_ECS.1.22.1.1.11</a>	Read-write	BOOL	True - allow out of zone calls to dial in without zone prefix(es). False - disable.

## Object Identifier Abbreviations

Variable Name	OID	Operation	Syntax	Description
<b>rvRasChildTable</b>	<a href="#">RV_ECS.1.22.2</a>	Not accessible	SEQUENCE OF rvRasChildTableEntry	This table contains information about rvRasChild parameters. The number of entries is equal to the number of rvRasChild parameters.
rvRasChildTableEntry	<a href="#">RV_ECS.1.22.2.1</a>	Not accessible		This table contains objects that describe the rvRasChild parameters.
INDEX {ifIndex, rvRasChildIndex}				The index of the table.
rvRasChildIndex	<a href="#">RV_ECS.1.22.2.1.1</a>	None	Integer 32	The index of the Child Gatekeeper in the gatekeeper table.
rvRasChildRowStatus	<a href="#">RV_ECS.1.22.2.1.2</a>	Read-create	RowStatus	4 = create a new Child Gatekeeper (this will be done only after setting the other rvRasChild parameters), 6 = delete the Child Gatekeeper.
rvRasChildDescription	<a href="#">RV_ECS.1.22.2.1.3</a>	Read-write	STRING	The description of the Child Gatekeeper.
rvRasChildIPAddress	<a href="#">RV_ECS.1.22.2.1.4</a>	Read-write	TAddress	The IP address of the Child Gatekeeper.
rvRasChildProxyCall	<a href="#">RV_ECS.1.22.2.1.5</a>	Read-write	BOOL	TRUE = use Cisco Proxy, FALSE = do not use Cisco Proxy. Not supported.
rvRasChildFromCentralDb*	<a href="#">RV_ECS.1.22.2.1.6</a>	Read-only	BOOL	TRUE = the details of the specified Child Gatekeeper have been taken from the Central Database.

Variable Name	OID	Operation	Syntax	Description
rvRasChildRange	<a href="#">RV_ECS.1.22.2.1.7</a>	Read-write	STRING	The range of Child Gatekeeper prefixes in format: 80;20-30;50.
rvRasChildIdentifier	<a href="#">RV_ECS.1.22.2.1.8</a>	Read-write	STRING	The identifier of the Child Gatekeeper.
<b>rvRasParentTable</b>	<a href="#">RV_ECS.1.22.3</a>	Not accessible	SEQUENCE OF rvRasParentTableEntry	This table contains information about rvRasParent parameters. The number of entries is equal to the number of rvRasParent parameters.
rvRasParentTableEntry	<a href="#">RV_ECS.1.22.3.1</a>	Not accessible		This table contains objects that describe the rvRasParent parameters.
INDEX {ifIndex, rvRasParentIndex}				The index of the table.
rvRasParentIndex	<a href="#">RV_ECS.1.22.3.1.1</a>	None	Integer 32	The index of the Parent Gatekeeper in the gatekeeper table.
rvRasParentRowStatus	<a href="#">RV_ECS.1.22.3.1.2</a>	Read-create	RowStatus	4 = create new Parent Gatekeeper (this will be done only after setting the other rvRasParent parameters), 6 = delete the parent.
rvRasParentDescription	<a href="#">RV_ECS.1.22.3.1.3</a>	Read-write	STRING	The description of the Parent Gatekeeper.
rvRasParentIPAddress	<a href="#">RV_ECS.1.22.3.1.4</a>	Read-write	TAddress	The IP address of the Parent Gatekeeper.
rvRasParentProxyCall	<a href="#">RV_ECS.1.22.3.1.5</a>	Read-write	BOOL	TRUE = use Cisco Proxy, FALSE = do not use Cisco Proxy. Not supported.

## Object Identifier Abbreviations

Variable Name	OID	Operation	Syntax	Description
rvRasParentFromCentralDb*	<a href="#">RV_ECS.1.22.3.1.6</a>	Read-only	BOOL	TRUE = the details of the specified Parent Gatekeeper have been taken from the Central Database.
rvRasParentFilter	<a href="#">RV_ECS.1.22.3.1.7</a>	Read-write	STRING	By default, the gatekeeper uses a Parent Filter to prevent calls being sent automatically to the Parent Gatekeeper. Null format: 80;90;100.
rvRasParentIdentifier	<a href="#">RV_ECS.1.22.3.1.8</a>	Read-write	STRING	The identifier of the Parent Gatekeeper.
<b>rvRasGlobalServiceTable</b>	<a href="#">RV_ECS.1.22.4</a>	Not accessible	SEQUENCE OF rvRasGlobalServiceTableEntry	This table contains information about rvRasGlobalService parameters. The number of entries is equal to the number of rvRasGlobalService parameters.
rvRasGlobalServiceTableEntry	<a href="#">RV_ECS.1.22.4.1</a>	Not accessible		This table contains objects that describe the rvRasGlobalService parameters.
INDEX {ifIndex, rvRasGlobalServiceIndex }				The index of the table.
rvRasGlobalServiceIndex	<a href="#">RV_ECS.1.22.4.1.1</a>	None	Integer 32	The index of the global service in the gatekeeper table.
rvRasGlobalServiceRowStatus	<a href="#">RV_ECS.1.22.4.1.2</a>	Read-create	RowStatus	4 = create new global service, 6 = delete the global service.

Variable Name	OID	Operation	Syntax	Description
rvRasGlobalServicePrefix	<a href="#">RV_ECS.1.22.4.1.3</a>	Read-write	STRING	The prefix of the service.
rvRasGlobalServiceDescription	<a href="#">RV_ECS.1.22.4.1.4</a>	Read-write	STRING	The description of the service.
rvRasGlobalServiceFromCentralDb*	<a href="#">RV_ECS.1.22.4.1.5</a>	Read-only	BOOL	TRUE = the details of the specified global service have been taken from the Central Database.
rvRasConfigurationCentralDbTable	<a href="#">RV_ECS.1.23.1</a>	Not accessible	SEQUENCE OF rvRasConfigurationCentralDbTableEntry	This table contains information about Central Database configuration parameters. The number of entries is equal to the number of Central Database configuration parameters.
rvRasConfigurationCentralDbTableEntry	<a href="#">RV_ECS.1.23.1.1</a>	Not accessible		This table contains objects that describe the rvRasConfigurationCentralDb parameters.
INDEX {ifIndex}				The index of the table.
rvRasConfigurationCentralDbUseDb	<a href="#">RV_ECS.1.23.1.1.1</a>	Read-create	RowStatus	4 = the gatekeeper will copy information from the Central Database into the gatekeeper database, 6 = the gatekeeper will not use the Central Database.
rvRasConfigurationCentralDbCacheIntervalFromDb	<a href="#">RV_ECS.1.23.1.1.2</a>	Read-write	Integer 32	Indicates the interval at which the gatekeeper caches information.
rvRasConfigurationCentralDbSqlAlias	<a href="#">RV_ECS.1.23.1.1.3</a>	Read-write	STRING	The ODBC domain server name.
rvRasConfigurationCentralDbSqlUser	<a href="#">RV_ECS.1.23.1.1.4</a>	Read-write	STRING	The Central Database user name.

## Object Identifier Abbreviations

Variable Name	OID	Operation	Syntax	Description
rvRasConfigurationCentralDbSqlPassword	<a href="#">RV_ECS.1.23.1.1.5</a>	Read-write	STRING	The Central Database password.
<b>rvRasConfigurationFireWallTable</b>	<a href="#">RV_ECS.1.24.1</a>	Not accessible	SEQUENCE OF rvRasConfigurationFireWallTableEntry	This table contains information about firewall configuration parameters. The number of entries is equal to the number of firewall configuration parameters.
rvRasConfigurationFireWallTableEntry	<a href="#">RV_ECS.1.24.1.1</a>	Not accessible		This table contains objects that describe the rvRasConfigurationFireWall parameters.
INDEX {ifIndex}				The index of the table.
rvRasConfigurationFireWallEnableFireWallTraversal	<a href="#">RV_ECS.1.24.1.1.1</a>	Read-write	BOOL	TRUE = enable H.323 firewall traversal.
rvRasConfigurationFireWallgatekeeperExternallp	<a href="#">RV_ECS.1.24.1.1.2</a>	Read-write	STRING	The external IP address of the gatekeeper.
rvRasConfigurationFireWallPortRangeMin	<a href="#">RV_ECS.1.24.1.1.3</a>	Read-write	Integer 32	The lower port range threshold.
rvRasConfigurationFireWallPortRangeMax	<a href="#">RV_ECS.1.24.1.1.4</a>	Read-write	Integer 32	The upper port range threshold.
rvRasConfigurationFireWallRouteMediaStreamsBetweenPublicIps	<a href="#">RV_ECS.1.24.1.1.5</a>	Read-write	BOOL	TRUE = gatekeeper-registered endpoints located on the WAN establish a call via the gatekeeper. The endpoints communicate via their Public IP addresses. The media streams of the two endpoints pass through the gatekeeper.

Variable Name	OID	Operation	Syntax	Description
rvRasConfigurationFireWallPublicIpsMustBePredefinedInGk	<a href="#">RV_ECS.1.24.1.1.6</a>	Read-write	BOOL	TRUE = Public IP addresses must be predefined in the gatekeeper before registration.
rvRasConfigurationFireWallPrivateNetworkCriteria	<a href="#">RV_ECS.1.24.1.1.7</a>	Read-write	Integer 32	1 = the firewall will refer to the IP address defined in RFC-1918 as private, 2 = the firewall will refer to the IP address defined in the next table as private.
rvRasConfigurationFireWallMaxIPaddressSpaceEntries*	<a href="#">RV_ECS.1.24.1.1.8</a>	Read-only	Integer 32	Indicates the maximum number of entries allowed in the IP Address Space Table.
rvRasConfigurationFireWallUseNDISDriver	<a href="#">RV_ECS.1.24.1.1.9</a>	Read-write	BOOL	1 = enable NDIS driver, 2 = disable.
<b>rvRasFireWallIPAddressSpaceTable</b>	<a href="#">RV_ECS.1.24.2</a>	None	SEQUENCE OF rvRasFireWallIPAddressSpaceTableEntry	This table contains information about IP address space parameters. The number of entries is equal to the number of firewall parameters.
rvRasFireWallIPAddressSpaceTableEntry	<a href="#">RV_ECS.1.24.2.1</a>	None		Contains objects that describe the Firewall IP address space parameters.
INDEX {ifIndex, IPAddressSpaceIndex}				The index of the table.
rvRasIPAddressSpaceIndex	<a href="#">RV_ECS.1.24.2.1.1</a>	None	Integer 32	The index of the entry in the table.
rvRasIPAddressSpaceFromIP	<a href="#">RV_ECS.1.24.2.1.2</a>	Read-create	STRING	The source IP address.
rvRasIPAddressSpaceToIP	<a href="#">RV_ECS.1.24.2.1.3</a>	Read-create	STRING	The destination IP address.

## Object Identifier Abbreviations

Variable Name	OID	Operation	Syntax	Description
rvRasIPAddressSpaceRowStatus	<a href="#">RV_ECS.1.24.2.1.4</a>	Read-create	RowStatus	4 = add a row, 6 = delete a row.
<b>rvRasThirdPartyCallControlDB</b>	<a href="#">RV_ECS.1.25.1</a>	Not accessible	SEQUENCE OF rvRasThirdPartyCallControlDBEntry	This table contains information about Third Party Call Control database parameters. The number of entries is equal to the number of Third Party Call Control database parameters.
rvRasThirdPartyCallControlDBEntry	<a href="#">RV_ECS.1.25.1.1</a>	Not accessible		This table contains objects that describe the rvRasThirdPartyCallControlDB parameters.
INDEX {ifIndex, rvRasThirdPartyCallControlDBEPI tag, rvRasThirdPartyCallControlDBEPI Length, rvRasThirdPartyCallControlDBEPI, rvRasThirdPartyCallControlDBEPI2Tag, rvRasThirdPartyCallControlDBEPI2 Length, rvRasThirdPartyCallControlDBEPI2}				The index of the table.
rvRasThirdPartyCallControlDBEPI tag	<a href="#">RV_ECS.1.25.1.1.1</a>	None	MmAliasTag	The tag of the source alias.
rvRasThirdPartyCallControlDBEPI Length	<a href="#">RV_ECS.1.25.1.1.2</a>	None	Integer 32	The length of the source alias.
rvRasThirdPartyCallControlDBEPI	<a href="#">RV_ECS.1.25.1.1.3</a>	None	MmAlias Address	The source of the call.
rvRasThirdPartyCallControlDBEPI2Tag	<a href="#">RV_ECS.1.25.1.1.4</a>	None	MmAliasTag	The tag of the destination alias.
rvRasThirdPartyCallControlDBEPI2 Length	<a href="#">RV_ECS.1.25.1.1.5</a>	None	Integer 32	The length of the destination alias.
rvRasThirdPartyCallControlDBEPI2	<a href="#">RV_ECS.1.25.1.1.6</a>	None	MmAlias Address	The destination of the call.

Variable Name	OID	Operation	Syntax	Description
rvRasThirdPartyCallControlDBRowStatus	<a href="#">RV_ECS.1.25.1.1.7</a>	Read-create	RowStatus	Adds a new call to the database.
rvRasThirdPartyCallControlDBCallStatus*	<a href="#">RV_ECS.1.25.1.1.8</a>	Read-only	Integer 32	Indicates the status of a specified new call. 1 = call successfully connected, 2 = call in progress, 3 = call connection failure.
rvRasThirdPartyCallControlDBCallBandwidth	<a href="#">RV_ECS.1.25.1.1.9</a>	Read-write	Integer 32	The requested bandwidth of the call (in Kbps).
rvRasThirdPartyCallControlDBCallSourceDisplayNum	<a href="#">RV_ECS.1.25.1.1.10</a>	Read-create	STRING	In the Setup sent to both sides, this number will be set in the Source Address and Calling Party Number fields. Consists of digits 0-9, # and * only.
<b>rvRasConfigurationThirdPartyCallControlTable</b>	<a href="#">RV_ECS.1.25.2</a>	Not accessible	SEQUENCE OF rvRasConfigurationThirdPartyCallControlTableEntry	This table contains information about Third Party Call Control configuration parameters. The number of entries is equal to the number of Third Party Call Control configuration parameters.
rvRasConfigurationThirdPartyCallControlTableEntry	<a href="#">RV_ECS.1.25.2.1</a>	Not accessible		This table contains objects that describe the rvRasConfigurationThirdPartyCallControl parameters.
INDEX {ifIndex}				The index of the table.
rvRasConfigurationThirdPartyCallControlTableMaxEntries*	<a href="#">RV_ECS.1.25.2.1.1</a>	Read-only	Integer 32	The maximum number of entries in the Call Control table.

## Object Identifier Abbreviations

Variable Name	OID	Operation	Syntax	Description
rvRasConfigurationThirdPartyCallControlNumCurrentCalls*	<a href="#">RV_ECS.1.25.2.1.2</a>	Read-only	Integer 32	The number of current entries in the Call Control table.
<b>rvRasConfigurationBandwidthTable</b>	<a href="#">RV_ECS.1.26.1</a>	Not accessible	SEQUENCE OF rvRasConfigurationBandwidthTableEntry	This table contains information about bandwidth configuration parameters. The number of entries is equal to the number of bandwidth configuration parameters.
rvRasConfigurationBandwidthTableEntry	<a href="#">RV_ECS.1.26.1.1</a>	Not accessible		This table contains objects that describe the rvRasConfigurationBandwidth parameters.
INDEX {ifIndex}				The index of the table.
rvRasConfigurationBandwidthMaxOutgoingInterZone	<a href="#">RV_ECS.1.26.1.1.1</a>	Read-write	Integer 32	The maximum outgoing bandwidth (in Kbps).
rvRasConfigurationBandwidthCurrentOutgoingInterZone*	<a href="#">RV_ECS.1.26.1.1.2</a>	Read-only	Integer 32	The current outgoing bandwidth (in Kbps).
rvRasConfigurationBandwidthMaxIncomingInterZone	<a href="#">RV_ECS.1.26.1.1.3</a>	Read-write	Integer 32	The maximum incoming bandwidth (in Kbps).
rvRasConfigurationBandwidthCurrentIncomingInterZone*	<a href="#">RV_ECS.1.26.1.1.4</a>	Read-only	Integer 32	The current incoming bandwidth (in Kbps).
rvRasConfigurationBandwidthMaxInZone	<a href="#">RV_ECS.1.26.1.1.5</a>	Read-write	Integer 32	The maximum in-zone bandwidth (in Kbps).
rvRasConfigurationBandwidthCurrentInZone*	<a href="#">RV_ECS.1.26.1.1.6</a>	Read-only	Integer 32	The current in-zone bandwidth (in Kbps).
rvRasConfigurationBandwidthRejectPolicy	<a href="#">RV_ECS.1.26.1.1.8</a>	Read-write	Integer 32	Not supported.

Variable Name	OID	Operation	Syntax	Description
<b>rvRasAuthorizationServersTable</b>	<a href="#">RV_ECS.1.27.1</a>	Not accessible	SEQUENCE OF rvRasAuthorizationServersTableEntry	This table contains information about Authorization Servers.
rvRasAuthorizationServersTableEntry	<a href="#">RV_ECS.1.27.1.1</a>	Not accessible		Contains objects that describe the rvRasAuthorizationServers parameters.
INDEX {ifIndex, rvRasAuthorizationServersIndex }				The index of the table. A unique value for each interface. Its value ranges between 1 and the value of ifNumber. The value for each interface must remain constant at least from one re-initialization of the entity's network management system to the next re-initialization.
rvRasAuthorizationServersIndex	<a href="#">RV_ECS.1.27.1.1.1</a>	Not accessible	Integer 32	The number of the server in the database.
rvRasAuthorizationServersRowStatus	<a href="#">RV_ECS.1.27.1.1.2</a>	Read-create	RowStatus	4 = add the server to the database (after adding the other parameters), 6 = delete server.
rvRasAuthorizationServersTypeOfConnection	<a href="#">RV_ECS.1.27.1.1.3</a>	Read-create	Integer 32	1 = XML.
rvRasAuthorizationServersHostName	<a href="#">RV_ECS.1.27.1.1.4</a>	Read-create	STRING	The name or IP address of the server host computer.
rvRasAuthorizationServersPort	<a href="#">RV_ECS.1.27.1.1.5</a>	Read-create	Integer 32	The server port.
rvRasAuthorizationServersUserName	<a href="#">RV_ECS.1.27.1.1.6</a>	Read-create	STRING	The identifying name of the server.

## Object Identifier Abbreviations

Variable Name	OID	Operation	Syntax	Description
rvRasAuthorizationServersPassword	<a href="#">RV_ECS.1.27.1.1.7</a>	Read-create	STRING	The identifying password of the server.
rvRasAuthorizationServersConnection Status*	<a href="#">RV_ECS.1.27.1.1.8</a>	Read-only	Integer 32	1 = connect, 2 = not connected, 3 = waiting.
rvRasAuthorizationServersDirection	<a href="#">RV_ECS.1.27.1.1.9</a>	Read-only	Integer 32	The direction of a connection: 1 = out, 2 = in.
<b>rvRasConfigurationAuthorization Table</b>	<a href="#">RV_ECS.1.27.2</a>	Not accessible	SEQUENCE OF rvRasConfigurationAuthorizationTableEntry	This table contains information about rvRasConfigurationAuthorization parameters. The number of entries is equal to the number of Configuration Authorization parameters.
rvRasConfigurationAuthorizationTableEntry	<a href="#">RV_ECS.1.27.2.1</a>	Not accessible		Contains objects that describe the rvRasConfiguration Authorization parameters.
INDEX {ifIndex}				The index of the table. A unique value for each interface. Its value ranges between 1 and the value of ifNumber. The value for each interface must remain constant at least from one re-initialization of the entity's network management system to the next re-initialization.
rvRasConfigurationAuthorizationInit	<a href="#">RV_ECS.1.27.2.1.1</a>	Read-write	Integer 32	4 = initialize the authorization, 6 = close the authorization.

Variable Name	OID	Operation	Syntax	Description
rvRasConfigurationAuthorizationMaxEntries*	<a href="#">RV_ECS.1.27.2.1.2</a>	Read-only	Integer 32	Indicates the maximum number of servers allowed.
rvRasConfigurationAuthorizationDestinationsListPolicy	<a href="#">RV_ECS.1.27.2.1.3</a>	Read-write	Integer 32	1 = Union destinations (default), 2 = Intersect destinations, 3 = No change.
rvRasConfigurationAuthorizationBandwidthPolicy	<a href="#">RV_ECS.1.27.2.1.4</a>	Read-write	Integer 32	1 = Authorize minimum (default), 2 = Authorize maximum, 3 = Ignore.
rvRasConfigurationAuthorizationLimitServers	<a href="#">RV_ECS.1.27.2.1.5</a>	Read-write	BOOL	TRUE = the external server cannot use the authorization service; FALSE = the external server can use the authorization service.
rvRasConfigurationAuthorizationConnectExternalServer	<a href="#">RV_ECS.1.27.2.1.6</a>	Read-onlt	BOOL	TRUE = the external server is connected; FALSE = the external server is not connected.
<b>rvRasConfigurationRegistrationRestrictionsTable</b>	<a href="#">RV_ECS.1.28.1</a>	Not accessible	SEQUENCE OF rvRasConfigurationRegistrationRestrictionsTableEntry	This table contains information about rvRasConfigurationRegistrationRestrictions parameters. The number of entries is equal to the number of Configuration Registration Restrictions parameters.
rvRasConfigurationRegistrationRestrictionsTableEntry	<a href="#">RV_ECS.1.28.1.1</a>	Not accessible		Contains objects that describe the rvRasConfigurationRegistrationRestrictions parameters.

## Object Identifier Abbreviations

Variable Name	OID	Operation	Syntax	Description
INDEX {ifIndex}				The index of the table. A unique value for each interface. Its value ranges between 1 and the value of ifNumber. The value for each interface must remain constant at least from one re-initialization of the entity's network management system to the next re-initialization.
rvRasConfigurationRegistrationRestrictionsMaxIpRanges*	RV_ECS.1.28.1.1.1	Read-only	Integer 32	Indicates the maximum number of entries allowed in the IP ranges table.
rvRasConfigurationRegistrationRestrictionsCurrentIpRanges*	RV_ECS.1.28.1.1.2	Read-only	Integer 32	Indicates the current number of entries in the IP ranges table.
rvRasConfigurationRegistrationRestrictionsMaxAliasRules*	RV_ECS.1.28.1.1.3	Read-only	Integer 32	Indicates the maximum number of entries allowed in the alias rule table.
rvRasConfigurationRegistrationRestrictionsCurrentAliasRules*	RV_ECS.1.28.1.1.4	Read-only	Integer 32	Indicates the current number of entries in the alias rule table.
rvRasConfigurationRegistrationRestrictionsIpRangesActive	RV_ECS.1.28.1.1.5	Read-write	BOOL	TRUE = registration restrictions by IP ranges is activated, FALSE = registration restrictions by IP ranges is not activated.
rvRasConfigurationRegistrationRestrictionsIpRangesRegisterPermission	RV_ECS.1.28.1.1.6	Read-write	BOOL	TRUE = the endpoint that matches the rule will register (grant access), FALSE = the endpoint that matches the rule will not register (deny access).

Variable Name	OID	Operation	Syntax	Description
rvRasConfigurationRegistrationRestrictionsAliasRulesActive	<a href="#">RV_ECS.1.28.1.1.7</a>	Read-write	BOOL	TRUE = registration restrictions by alias rule is activated, FALSE = registration restrictions by alias rule is not activated.
rvRasConfigurationRegistrationRestrictionsAliasRulesRegisterPermission	<a href="#">RV_ECS.1.28.1.1.8</a>	Read-write	BOOL	TRUE = the endpoint that matches the rule will register (grant access), FALSE = the endpoint that matches the rule will not register (deny access).
rvRasConfigurationRegistrationRestrictionsNumberOfPredefinedAliasesOnDHCPMode	<a href="#">RV_ECS.1.28.1.1.9</a>	Read-write	Integer 32	The endpoint must have the configured number of alias matches in DHCP mode.
rvRasConfigurationRegistrationRestrictionsNumberOfPredefinedAliasesOnNonDHCPMode	<a href="#">RV_ECS.1.28.1.1.10</a>	Read-write	Integer 32	The endpoint must have the configured number of alias matches in non-DHCP mode.
<b>rvRasRegistrationRestrictionsIpRulesTable</b>	<a href="#">RV_ECS.1.28.2</a>	Not accessible	SEQUENCE OF rvRasRegistrationRestrictionsIpRulesTableEntry	This table contains information about rvRasRegistrationRestrictionsIpRules parameters. The number of entries is equal to the number of IP registration restriction rule parameters.
rvRasRegistrationRestrictionsIpRulesTableEntry	<a href="#">RV_ECS.1.28.2.1</a>	Not accessible		Contains a list of IP registration restriction rule entries.

## Object Identifier Abbreviations

Variable Name	OID	Operation	Syntax	Description
INDEX {ifIndex, rvRasRegistrationRestrictionsIndexIp Rules }				The index of the table. A unique value for each interface. Its value ranges between 1 and the value of ifNumber. The value for each interface must remain constant at least from one re-initialization of the entity's network management system to the next re-initialization.
rvRasRegistrationRestrictionsIndexIp Rules	<a href="#">RV_ECS.1.28.2.1.1</a>	Not accessible	Integer 32	The index of the rule in the table. Start from 1.
rvRasRegistrationRestrictionsBaseIp	<a href="#">RV_ECS.1.28.2.1.2</a>	Read-create	STRING	Indicates the base IP address.
rvRasRegistrationRestrictionsSubnetIp	<a href="#">RV_ECS.1.28.2.1.3</a>	Read-create	STRING	Indicates the subnet IP address.
rvRasRegistrationRestrictionsIpRule EntryRowStatus	<a href="#">RV_ECS.1.28.2.1.4</a>	Read-create	RowStatus	4 = add an IP rule, 6 = delete an IP rule.
<b>rvRasRegistrationRestrictionsAlias RulesTable</b>	<a href="#">RV_ECS.1.28.3</a>	Not accessible	SEQUENCE OF rvRasRegistr ationRestricti onsAliasRule sTableEntry	This table contains information about rvRasRegistrationRestrictionsAliasRules parameters.
rvRasRegistrationRestrictionsAliasRules TableEntry	<a href="#">RV_ECS.1.28.3.1</a>	Not accessible		Contains a list of alias registration restriction rule entries.

Variable Name	OID	Operation	Syntax	Description
INDEX {ifIndex, rvRasRegistrationRestrictionsIndex AliasRules}				The index of the table. A unique value for each interface. Its value ranges between 1 and the value of ifNumber. The value for each interface must remain constant at least from one re-initialization of the entity's network management system to the next re-initialization.
rvRasRegistrationRestrictionsIndex AliasRules	<a href="#">RV_ECS.1.28.3.1.1</a>	Not accessible	Integer 32	The index of the rule in the table. Start from 1.
rvRasRegistrationRestrictionsAlias RuleEntryRowStatus	<a href="#">RV_ECS.1.28.3.1.2</a>	Read-create	RowStatus	4 = add an alias rule, 6 = delete an alias rule.
rvRasRegistrationRestrictionsEqual Length	<a href="#">RV_ECS.1.28.3.1.3</a>	Read-create	Integer 32	Indicates the number of required digits.
rvRasRegistrationRestrictionsPrefix	<a href="#">RV_ECS.1.28.3.1.4</a>	Read-create	STRING	The E.164 prefix. If the prefix is empty, any prefix will be accepted.
rvRasRegistrationRestrictions Condition	<a href="#">RV_ECS.1.28.3.1.5</a>	Read-create	Integer 32	The condition of the rule: 1 = equal, 2 = bigger than, 3 = smaller than.
<b>rvRasConfigurationRadiusTable</b>	<a href="#">RV_ECS.1.29.1</a>	Not accessible	SEQUENCE OF rvRasConfig urationRadiu sTableEntry	This table contains information about rvRasConfiguration RadiusTableEntry parameters.
rvRasConfigurationRadiusTableEntry	<a href="#">RV_ECS.1.29.1.1</a>	Not accessible		Contains objects that describe the rvRasConfiguration Radius parameters.

## Object Identifier Abbreviations

Variable Name	OID	Operation	Syntax	Description
INDEX {ifIndex}				The index of the table. A unique value for each interface. Its value ranges between 1 and the value of ifNumber. The value for each interface must remain constant at least from one re-initialization of the entity's network management system to the next re-initialization.
rvRasConfigurationRadiusInit	<a href="#">RV_ECS.1.29.1.1.1</a>	Read-write	Integer 32	4 = enable the plug-in, 6 = disable the plug-in.
rvRasConfigurationRadiusSendInterim	<a href="#">RV_ECS.1.29.1.1.2</a>	Read-write	BOOL	TRUE = send interim, FALSE - do not send interim.
rvRasConfigurationRadiusInterim Interval	<a href="#">RV_ECS.1.29.1.1.3</a>	Read-write	Integer 32	The interval (in seconds) at which the interim is sent.
rvRasConfigurationRadiusMaxServers*	<a href="#">RV_ECS.1.29.1.1.4</a>	Read-only	Integer 32	The maximum number of servers allowed.
rvRasConfigurationRadiusCurrent Servers*	<a href="#">RV_ECS.1.29.1.1.5</a>	Read-only	Integer 32	The current number of servers.
rvRasConfigurationRadius AuthenticationPolicy	<a href="#">RV_ECS.1.29.1.1.6</a>	Read-write	Integer 32	1 = Any alias, 2 = At least 2, 3 = At least 3, 4 = At least 4, 5 = All aliases, 6 = H.323 only, 7 = URL only, 8 = E-mail only, 9 = E.164 only, 10 = Transport only.

Variable Name	OID	Operation	Syntax	Description
<b>rvRasRadiusServerTable</b>	<a href="#">RV_ECS.1.29.2</a>	Not accessible	SEQUENCE OF rvRasRadiusServerTableEntry	This table contains information about RADIUS server entries.
rvRasRadiusServerTableEntry	<a href="#">RV_ECS.1.29.2.1</a>	Not accessible		Contains a list of RADIUS server parameter entries.
INDEX {ifIndex, rvRasRadiusServerIndex}				The index of the table. A unique value for each interface. Its value ranges between 1 and the value of ifNumber. The value for each interface must remain constant at least from one re-initialization of the entity's network management system to the next re-initialization.
rvRasRadiusServerIndex	<a href="#">RV_ECS.1.29.2.1.1</a>	Not accessible	Integer 32	The index of the server.
rvRasRadiusServerRowStatus	<a href="#">RV_ECS.1.29.2.1.2</a>	Read-create	RowStatus	4 = add the server, 6 = delete the server.
rvRasRadiusServerHostName	<a href="#">RV_ECS.1.29.2.1.3</a>	Read-create	STRING	The name of the host of the server.
rvRasRasRadiusServerSecret	<a href="#">RV_ECS.1.29.2.1.4</a>	Read-create	STRING	The secret shared by the ECS and the RADIUS server.
rvRasRadiusServerUserName	<a href="#">RV_ECS.1.29.2.1.5</a>	Read-create	STRING	The user name of the server.
rvRasRadiusServerType	<a href="#">RV_ECS.1.29.2.1.6</a>	Read-create	Integer 32	1 = RFC compliant, 2 = Shiva.

## Object Identifier Abbreviations

Variable Name	OID	Operation	Syntax	Description
rvRasRadiusServerAuthenticationPort	<a href="#">RV_ECS.1.29.2.1.7</a>	Read-create	Integer 32	The RADIUS server authentication port. Default is 1812.
rvRasRadiusServerAccountingPort	<a href="#">RV_ECS.1.29.2.1.8</a>	Read-create	Integer 32	RFC compliant default is 1813, Shiva default is 1812.
<b>rvRasGroupsTable</b>	<a href="#">RV_ECS.1.30.1.1</a>	Not accessible	SEQUENCE OF rvRasGroupsTableEntry	This table contains information about group entries.
rvRasGroupsTableEntry	<a href="#">RV_ECS.1.30.1.1.1</a>	Not accessible		Contains a list of group entries.
INDEX {ifIndex, rvRasGroupIndex}				The index of the table. A unique value for each interface. Its value ranges between 1 and the value of ifNumber. The value for each interface must remain constant at least from one re-initialization of the entity's network management system to the next re-initialization.
rvRasGroupIndex	<a href="#">RV_ECS.1.30.1.1.1.1</a>	Not accessible	Integer 32	The index of the group.
rvRasGroupRowStatus	<a href="#">RV_ECS.1.30.1.1.1.2</a>	Read-create	RowStatus	4 = add the group, 6 = delete the group.
rvRasGroupName	<a href="#">RV_ECS.1.30.1.1.1.3</a>	Read-create	STRING	The name of the group.
rvRasGroupDescription	<a href="#">RV_ECS.1.30.1.1.1.4</a>	Read-create	STRING	The description of the group.
rvRasGroupAllowedBw	<a href="#">RV_ECS.1.30.1.1.1.5</a>	Read-create	Integer 32	Indicates the allowed bandwidth for endpoints in the group. -1 = unlimited.

Variable Name	OID	Operation	Syntax	Description
rvRasGroupClearRules	<a href="#">RV_ECS.1.30.1.1.1.6</a>	Read-create	RowStatus	6 = delete all rules of the specified group.
rvRasGroupAllowMakingCalls	<a href="#">RV_ECS.1.30.1.1.1.7</a>	Read-create	BOOL	TRUE = any endpoint that belongs to this group can make a call.
rvRasGroupAllowReceivingCalls	<a href="#">RV_ECS.1.30.1.1.1.8</a>	Read-create	BOOL	TRUE = any endpoint that belongs to this group can receive a call.
rvRasGroupConfiguredForLdap	<a href="#">RV_ECS.1.30.1.1.1.9</a>	Read-create	BOOL	TRUE = the information from LDAP will indicate whether or not the endpoint belongs to the group.
rvRasGroupNumOfEPs*	<a href="#">RV_ECS.1.30.1.1.1.10</a>	Read-only	Integer 32	Indicates the number of endpoints belonging to the specified group.
<b>rvRasGroupRulesTable</b>	<a href="#">RV_ECS.1.30.1.2</a>	Not accessible	SEQUENCE OF rvRasGroupRulesTableEntry	This table contains information about group rule entries.
rvRasGroupRulesTableEntry	<a href="#">RV_ECS.1.30.1.2.1</a>	Not accessible		Contains a list of group rule entries.
INDEX {ifIndex, rvRasGroupIndex, rvRasGroupRuleIndex}				The index of the table. A unique value for each interface. Its value ranges between 1 and the value of ifNumber. The value for each interface must remain constant at least from one re-initialization of the entity's network management system to the next re-initialization.

## Object Identifier Abbreviations

Variable Name	OID	Operation	Syntax	Description
rvRasGroupIndex	<a href="#">RV_ECS.1.30.1.1.1.1</a>	Not accessible	Integer 32	The index of the group.
rvRasGroupRuleIndex	<a href="#">RV_ECS.1.30.1.2.1.1</a>	Not accessible	Integer 32	The index of the rule in the group.
rvRasGroupRuleRowStatus	<a href="#">RV_ECS.1.30.1.2.1.2</a>	Read-create	RowStatus	4 = add the rule, 6 = delete the rule.
rvRasGroupRuleType	<a href="#">RV_ECS.1.30.1.2.1.3</a>	Read-only	Integer 32	The type of the rule: 1 = E.164 (prefix + length), 2 = Generic (any alias type), 3 = IP range, 4 = IP subnet.
rvRasGroupRuleValue	<a href="#">RV_ECS.1.30.1.2.1.4</a>	Read-create	STRING	The rule.
rvRasGroupRuleDisplay	<a href="#">RV_ECS.1.30.1.2.1.5</a>	Read-only	STRING	The description of the rule.
<b>rvRasGroupServicesTable</b>	<a href="#">RV_ECS.1.30.1.3</a>	Not accessible	SEQUENCE OF rvRasGroupServicesTableEntry	This table contains information about group service entries.
rvRasGroupServicesTableEntry	<a href="#">RV_ECS.1.30.1.3.1</a>	Not accessible		Contains a list of group service entries.
INDEX {ifIndex, rvRasGroupIndex, rvRasGroupServiceTag, rvRasGroupServiceLength, rvRasGroupServicePrefix }				The index of the table. A unique value for each interface. Its value ranges between 1 and the value of ifNumber. The value for each interface must remain constant at least from one re-initialization of the entity's network management system to the next re-initialization.

Variable Name	OID	Operation	Syntax	Description
rvRasGroupIndex	<a href="#">RV_ECS.1.30.1.1.1.1</a>	Not accessible	Integer 32	The index of the group.
rvRasGroupServiceTag	<a href="#">RV_ECS.1.30.1.3.1.1</a>	Not accessible	MmAliasTag	The type of the service.
rvRasGroupServiceLength	<a href="#">RV_ECS.1.30.1.3.1.2</a>	Not accessible	Integer 32	The length of the service prefix.
rvRasGroupServicePrefix	<a href="#">RV_ECS.1.30.1.3.1.3</a>	Not accessible	STRING	The service prefix.
rvRasGroupServiceAllowed	<a href="#">RV_ECS.1.30.1.3.1.4</a>	Read-write	BOOL	1 = this service is allowed by this group, 2 = this service is not allowed by this group.
rvRasGroupServiceDescription*	<a href="#">RV_ECS.1.30.1.3.1.5</a>	Read-only	STRING	The description of the service.
rvRasGroupServiceStatus	<a href="#">RV_ECS.1.30.1.3.1.6</a>	Read-only	Integer 32	1 = online provider, 2 = predefined, 3 = predefined and online provider
<b>rvRasGroupConfigurationTable</b>	<a href="#">RV_ECS.1.30.1.4</a>	Not accessible	SEQUENCE OF rvRasGroupConfigurationTableEntry	This table contains information about group configuration entries.
rvRasGroupConfigurationTableEntry	<a href="#">RV_ECS.1.30.1.4.1</a>	Not accessible		Contains a list of group configuration entries.

## Object Identifier Abbreviations

Variable Name	OID	Operation	Syntax	Description
INDEX {ifIndex}				The index of the table. A unique value for each interface. Its value ranges between 1 and the value of ifNumber. The value for each interface must remain constant at least from one re-initialization of the entity's network management system to the next re-initialization.
rvRasGroupAutoAllowNewService	<a href="#">RV_ECS.1.30.1.4.1.1</a>	Read-write	BOOL	TRUE = allow a new service in the group.
rvRasGroupEnableModule	<a href="#">RV_ECS.1.30.1.4.1.2</a>	Read-write	BOOL	TRUE = the module is enabled.
<b>rvRasGroupEPsTable</b>	<a href="#">RV_ECS.1.30.1.5</a>	Not accessible	SEQUENCE OF rvRasGroupEPsTableEntry	This table contains information about group endpoint entries.
rvRasGroupEPsTableEntry	<a href="#">RV_ECS.1.30.1.5.1</a>	Not accessible		Contains a list of group endpoint entries.
INDEX {ifIndex, rvRasGroupIndex, rvRasRegistrationCallSignallingAddressTag, rvRasRegistrationCallSignallingAddress, rvRasRegistrationSrcRasAddressTag, rvRasRegistrationSrcRasAddress}				The index of the table. A unique value for each interface. Its value ranges between 1 and the value of ifNumber. The value for each interface must remain constant at least from one re-initialization of the entity's network management system to the next re-initialization.
rvRasGroupIndex	<a href="#">RV_ECS.1.30.1.1.1.1</a>	Not accessible	Integer 32	The index of the group.

Variable Name	OID	Operation	Syntax	Description
rvRasRegistrationCallSignallingAddressTag	<a href="#">RAS.2.1.1.1</a>	None	MmTAddressTag	The Call Signaling IP address tag of the endpoint.
rvRasRegistrationCallSignallingAddress	<a href="#">RAS.2.1.1.2</a>	None	TAddress	The Call Signaling IP address of the endpoint.
rvRasRegistrationSrcRasAddressTag	<a href="#">RAS.2.1.1.3</a>	None	MmTAddressTag	The RAS IP address tag of the source endpoint.
rvRasRegistrationSrcRasAddress	<a href="#">RAS.2.1.1.4</a>	None	TAddress	The RAS IP address of the source endpoint.
rvRasGroupEPRowStatus*	<a href="#">RV_ECS.1.30.1.5.1.1</a>	Read-only	RowStatus	4 = add the endpoint to the group, 6 = delete the endpoint from the group.
rvRasGroupIndexOfEP*	<a href="#">RV_ECS.1.30.1.5.1.2</a>	Read-only	Integer 32	The number of the endpoint in the group.
<b>rvRasGroupGlobalServicesTable</b>	<a href="#">RV_ECS.1.30.1.6</a>	Not accessible	SEQUENCE OF RvRasGroupGlobalServicesTableEntry	This table contains information about group global service entries.
rvRasGroupGlobalServicesTableEntry	<a href="#">RV_ECS.1.30.1.6.1</a>	Not accessible	RvRasGroupGlobalServicesTableEntry	Contains a list of group global service entries.
INDEX {ifIndex, rvRasGroupIndex, rvRasGroupGlobalServiceLength, rvRasGroupGlobalServicePrefix}				The index of the group global service in the gatekeeper table.
rvRasGroupGlobalServiceLength	<a href="#">RV_ECS.1.30.1.6.1.1</a>	Not accessible	Integer 32	The length of the global service prefix.
rvRasGroupGlobalServicePrefix	<a href="#">RV_ECS.1.30.1.6.1.2</a>	Not accessible	STRING	The global service prefix.

## Object Identifier Abbreviations

Variable Name	OID	Operation	Syntax	Description
rvRasGroupGlobalServiceAllowed	<a href="#">RV_ECS.1.30.1.6.1.3</a>	Read-write	BOOL	1 = global service is allowed by this group, 2 = not allowed.
rvRasGroupGlobalServiceDescription	<a href="#">RV_ECS.1.30.1.6.1.4</a>	Read-write	STRING	The description of the global service.
<b>rvRasSubZonesTable</b>	<a href="#">RV_ECS.1.30.2.1</a>	Not accessible	SEQUENCE OF rvRasSubZonesTableEntry	This table contains information about subzone entries.
rvRasSubZonesTableEntry	<a href="#">RV_ECS.1.30.2.1.1</a>	Not accessible		Contains a list of subzone entries.
INDEX {ifIndex, rvRasSubZoneIndex }				The index of the table. A unique value for each interface. Its value ranges between 1 and the value of ifNumber. The value for each interface must remain constant at least from one re-initialization of the entity's network management system to the next re-initialization.
rvRasSubZoneIndex	<a href="#">RV_ECS.1.30.2.1.1.1</a>	Not accessible	Integer 32	The index of the subzone.
rvRasSubZoneRowStatus	<a href="#">RV_ECS.1.30.2.1.1.2</a>	Read-create	RowStatus	4 = add the subzone, 6 = delete the subzone.
rvRasSubZoneName	<a href="#">RV_ECS.1.30.2.1.1.3</a>	Read-create	STRING	The name of the subzone.
rvRasSubZoneDescription	<a href="#">RV_ECS.1.30.2.1.1.4</a>	Read-create	STRING	The description of the subzone.
rvRasSubZoneClearRules	<a href="#">RV_ECS.1.30.2.1.1.5</a>	Read-create	RowStatus	6 = delete all rules of the specified subzone.

Variable Name	OID	Operation	Syntax	Description
<b>rvRasSubZoneRulesTable</b>	<a href="#">RV_ECS.1.30.2.2</a>	Not accessible	SEQUENCE OF rvRasSubZoneRulesTableEntry	This table contains information about subzone rule entries.
rvRasSubZoneRulesTableEntry	<a href="#">RV_ECS.1.30.2.2.1</a>	Not accessible		Contains a list of subzone rule entries.
INDEX {ifIndex, rvRasSubZoneIndex, rvRasSubZoneRuleIndex }		Read-only	Integer 32	The index of the table. A unique value for each interface. Its value ranges between 1 and the value of ifNumber. The value for each interface must remain constant at least from one re-initialization of the entity's network management system to the next re-initialization.
rvRasSubZoneIndex	<a href="#">RV_ECS.1.30.2.1.1.1</a>	Not accessible	Integer 32	The index of the subzone.
rvRasSubZoneRuleIndex	<a href="#">RV_ECS.1.30.2.2.1.1</a>	Not accessible	Integer 32	The index of the subzone rule.
rvRasSubZoneRuleRowStatus	<a href="#">RV_ECS.1.30.2.2.1.2</a>	Read-create	RowStatus	4 = add the subzone rule, 6 = delete the subzone rule.
rvRasSubZoneRuleType	<a href="#">RV_ECS.1.30.2.2.1.3</a>	Read-create	Integer 32	The type of the rule: 1 = E.164 (prefix + length), 2 = Generic (any alias type), 3 = IP range, 4 = IP subnet.
rvRasSubZoneRuleValue	<a href="#">RV_ECS.1.30.2.2.1.4</a>	Read-create	STRING	The rule.
rvRasSubZoneRuleDisplay*	<a href="#">RV_ECS.1.30.2.2.1.5</a>	Read-only	STRING	The description of the rule.

## Object Identifier Abbreviations

Variable Name	OID	Operation	Syntax	Description
<b>rvRasBandwidthRulesTable</b>	<a href="#">RV_ECS.1.30.3.1</a>	Not accessible	SEQUENCE OF rvRasBandwidthRulesTableEntry	This table contains information about bandwidth rule entries.
rvRasBandwidthRulesTableEntry	<a href="#">RV_ECS.1.30.3.1.1</a>	Not accessible		Contains a list of bandwidth rule entries.
INDEX {ifIndex, rvRasBandwidthRuleIndex}		Read-only	Integer 32	The index of the table. A unique value for each interface. Its value ranges between 1 and the value of ifNumber. The value for each interface must remain constant at least from one re-initialization of the entity's network management system to the next re-initialization.
rvRasBandwidthRuleIndex	<a href="#">RV_ECS.1.30.3.1.1.1</a>	Not accessible	Integer 32	The index of the bandwidth rule.
rvRasBandwidthRuleRowStatus	<a href="#">RV_ECS.1.30.3.1.1.2</a>	Read-create	RowStatus	4 = add the bandwidth rule, 6 = delete the bandwidth rule.
rvRasBandwidthRuleType	<a href="#">RV_ECS.1.30.3.1.1.3</a>	Read-create	Integer 32	The type of the rule: 1 = ECS rule, 2 = subzone rule.
rvRasBandwidthRuleAllowedBw	<a href="#">RV_ECS.1.30.3.1.1.4</a>	Read-create	Integer 32	The allowed bandwidth for this rule.
rvRasBandwidthRuleUsedBw*	<a href="#">RV_ECS.1.30.3.1.1.5</a>	Read-only	Integer 32	The bandwidth used by this rule.
rvRasBandwidthRuleAvailableBw*	<a href="#">RV_ECS.1.30.3.1.1.6</a>	Read-only	Integer 32	The bandwidth available to this rule.

Variable Name	OID	Operation	Syntax	Description
rvRasBandwidthRuleNumECSTo*	<a href="#">RV_ECS.1.30.3.1.1.7</a>	Read-only	Integer 32	The number of ECS Gatekeepers to which this rule applies.
rvRasBandwidthRuleNumSubZoneFrom*	<a href="#">RV_ECS.1.30.3.1.1.8</a>	Read-only	Integer 32	The number of subzones to which this rule applies in an outgoing direction.
rvRasBandwidthRuleNumSubZoneTo*	<a href="#">RV_ECS.1.30.3.1.1.9</a>	Read-only	Integer 32	The number of subzones to which this rule applies in an incoming direction.
rvRasBandwidthRuleIsDedicated	<a href="#">RV_ECS.1.30.3.1.1.10</a>	Read-create	BOOL	TRUE = only this rule will be changed, FALSE = the other rules will also be changed.
rvRasBandwidthRuleName	<a href="#">RV_ECS.1.30.3.1.1.11</a>	Read-create	STRING	The name of the rule.
rvRasBandwidthRuleDescription	<a href="#">RV_ECS.1.30.3.1.1.12</a>	Read-create	STRING	The description of the rule.
rvRasBandwidthRuleReservedBwForOutgoingCall	<a href="#">RV_ECS.1.30.3.1.1.13</a>	Read-create	Integer 32	The bandwidth reserved from the allowed bandwidth for outgoing calls.
rvRasBandwidthRuleClearRulesFrom	<a href="#">RV_ECS.1.30.3.1.1.14</a>	Read-create	RowStatus	Clears all the “From” entries in the bandwidth rules.
rvRasBandwidthRuleClearRulesTo	<a href="#">RV_ECS.1.30.3.1.1.15</a>	Read-create	RowStatus	Clears all the “To” entries in the bandwidth rules.
<b>rvRasBWRuleToECSTable</b>	<a href="#">RV_ECS.1.30.3.2</a>	Not accessible	SEQUENCE OF rvRasBWRuleToECSTableEntry	This table contains information about bandwidth rule to ECS entries.
rvRasBWRuleToECSTableEntry	<a href="#">RV_ECS.1.30.3.2.1</a>	Not accessible		Contains a list of bandwidth rule entries.

## Object Identifier Abbreviations

Variable Name	OID	Operation	Syntax	Description
INDEX {ifIndex, rvRasBandwidthRuleIndex, rvRasBWRuleToECSLength, rvRasBWRuleToECS}		Read-only	Integer 32	The index of the table. A unique value for each interface. Its value ranges between 1 and the value of ifNumber. The value for each interface must remain constant at least from one re-initialization of the entity's network management system to the next re-initialization.
rvRasBandwidthRuleIndex	<a href="#">RV_ECS.1.30.3.1.1.1</a>	Not accessible	Integer 32	The index of the bandwidth rule.
rvRasBWRuleToECSLength	<a href="#">RV_ECS.1.30.3.2.1.1</a>	Not accessible	Integer 32	The length of the ECS.
rvRasBWRuleToECS	<a href="#">RV_ECS.1.30.3.2.1.2</a>	Read-create	STRING	The ECS identifier. Must be set before row status.
rvRasBWRuleToECSRowStatus	<a href="#">RV_ECS.1.30.3.2.1.3</a>	Read-create	RowStatus	4 = add the ECS to the rule, 6 = delete the ECS from the rule.
<b>rvRasBWRuleFromSubZoneTable</b>		Not accessible	SEQUENCE OF rvRasBWRuleFromSubZoneTableEntry	This table contains information about bandwidth rule from subzone entries.
rvRasBWRuleFromSubZoneTable Entry	<a href="#">RV_ECS.1.30.3.3.1</a>	Not accessible		Contains a list of bandwidth rule from subzone entries.

Variable Name	OID	Operation	Syntax	Description
INDEX {ifIndex, rvRasBandwidthRuleIndex, rvRasSubZoneIndex }	<a href="#">RV_ECS.1.30.2.2.1.1</a>	Read-only	Integer 32	The index of the table. A unique value for each interface. Its value ranges between 1 and the value of ifNumber. The value for each interface must remain constant at least from one re-initialization of the entity's network management system to the next re-initialization.
rvRasBandwidthRuleIndex	<a href="#">RV_ECS.1.30.3.1.1.1</a>	Not accessible	Integer 32	The index of the bandwidth rule.
rvRasSubZoneIndex	<a href="#">RV_ECS.1.30.2.1.1.1</a>	Not accessible	Integer 32	The index of the subzone.
rvRasBWRuleFromSubZoneRow Status	<a href="#">RV_ECS.1.30.3.3.1.1</a>	Read-create	RowStatus	4 = add the subzone to the rule, 6 = delete the subzone from the rule.
<b>rvRasBWRuleToSubZoneTable</b>	<a href="#">RV_ECS.1.30.3.4</a>	Not accessible	SEQUENCE OF rvRasBWRuleToSubZoneTableEntry	This table contains information about bandwidth rule to subzone entries.
rvRasBWRuleToSubZoneTable Entry	<a href="#">RV_ECS.1.30.3.4.1</a>	Not accessible		Contains a list of bandwidth rule to subzone entries.

## Object Identifier Abbreviations

Variable Name	OID	Operation	Syntax	Description
INDEX {ifIndex, rvRasBandwidthRuleIndex, rvRasSubZoneIndex }		Read-only	Integer 32	The index of the table. A unique value for each interface. Its value ranges between 1 and the value of ifNumber. The value for each interface must remain constant at least from one re-initialization of the entity's network management system to the next re-initialization.
rvRasBandwidthRuleIndex	<a href="#">RV_ECS.1.30.3.1.1.1</a>	Not accessible	Integer 32	The index of the bandwidth rule.
rvRasSubZoneIndex	<a href="#">RV_ECS.1.30.2.1.1.1</a>	Not accessible	Integer 32	The index of the subzone.
rvRasBWRuleToSubZoneRow Status	<a href="#">RV_ECS.1.30.3.4.1.1</a>	Read-create	RowStatus	4 = add the subzone to the rule, 6 = delete the subzone from the rule.
<b>rvRasBWConfigurationTable</b>	<a href="#">RV_ECS.1.30.3.5</a>	Not accessible	SEQUENCE OF rvRasBWCo nfigurationTa bleEntry	This table contains information about bandwidth configuration.
rvRasBWConfigurationTableEntry	<a href="#">RV_ECS.1.30.3.5.1</a>	Not accessible		

Variable Name	OID	Operation	Syntax	Description
INDEX {ifIndex, rvRasBWConfigurationMonitoring, rvRasBWConfigurationRejectCalls}		Read-only	Integer 32	The index of the table. A unique value for each interface. Its value ranges between 1 and the value of ifNumber. The value for each interface must remain constant at least from one re-initialization of the entity's network management system to the next re-initialization.
rvRasBWConfigurationMonitoring	<a href="#">RV_ECS.1.30.3.5.1.1</a>	Read-write	BOOL	TRUE = will monitor the bandwidth.
rvRasBWConfigurationRejectCalls	<a href="#">RV_ECS.1.30.3.5.1.2</a>	Read-write	BOOL	TRUE = will reject calls.
rvRasBWConfigurationCurrentInterZoneBW*	<a href="#">RV_ECS.1.30.3.5.1.3</a>	Read-only	Integer 32	Indicates the current interzone bandwidth.

# 4

## ACCESSING SNMP COMMUNITY SETTINGS

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### WHAT'S IN THIS CHAPTER

This chapter describes how you access Microsoft SNMP community configuration settings for operation with the ECS, including:

- [SNMP Community](#)
- [Accessing the SNMP Community on Windows NT](#)
- [Accessing the SNMP Community on Windows 2000](#)

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**Note** You must install the Microsoft SNMP service before installing the ECS. For instructions on installing the Microsoft SNMP service on the Windows NT and Windows 2000 operating systems, see the [Additional Installation Information](#) appendix of the *ECS User Guide*.

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### SNMP COMMUNITY

When working with the ECS, you must use the same SNMP community as is configured for the Microsoft SNMP service. The following sections describe how you access the SNMP community configuration settings when the SNMP service is installed on the Windows NT and Windows 2000 operating systems.

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**Warning** To ensure that your ECS is secure from outside infiltration, RADVISION recommends that you change the default settings of the SNMP service community parameters.

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## ACCESSING THE SNMP COMMUNITY ON WINDOWS NT

This procedure describes how you access the Microsoft SNMP community configuration settings on the Windows NT operating system.



### To access the Microsoft SNMP community configuration settings on Windows NT

1. From the **Start** menu, select **Settings | Control Panel | Network**.

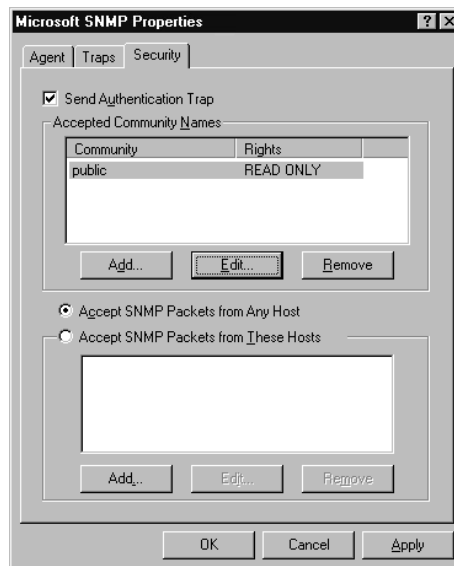
The **Network** window displays.

2. In the **Services** tab select **SNMP Service** in the **Network Services** list and click **Properties**.

The **Microsoft SNMP Properties** dialog box displays.

3. Select the **Security** tab.

The SNMP community configuration settings are displayed.



**Figure 4-1** Microsoft SNMP Properties Dialog Box

## ACCESSING THE SNMP COMMUNITY ON WINDOWS 2000



This procedure describes how you access the Microsoft SNMP community configuration settings on the Windows 2000 operating system.

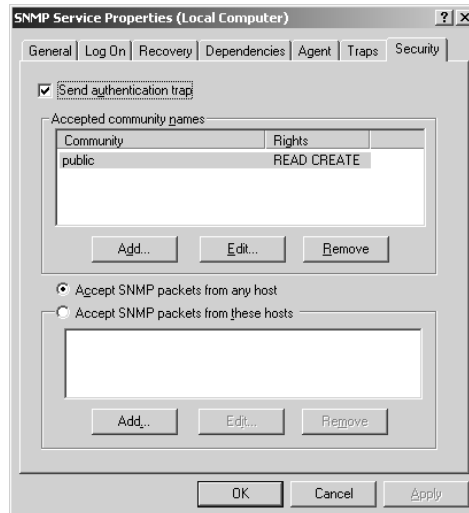
### To access the Microsoft SNMP community configuration settings on Windows 2000

1. From the **Start** menu of the target device, select **Settings | Control Panel | Administrative Tools | Services** and double click the SNMP service.
2. Right click **SNMP** from the list of services and click **Properties**.

The **SNMP Service Properties (Local Computer)** dialog box displays.

3. Select the **Security** tab.

The SNMP community configuration settings are displayed.



**Figure 4-2** *SNMP Service Properties (Local Computer) Dialog Box*

# 5

## USING THE MIB

---

### WHAT'S IN THIS CHAPTER

This chapter provides examples of how you can use SNMP requests to access the MIB database to add registrations and to retrieve information about endpoints, including:

- Accessing Parameter Tables
- Representing Port Numbers in SNMP Requests
- Adding a New Predefined Endpoint to the Gatekeeper
- Adding an Alias to an Endpoint
- Obtaining a List of Registered Endpoints
- Checking Current Endpoint Activity
- Checking Endpoint Status
- Checking Endpoint Type
- Establishing a Call Between Two Endpoints via the Gatekeeper
- Adding a Group
- Modifying/Deleting a Group

### ACCESSING PARAMETER TABLES

All the MIB parameters are addressed using object identifiers (OIDs). The OID is formed from four parts:

*{MIB OID. Table OID. Column OID. Row OID}*

This section describes how the SNMP manager performs various operations on the tables in the managed device. Operations can be on a single row or on a single table. However, some tables are inter-dependent so that corresponding rows in different tables are considered parts of the same row. These are consolidated rows.

## Accessing Parameter Tables

For example:

- A row in the standard MIB table and the corresponding row in the Private extension table.
- All the rows of a multiple dimension table in which one of the indexes corresponds to the index in a row of a single dimension table.

The operations described below are defined for such consolidated rows.

---

**Note** All of the operations detailed below may require protection against simultaneous access by multiple SNMP managers and the gatekeeper itself.

---

### ACCESSING A SPECIFIC PART OF THE TABLE

To access a specific part of the table, the management device needs the OIDs for all required rows. When the management device has the OID of a specific row, it can reach the table row as specified in [Accessing A Table Row](#).

To obtain the OIDs for rows at the beginning of a table, the manager performs the “get next” operation that uses the OID equal to *{MIB OID. Table OID}* and continues with the OIDs which are returned as a result of this operation.

To obtain the OIDs for a specific row in the middle of a table, the manager performs the “get next” operation that uses OID equal to *{MIB OID. Table OID}* and continues with the OIDs which are returned as a result of this operation. In this case, however, the first “get next” operation should use OID equal to *{MIB OID. Table OID. 1st accessible column OID. Preceding Row OID}*.

### ACCESSING A TABLE ROW

To access a table row, or part of a table row, the SNMP manager should perform the “get” operation for the required columns in the table.

### MODIFYING A TABLE ROW

Modifying a table row is similar to the process for accessing a row, except that the operation to be performed is the “set” operation.

### ADDING A TABLE ROW

To add a row to a table, the manager needs to know the OID of the new row. In H.341 MIB and in the Private RADVISION Gatekeeper MIB extension, the row OID consists of some row parameters that are defined to be unique in the specific table. In this way, the manager knows the OID of the new row without accessing the managed device.

To add a row, the manager performs the “set(createAndGo(4))” operation on the *RowStatus* parameter of the row to be created.

## DELETING A TABLE ROW

To delete a row, the manager performs the “set (destroy (6))” operation on the *RowStatus* parameter of the row to be deleted.

## REPRESENTING PORT NUMBERS IN SNMP REQUESTS

This section describes the procedure for representing port numbers in the syntax of SNMP requests.

Port number representations are derived using the following method:

1.  $[Port\ number] \text{ divided by } 256 = x.y$   
 $1719 \text{ divided by } 256 = 6.71484375$
2.  $x.y - x.0 = 0.y$   
 $6.71484375 - 6.0 = 0.71484375$
3.  $0.y \times 256 = z$   
 $0.71484375 \times 256 = 183$
4. Port number in SNMP request is represented by **x.z**  
 1719 in SNMP request is represented by **6.183**

## ADDING A NEW PREDEFINED ENDPOINT TO THE GATEKEEPER

This section describes the procedures for adding a new predefined endpoint to the MIB database.



### To add a predefined endpoint to the gatekeeper

1. Add the endpoint to the MIB database (see [Example 1](#)).
2. Set the endpoint type in the MIB database (see [Example 2](#)).
3. Set the endpoint RAS IP address in the MIB database (see [Example 3](#)).

### Example 1 Adding a predefined endpoint to the MIB database

In this example, the endpoint has the following details:

- IP address: 172.20.69.200
- Port: 1719

Use the **snmpset** request and the following format:

```
snmpset :
0.0.8.341.1.1.2.2.1.1.12.1.1.172.20.69.200.6.
183.1.172.20.69.200.6.183 i 4
```

## Adding a New Predefined Endpoint to the Gatekeeper

where:

- **0.0.8.341.1.1.2.2.1.1** is the OID of the Registration Table.
- **12** is the number of the parameter in the table.
- **1** is the *ifIndex* number.
- **1** is the type of the source Call Signaling address.
- **172.20.69.200** is the endpoint IP address.
- **6.183** represents the endpoint port number 1719.  
For information about representing port numbers in SNMP requests, see [Representing Port Numbers in SNMP Requests](#).
- **1** is the type of the source RAS address.
- **172.20.69.200** is the endpoint IP address.
- **6.183** represents the endpoint port number 1719.
- **i** represents an integer.
- **4** represents adding a new endpoint.

### Example 2      Setting the endpoint type in the MIB database

In this example, the endpoint has the following details:

- IP address: 172.20.69.200
- Port: 1719

Use the **snmpset** request and the following format:

```
snmpset :  
1.3.6.1.4.1.903.5.1.6.1.1.9.1.1.172.20.69.200.  
6.183.1.172.20.69.200.6.183 i 50
```

where:

- **1.3.6.1.4.1.903.5.1.6.1.1** is the OID of the Registration Table.
- **9** is the number of the parameter in the table.
- **1** is the *ifIndex* number.
- **1** is the type of the source Call Signaling address.
- **172.20.69.200** is the endpoint IP address.
- **6.183** represents the endpoint port number 1719.  
For information about representing port numbers in SNMP requests, see [Representing Port Numbers in SNMP Requests](#).
- **1** is the type of the source RAS address.
- **172.20.69.200** is the endpoint IP address.

- **6.183** represents the endpoint port number 1719.
- **i** represents an integer.
- **50** represents the type of terminal.

### Example 3      [Setting the endpoint RAS IP address in the MIB database](#)

In this example, the endpoint has the following details:

- IP address: 172.20.69.200
- Port: 1719

Use the **snmpset** request and the following format:

```
snmpset :
1.3.6.1.4.1.903.5.1.6.1.1.15.1.1.172.20.69.
200.6.183.1.172.20.69.200.6.183 s 172.20.69.
200.6.183
```

where:

- **1.3.6.1.4.1.903.5.1.6.1.1** is the OID of the Registration Table.
- **15** is the number of the parameter in the table.
- **1** is the *ifIndex* number.
- **1** is the type of the source Call Signaling address.
- **172.20.69.200** is the endpoint IP address.
- **6.183** represents the endpoint port number 1719.

For information about representing port numbers in SNMP requests, see [Representing Port Numbers in SNMP Requests](#).

- **1** is the type of the source RAS address.
- **172.20.69.200** is the endpoint IP address.
- **6.183** represents the endpoint port number 1719.
- **s** represents a string.
- **172.20.69.200.6.183** is the new RAS IP address and port number.

### ADDING AN ALIAS TO AN ENDPOINT



This section describes the procedures for adding an alias to an endpoint in the MIB database.

#### To add an alias to an endpoint

1. Set a gatekeeper alias type (see [Example 4](#)).
2. Set a gatekeeper alias string (see [Example 5](#)).
3. Add the gatekeeper alias to the MIB database (see [Example 6](#)).

#### Example 4      Setting a gatekeeper alias type

In this example, the endpoint has the following details:

- IP address: 172.20.69.200
- Port: 1719
- Alias type: E.164
- Alias string: 106

Use the **snmpset** request and the following format:

```
snmpset :  
1.3.6.1.4.1.903.5.1.6.2.1.2.1.1.172.20.69.200.  
6.183.1 i 1
```

where

- **1.3.6.1.4.1.903.5.1.6.2.1** is the OID of the Alias Registration Table.
- **15** is the number of the parameter in the table.
- **1** is the *ifIndex* number.
- **1** is the type of the source Call Signaling address.
- **172.20.69.200** is the endpoint IP address.
- **6.183** represents the endpoint port number 1719.

For information about representing port numbers in SNMP requests, see [Representing Port Numbers in SNMP Requests](#).

- **1** represents the number of the alias in the database.
- **i** represents an integer.
- **1** represents an E.164 alias.

**Example 5**      **Setting a gatekeeper alias string**

In this example, the endpoint has the following details:

- IP address: 172.20.69.200
- Port: 1719
- Alias type: E.164
- Alias string: 106

Use the **snmpset** request and the following format:

```
snmpset :
1.3.6.1.4.1.903.5.1.6.2.1.3.1.1.172.20.69.200.
6.183.1 s 106
```

where

- **1.3.6.1.4.1.903.5.1.6.2.1** is the OID of the Alias Registration Table.
- **3** is the number of the parameter in the table.
- **1** is the *ifIndex* number.
- **1** is the type of the source Call Signaling address.
- **172.20.69.200** is the endpoint IP address.
- **6.183** represents the endpoint port number 1719.  
For information about representing port numbers in SNMP requests, see [Representing Port Numbers in SNMP Requests](#).
- **1** represents the number of the alias in the database.
- **s** represents a string.
- **106** is the string.

**Example 6**      **Add the gatekeeper alias to the MIB database**

In this example, the endpoint has the following details:

- IP address: 172.20.69.200
- Port: 1719
- Alias type: E.164
- Alias string: 106

Use the **snmpset** request and the following format:

```
snmpset :
1.3.6.1.4.1.903.5.1.6.2.1.4.1.1.172.20.69.200.
6.183.1 i 4
```

## Obtaining a List of Registered Endpoints

where

- **1.3.6.1.4.1.903.5.1.6.2.1** is the OID of the Alias Registration Table.
- **3** is the number of the parameter in the table.
- **1** is the *ifIndex* number.
- **1** is the type of the source Call Signaling address.
- **172.20.69.200** is the endpoint IP address.
- **6.183** represents the endpoint port number 1719.

For information about representing port numbers in SNMP requests, see [Representing Port Numbers in SNMP Requests](#).

- **1** represents the number of the alias in the database.
- **i** represents an integer.
- **4** represents adding a new alias.

## OBTAINING A LIST OF REGISTERED ENDPOINTS

This section describes the procedures for obtaining a list of all the endpoints currently registered to the gatekeeper.

In the following examples, three endpoints are registered to the gatekeeper. The endpoint details are as follows:

- Endpoint 1
  - Online
  - IP address and port: 172.20.69.1:1719
  - Type: terminal
- Endpoint 2
  - Online
  - IP address and port: 172.20.69.2:1719
  - Type: gateway



### To obtain a list of registered endpoints

1. Retrieve information about the first endpoint in the Registration Table (see [Example 7](#)).
2. Request information about the next endpoint in the Registration Table (see [Example 8](#)).
3. Continue until you return to the first endpoint in the Registration Table (see [Example 9](#)).

### Example 7      Retrieving information about the first endpoint in the Registration Table

Use the **snmpgetnext** request and the following format:

```
snmpgetnext: 1.3.6.1.4.1.903.5.1.6.1
```

---

**Note** This request will retrieve information on the **first** parameter of the **first** endpoint in the Registration Table.

---

```
response:
1.3.6.1.4.1.903.5.1.6.1.1.1.1.172.20.69.1.6.
183.1.172.20.69.1.6.184:0
```

where

- **1.3.6.1.4.1.903.5.1.6.1** is the OID of the Registration Table.
- **1** is the number of the parameter in the table.
- **1.1.172.20.69.1.6.183.1.172.20.69.1.6.184** is the index of the first endpoint in the Registration Table.
- **0** is the number of supported prefixes.

### Example 8      Retrieving information about the next endpoint in the Registration Table

Use the **snmpgetnext** request and the following format:

```
snmpgetnext:
1.3.6.1.4.1.903.5.1.6.1.1.1.1.172.20.69.1.6.18
3.1.172.20.69.1.6.184
```

---

**Note** This request will retrieve information on the **first** parameter of the **second** endpoint in the Registration Table.

---

```
response:
1.3.6.1.4.1.903.5.1.6.1.1.1.1.172.20.69.2.6.18
3.1.172.20.69.2.6.184:2
```

## Obtaining a List of Registered Endpoints

where

- **1.3.6.1.4.1.903.5.1.6.1** is the OID of the Registration Table.
- **1** is the number of the parameter in the table.
- **1.1.172.20.69.2.6.183.1.172.20.69.2.6.184** is the index of the second endpoint in the Registration Table.
- **2** is the number of supported prefixes.

### Example 9 [Returning to the first endpoint in the Registration Table](#)

Use the **snmpgetnext** request and the following format:

```
snmpgetnext:  
1.3.6.1.4.1.903.5.1.6.1.1.1.1.172.20.69.200.6.  
183.1.172.20.69.200.6.184
```

---

**Note** This request will retrieve information on the **second** parameter of the **first** endpoint in the Registration Table.

---

```
response:  
1.3.6.1.4.1.903.5.1.6.1.2.1.1.172.20.69.1.6.18  
3.1.172.20.69.1.6.184:0
```

where

- **1.3.6.1.4.1.903.5.1.6.1** is the OID of the Registration Table.
- **2** is the number of the parameter in the table.
- **1.1.172.20.69.1.6.183.1.172.20.69.1.6.184** is the index of the second endpoint in the Registration Table.
- **0** is the number of supported prefixes.

## CHECKING CURRENT ENDPOINT ACTIVITY

This section describes the procedure for checking whether or not an endpoint is currently participating in a call.

### Example 10      Checking current endpoint activity

Use the **snmpgetnext** request and the following format:

```
snmpgetnext: 1.3.6.1.4.1.903.5.1.6.1.1.6
```

---

**Note** This request will retrieve information on the **first** endpoint in the Registration Table.

---

```
response:
1.3.6.1.4.1.903.5.1.6.1.6.1.1.172.20.69.1.6.18
3.1.172.20.69.1.6.184:1
```

where

- **1.3.6.1.4.1.903.5.1.6.1** is the OID of the Registration Table.
- **6** is the number of the parameter in the table.
- **1.1.172.20.69.1.6.183.1.172.20.69.1.6.184** is the index of the first endpoint in the Registration Table.
- **1** is the returned value (= participating in a call, 2 = not participating in a call).

## CHECKING ENDPOINT STATUS

This section describes the procedure for checking whether an endpoint is predefined or online or both.

### Example 11      Checking endpoint status

Use the **snmpgetnext** request and the following format:

```
snmpgetnext: 1.3.6.1.4.1.903.5.1.6.1.1.3
```

---

**Note** This request will retrieve information on the **first** endpoint in the Registration Table.

---

```
response:
1.3.6.1.4.1.903.5.1.6.1.1.3.1.1.172.20.69.1.6.
183.1.172.20.69.1.6.184:2
```

## Checking Endpoint Type

where

- **1.3.6.1.4.1.903.5.1.6.1.1** is the OID of the Registration Table.
- **3** is the number of the parameter in the table.
- **1.1.172.20.69.1.6.183.1.172.20.69.1.6.184** is the index of the first endpoint in the Registration Table.
- **2** is the returned value (= the endpoint is online, 1 = predefined, 3 = both).

## CHECKING ENDPOINT TYPE

This section describes the procedure for checking endpoint type.

### Example 12      Checking endpoint type

Use the **snmpgetnext** request and the following format:

```
snmpgetnext : 0.0.8.341.1.1.2.2.1.1.13
```

---

**Note** This request will retrieve information on the **first** endpoint in the Registration Table.

---

```
response :
```

```
0.0.8.341.1.1.2.2.1.1.13.1.1.172.20.69.1.6.183.1.1.172.20.69.1.6.184:50
```

where

- **0.0.8.341.1.1.2.2.1.1** is the OID of the Registration Table.
- **13** is the number of the parameter in the table.
- **1.1.172.20.69.1.6.183.1.172.20.69.1.6.184** is the index of the first endpoint in the Registration Table.
- **50** is the returned value (= the endpoint is a terminal).

## ESTABLISHING A CALL BETWEEN TWO ENDPOINTS VIA THE GATEKEEPER

This section describes the procedures for establishing a call between two endpoints via the ECS.



### To establish a call between two endpoints via the ECS

1. Configure the ECS to work in Call Setup (Q.931) and Call Control (H.245) mode (see [Example 13](#)).
2. Set the required bandwidth for the call (see [Example 14](#)).
3. Establish the call (see [Example 15](#)).
4. Check the status of the call (see [Example 16](#)).

#### Example 13 Configure the ECS to work in Call Setup (Q.931) and Call Control (H.245) mode

Use the **snmpset** request and the following format:

```
snmpset: 1.3.6.1.4.1.903.5.1.1.1.1.19.1 i 3
```

where:

- **1.3.6.1.4.1.903.5.1.1.1.1** is the OID of the Configuration Table.
- **19** is the number of the parameter in the table.
- **1** is the *ifIndex* number.
- **i** represents an integer.
- **3** represents Call Setup (Q.931) and Call Control (H.245) mode.

#### Example 14 Setting the required bandwidth for the call

Use the **snmpset** request and the following format:

```
snmpset:
1.3.6.1.4.1.903.5.1.25.1.1.9.1.1.3.49.48.56.1.
3.49.48.57 i 384
```

where:

- **1.3.6.1.4.1.903.5.1.25.1.1** is the OID of the Third Party Call Control Table.
- **9** is the number of the parameter in the table.
- **1** is the *ifIndex* number.

## Establishing a Call Between Two Endpoints via the Gatekeeper

- **1** represents the Endpoint 1 type—E.164.
- **3** represents the length of the Endpoint 1 alias.
- **49.48.56** represents the Endpoint 1 alias—108.
- **1** represents the Endpoint 2 type—E.164.
- **3** represents the length of the Endpoint 2 alias.
- **49.48.57** represents the Endpoint 2 alias—109.
- **i** represents an integer.
- **384** represents the required bandwidth for the call.

### Example 15 Establishing the call

Use the **snmpset** request and the following format:

```
snmpset :  
1.3.6.1.4.1.903.5.1.25.1.1.7.1.1.3.49.48.56.1.  
3.49.48.57 i 4
```

where:

- **1.3.6.1.4.1.903.5.1.25.1.1** is the OID of the Third Party Call Control Table.
- **7** is the number of the parameter in the table.
- **1** is the *ifIndex* number.
- **1** represents the Endpoint 1 type—E.164.
- **3** represents the length of the Endpoint 1 alias.
- **49.48.56** represents the Endpoint 1 alias—108.
- **1** represents the Endpoint 2 type—E.164.
- **3** represents the length of the Endpoint 2 alias.
- **49.48.57** represents the Endpoint 2 alias—109.
- **i** represents an integer.
- **4** represents establishing a call.

### Example 16 Checking the status of the call

Use the **snmpget** request and the following format:

```
snmpget :  
1.3.6.1.4.1.903.5.1.25.1.1.8.1.1.3.49.48.56.1.  
3.49.48.57
```

where:

- **1.3.6.1.4.1.903.5.1.25.1.1** is the OID of the Third Party Call Control Table.
- **8** is the number of the parameter in the table.
- **1** is the *ifIndex* number.
- **1** represents the Endpoint 1 type—E.164.
- **3** represents the length of the Endpoint 1 alias.
- **49.48.56** represents the Endpoint 1 alias—108.
- **1** represents the Endpoint 2 type—E.164.
- **3** represents the length of the Endpoint 2 alias.
- **49.48.57** represents the Endpoint 2 alias—109.

Returned values:

- 1 = call successfully established.
- 2 = call in progress.
- 3 = failure.

## ADDING A GROUP

This section describes the procedure for adding a group to the ECS.

---

**Note** In [Example 17](#) to [Example 21](#) below, use of the default group number setting 1 is blocked. The first group created is given the number 2.

---



### To add a group to the ECS

1. Set the group global characteristics.
2. Set the rules for the group.
3. Activate the new entry in the *RV\_rasGroupsTable*.

---

**Note** You must use a separate packet to send a request to activate a new entry in the *RV\_rasGroupsTable*.

---

**Example 17**      **Set the group global characteristics**

1. Use the **snmpset** request and the following format:

```
snmpset: 1.3.6.1.4.1.903.5.1.30.1.1.1.2.1.2 i 5
```

where:

- ❑ **1.3.6.1.4.1.903.5.1.30.1.1.1.2** is the OID of the *RV\_rasGroupRowStatus* parameter.
- ❑ **1** is the *ifIndex* number.
- ❑ **2** represents the group number.
- ❑ **i** represents an integer.
- ❑ **5** represents the “createAndWait” value of the parameter.

2. Use the **snmpset** request and the following format:

```
snmpset: 1.3.6.1.4.1.903.5.1.30.1.1.1.3.1.2 s  
<STRING>
```

where:

- ❑ **1.3.6.1.4.1.903.5.1.30.1.1.1.3** is the OID of the *RV\_rasGroupName* parameter.
- ❑ **1** is the *ifIndex* number.
- ❑ **2** represents the group number.
- ❑ **s** represents a string.
- ❑ **<STRING>** represents the name of the group.

3. Use the **snmpset** request and the following format:

```
snmpset: 1.3.6.1.4.1.903.5.1.30.1.1.1.4.1.2 s  
<STRING>
```

where:

- ❑ **1.3.6.1.4.1.903.5.1.30.1.1.1.4** is the OID of the *RV\_rasGroupDescription* parameter.
- ❑ **1** is the *ifIndex* number.
- ❑ **2** represents the group number.
- ❑ **s** represents a string.
- ❑ **<STRING>** represents the description of the group.

4. Use the **snmpset** request and the following format:

```
snmpset: 1.3.6.1.4.1.903.5.1.30.1.1.1.5.1.2 i
<Integer 32>
```

where:

- ❑ **1.3.6.1.4.1.903.5.1.30.1.1.1.5** is the OID of the *RV\_rasGroupAllowedBw* parameter.
- ❑ **1** is the *ifIndex* number.
- ❑ **2** represents the group number.
- ❑ **i** represents an integer.
- ❑ **<Integer 32>** represents the allowed bandwidth for the group.

#### Example 18 Set the rules for the group

1. Use the **snmpset** request and the following format:

```
snmpset: 1.3.6.1.4.1.903.5.1.30.1.2.1.3.1.2.1 i
3
```

where:

- ❑ **1.3.6.1.4.1.903.5.1.30.1.2.1.3** is the OID of the *RV\_rasGroupRuleType* parameter.
- ❑ **1** is the *ifIndex* number.
- ❑ **2** represents the group number.
- ❑ **1** represents the number of the rule.
- ❑ **i** represents an integer.
- ❑ **3** represents the rule type.

2. Use the **snmpset** request and the following format:

```
snmpset: 1.3.6.1.4.1.903.5.1.30.1.2.1.4.1.2.1 s
<STRING>
```

where:

- ❑ **1.3.6.1.4.1.903.5.1.30.1.2.1.4** is the OID of the *RV\_rasGroupRuleValue* parameter.
- ❑ **1** is the *ifIndex* number.
- ❑ **2** represents the group number.
- ❑ **1** represents the number of the rule.
- ❑ **s** represents a string.
- ❑ **<STRING>** represents the rule.



## MODIFYING/ DELETING A GROUP



This section describes the procedure for modifying or deleting a group in the ECS.

### To delete or modify an ECS group

1. Remove the existing group settings.
2. Activate the new entry in the *RV\_rasGroupsTable*.

---

**Note** You must use a separate packet to send a request to activate a new entry in the *RV\_rasGroupsTable*.

---

### Example 20 Remove the existing group settings

1. Use the **snmpset** request and the following format:  

```
snmpset: 1.3.6.1.4.1.903.5.1.30.1.1.1.2.1.2 i 3
```

 where:
  - **1.3.6.1.4.1.903.5.1.30.1.1.1.2** is the OID of the *RV\_rasGroupRowStatus* parameter.
  - **1** is the *ifIndex* number.
  - **2** represents the group number.
  - **i** represents an integer.
  - **3** represents the “notReady” value of the parameter.
2. Use the **snmpset** request and the following format:  

```
snmpset: 1.3.6.1.4.1.903.5.1.30.1.2.1.2.1.2.1 i 6
```

 where:
  - **1.3.6.1.4.1.903.5.1.30.1.2.1.2** is the OID of the *RV\_rasGroupRuleRowStatus* parameter.
  - **1** is the *ifIndex* number.
  - **2** represents the group number.
  - **1** represents the number of the rule.
  - **i** represents an integer.
  - **6** represents the “destroy” value of the parameter.

### Example 21      *Activate the new entry in the `RV_rasGroupsTable`*

---

**Note** You must use a separate packet to send a request to activate a new entry in the `RV_rasGroupsTable`.

---

- ⊙ Use the **snmpset** request and the following format:

```
snmpset: 1.3.6.1.4.1.903.5.1.30.1.1.1.2.1.2 i 1
```

where:

- **1.3.6.1.4.1.903.5.1.30.1.1.1.2** is the OID of the `RV_rasGroupRowStatus` parameter.
- **1** is the *ifIndex* number.
- **2** represents the group number.
- **i** represents an integer.
- **1** represents the “active” value of the parameter.