Overview 2

- ManagedElement (See Core Model)
- ManagedSystemElement (See Core Model)
- LogicalElement (See Core Model)
- NextHopRoute (See Networks Model (Routes))
- OSPFAreaConfiguration (See Networks Model (OSPF))
- BGPPathAttributes (See Networks Model (BGP))
- BGPAttributes (See Networks Model (BGP))
- FilterList (See Networks Model (Filtering))
- RoutingPolicy (See Networks Model (Routing & Forwarding))
- FilterEntryBase (See Networks Model (Filtering))
- AdministrativeDistance (See Networks Model (Routes))
- DynamicForwardingEntry (See Networks Model (Switching & Bridging))
- StaticForwardingEntry (See Networks Model (Switching & Bridging))
- BGPRouteMap (See Networks Model (BGP))
- NextHopRouting (D) (See Networks Model (Routes))
ASNumber: uint16 (D)
IsSingleHomed: boolean
IsTransit: boolean
RequireGPSSync: boolean
RoutingUpdateSource: uint16 (enum)
AggregationType: uint16 (enum)
ExtASNumber: string

RouterInAS: 0..1

CreateNetworkPipes (IN directionality: uint16 [], IN ServiceAccessPoint: ref SourceSAP [], IN ServiceAccessPoint: ref SinkSAP [], OUT ConcreteJob: ref Job, IN, OUT NetworkPipe: ref NetworkPipe): unit32

NetworkType: uint16 []
OtherTypeDescription: string

MaximumNumberOfPorts: uint64
ClassOfService: uint16 [] (enum)
IPProtocolEndpoint
(See Network Model)

IPEncapsulationInterface
- EncapsulationMode: uint16 (enum)
- OtherEncapsulationMode: string
- VRFContext: string
- OuterDestinationIPAddress: string
- TunnelSourceInterface: string

SwitchVirtualInterface (E)
- VLANId: uint16

IPSubinterface (E)
- EncapsulationType: uint16 (enum)
- ParentInterface: string
- EncapsulationValue: string
- OtherEncapsulationType: string
- ElementName: string

IPLoopback (E)
- ElementName: string
NextHopRoute

- InstanceID: string {key}
- DestinationAddress: string
- AdminDistance: uint16
- RouteMetric: uint16
- IsStatic: boolean
- TypeOfRoute: uint16 {enum}
- NextHopAddress: string {E}
- NextHopInterface: string

ManagedSystemElement

(See Core Model)

LogicalElement

(See Core Model)

EnabledLogicalElement

(See Core Model)

RemoteServiceAccessPoint

(See Core Model)

ServiceAccessPoint

(See Core Model)

Service

(See Core Model)

System

(See Core Model)

AdminDomain

(See Core Model)

NetworkService (D)

(See Networks Model page - Routing and Forwarding)

ForwardingService

(See Networks Model page - Routing and Forwarding)

RouteCalculationService

(See Networks Model page - Routing and Forwarding)

IPRoute (D)

(See Networks Model page - Routing and Forwarding)

NextHopRouting (D)

- DestinationAddress: string
- DestinationMask: string
- NextHop: string
- IsStatic: boolean
Filtering

Association
Aggregation
Association with WEAK reference
Aggregation with WEAK reference
Composition Aggregation
* Equivalent to: 0 .. n

ManagedElement
(See Core Model)

ManagedSystemElement
(See Core Model)

LogicalElement
(See Core Model)

FilterEntryBase
CreationClassName: string (key)
Name: string (override, key)
IsNegated: boolean

FilterEntry
TrafficType: uint16 (enum)
OtherTrafficType: string
MatchConditionType: uint16 (enum)
OtherMatchConditionType: string
MatchConditionValue: string
Action: uint16 (enum)
DefaultFilter: boolean
TrafficClass: string

PreambleFilter
FilterItemList: string[]

IPHeadersFilter
HdrIPVersion: uint8 (enum)
HdrSrcAddress: uint8[] (OctetString)
HdrSrcAddressEndOfRange: uint8[] (OctetString)
HdrSrcMask: uint8[] (OctetString)
HdrDestAddress: uint8[] (OctetString)
HdrDestAddressEndOfRange: uint8[] (OctetString)
HdrDestMask: uint8[] (OctetString)
HdrProtocolID: uint8
HdrSrcPortStart: uint16
HdrSrcPortEnd: uint16
HdrDestPortStart: uint16
HdrDestPortEnd: uint16
HdrDSCP: uint8
HdrFlowLabel: uint8[] (OctetString)

X509CredentialFilterEntry
MatchFieldName: string [req’d]
MatchFieldValue: string [req’d]

PeerPayloadFilterEntry
MatchIdentityType: uint16 [req’d, enum]
MatchIdentityValue: string [req’d]

IPSOFilterEntry
MatchConditionType: uint16 [req’d, enum]
ClassificationLevel: uint16 [req’d, enum]
OtherClassificationLevel: string
ProtectionAuthorities[]: uint16 [req’d, enum]
OtherProtectionAuthorities[]: string

H8021Filter
HdrSrcMACAddr8021: uint8[] (OctetString)
HdrSrcMACMask8021: uint8[] (OctetString)
HdrDestMACAddr8021: uint8[] (OctetString)
HdrDestMACMask8021: uint8[] (OctetString)
HdrProtocolID8021: uint16
HdrPriorityValue8021: uint8
HdrVLANID8021: uint32

HostedFilterList
CreationClassName: string (key)
Name: string (key)
Direction: uint16 (enum)

ComputerSystem
(See System Model)
Buffers

Association

Aggregation

Association with WEAK reference

Aggregation with WEAK reference

Composition Aggregation

Equivalent to: 0..n

Component

ManagedElement

(Logical Identity)

Dependency

ManagedSystemElement

(Logical Identity)

Collection

(Logical Identity)

CollectionOMSEs

(Logical Identity)

BufferPool

CollectionID: string {override, key}
CreationClassName: string {key}
Name: string
BufferSize: uint16 {D, units}
BufferSize: uint32 {units}
TotalBuffers: uint32
AvailableBuffers: uint32
SharedBuffers: uint32

BufferPool

MPLSBuffers {E}
MAxAllocMultiplier: uint16 {units}
ResourceClasses: uint32

ServiceAccessPoint

(Logical Identity)

ProtocolEndpoint

(Logical Identity)

EnabledLogicalElement

(Logical Identity)

CollectionOfMSEs

(Logical Identity)

MPLSProtocolEndpoint

(Logical Identity)

See Core Model

See Core Model

See Core Model

See Core Model

See Core Model

See Network Model (Protocol Endpoints)
**OSPF**

- **See Core Model**

**LogicalElement**

- **Capabilities**
  - SupportedNSSA: boolean
  - SupportOnDemand: boolean
  - SupportMOSPF: boolean

**ManagedSystemElement**

- **ManagedElement**
  - (See Core Model)

**Component**

**Dependency**

- **Collection**
  - (See Core Model)

**System**

- **Service**
  - (See Core Model)
    - **NetworkService**
      - (See Networks Model (Routing & Forwarding))
    - **RouteCalculationService**
      - (See Networks Model (Routing & Forwarding))

**OSPFService**

- **RunningMOSPF**: boolean
- **IsIntermediateAreaMulticastForwarder**: boolean
- **IsIntermediateAsMulticastForwarder**: boolean
- **ExitOverflowInterval**: uint32
- **RFC1583Compatibility**: boolean

**OSPFServiceCapabilities**

- **SupportNSSA**: boolean
- **SupportOnDemand**: boolean
- **SupportMOSPF**: boolean

**EnabledLogicalElement**

- (See Core Model)

**OSPFArea**

- **AreaID**: uint32
- **AreaType**: uint16 (enum)
- **ExitOverflowInterval**: uint32

**RangeOfIPAddresses**

- (See Networks Model (Collections))

**AreaOfConfiguration**

- **InstanceID**: string (key)
- **StubDefaultCost**: uint32
- **StubMetricType**: uint16 (enum)

**OSPFProtocolEndpointBase**

- (See Networks Model (Protocol Endpoints))

**Endpoint**

- **InLink**: 0..1
- **InArea**: 0..1

**ServiceAccessPoint**

- (See Core Model)

**ProtocolEndpoint**

- (See Core Model)

**RoutingProtocolDomain**

- (See Core Model)

**OSPFProtocolEndpointBase**

- (See Networks Model (Protocol Endpoints))

** ConnectivityCollection**

- (See Networks Model (Collections))

**RangesOfConfiguration**

- (See Networks Model (Collections))
Switching & Bridging 2

- **Service**
  - **ServiceStatistics**
    - **ServiceStatisticalInformation**
      - See Core Model

- **ServiceAccessPoint**
  - 1
    - **TransparentBridgingStatistics**
      - **LearnedEntryDiscards**: uint32
    - **SpanningTreeStatistics**
      - **TimeSinceTopologyChange**: uint32
      - **TopChanges**: uint32
    - **SwitchPortStatistics**
      - **InFrames**: uint32
      - **OutFrames**: uint32
      - **InDiscards**: uint32
    - **SwitchPortTransparentBridgingStatistics**
      - **ForwaredTransitions**: uint32
    - **SwitchPortSpanningTreeStatistics**
      - **SpecInFrames**: uint32
      - **SpecOutFrames**: uint32
      - **ApeInFrames**: uint32
      - **ApeOutFrames**: uint32
      - **SteInFrames**: uint32
      - **SteOutFrames**: uint32
      - **SegmentMismatchDiscards**: uint32
      - **DuplicateSegmentDiscards**: uint32
      - **HopCountExceedsDiscards**: uint32
      - **DupLanIdOrTreeErrors**: uint32
      - **LanIdMismatches**: uint32
    - **SwitchPortSourceRoutingStatistics**
      - **SAPStatistics**
        - **1**
          - **SAPStatisticalInformation**
            - See Core Model
    - **DupLanIdOrTreeErrors**: uint32
    - **LanIdMismatches**: uint32
QoS Service

- **PrecedenceValue**: uint8
- **DSCP**: uint8 (D)
- **PHBID**: uint16
- **PriorityValue**: uint8

AFService
- **ClassNumber**: uint8
- **DropperNumber**: uint8

AFRelatedServices
QoS Conditioning Services

ConditioningService

(See Networks Model (QoS))

NextService

AfterMeter

NextServiceAfterClassifierElement

ClassifierService

* ClassifierElement

* ClassifierElementIn ClassifierService

FilterList

* FilterList

UsesFilterList

0..1 ClassifierElement

ClassifierFilterSet (D)

MeterService

* AverageRateMeterService

AverageRate: uint32 (units)

DeltaInterval: uint64 (units)

* EWMAMeterService

AverageRate: uint32 (units)

DeltaInterval: uint64 (units)

Gain: uint32

* TokenBucketMeterService

AverageRate: uint32 (units)

PeakRate: uint32 (units)

BurstSize: uint32 (units)

ExcessBurstSize: uint32 (units)

* MarkerService

PreambleMarkerService

FilterItemList: string []

ToSMarkerService

ToSValue: uint8

DSCPMarkerService

DSCPValue: uint8

Priority8021QMarkerService

PriorityValue: uint8

Inheritance

Association

Aggregation

Composition Aggregation

Equivalent to: 0..n
Page 29 of 47: LinkAggregation (802.3ad)

Inheritance

Association
Association with WEAK reference
Aggregation
Aggregation with WEAK reference
Composition Aggregation

* Equivalent to: 0..n
  (E) Experimental Class or Property
  (D) Deprecated Class or Property

```
{E} LACPPortStatistics (E)
PortStatsLACPDUssRx : uint32
PortStatsMarkerPDUssRx : uint32
PortStatsMarkerResponsePDUssRx : uint32
PortStatsUnknownRx uint32
PortStatsIllegalRx : uint32
PortStatsLACPDUssTx : uint32
PortStatsMarkerPDUssTx : uint32
PortStatsMarkerResponsePDUssTx : uint32
```

```
{E} LAGPort8023ad (E)
ActorSystemID : string
ActorSystemPriority : uint16
ActorPort : uint16
ActorPortPriority : uint16
ActorOperKey : uint16
ActorOperState: uint16 []
ActorAdminKey : uint16
ActorAdminState : uint16 []
RepresentsAggregate : boolean
SelectedAggID : uint32
```

```
{E} LAGControlCapabilities (E)
LAGControlMode : uint16
LAGControlProtocol : uint16
LAGPortPartnerSettings (E)
PortPartnerAdminSystemID : string
PortPartnerAdminSystemPriority : uint16
PortPartnerAdminKey : uint16
PortPartnerAdminPort : uint16
PortPartnerAdminPortPriority : uint16
```

```
{E} ProtocolEndPoint (See System Model)
```

```
{E} LinkAggregator8023ad (E)
ActorSystemID : string
ActorSystemPriority : uint16
TimeOfLastOperChange: datetime
RepresentsAggregate : boolean
MACAddress : string
ActorOperKey : uint16
ActorAdminKey : uint16
CollectorMaxDelay: datetime
```

```
0..1
```

```
RemoteServiceAccessPoint (See Core Model)
```

```
0..1
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HostedAccessPoint
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0..1
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```
LAGPortPartnerConnection (See Core Model)
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```
OverloadingPermitted: boolean

AddressesTo BeTranslated
Subclass of Dependency

TranslationPoolForNAT
Subclass of Dependency

FilterList
(See Networks Model (Filtering))

RangeOfIPAddresses
(See Networks Model (Collections))

ForwardingService
(See Networks Model (Routing & Forwarding))

NATListBasedSettings (E)
OverloadingPermitted: boolean

TimeoutsForNATTranslation (E)
TranslationTimeout: datetime
UDPTimeout: datetime
TCPTimeout: datetime

NATStaticSetting (E)
InsideAddress: string
OutsideAddress: string

NATService (E)

ScopedSettingData
(See Core Model)

NATSettingData (E)
IsInside: boolean
AddressExamined: uint16

ProtocolEndpoint
(See Core and Networks Model (Protocol Endpoints))

ForwardsAmong
Subclass of ForwardsAmong
ConnectedNetwork: uint16

NATServiceRunningOnEndpoint
Subclass of ForwardsAmong
ConnectedNetwork: uint16

Equivalent to: 0..n
iSCSI Configuration Capabilities

- MinimumSpecificationVersionSupported : uint8
- MaximumSpecificationVersionSupported : uint8
- AuthenticationMethodsSupported : uint16[] (enum)
- SupportedFeatures: uint16[] (Enum)
- OtherSupportedFeatures: string[]

Setting Data

- SettingData (See Core Model)

Capabilities

- Capabilities (See Core Model)

ManagedList

- ManagedElement (See Core Model)

Logical Element

- LogicalElement (See Core Model)

Enabled Logical Element

- EnabledLogicalElement (See Core Model)

Service

- Service (See Core Model)

Create iSCSI Protocol Endpoint

- CreateSCSIProtocolEndpoint (IN iSCSINode : ref SCSIProtocolController, IN Role : uint16 (enum), IN Identifier : string, IN NetworkPortals : ref ProtocolEndpoint[]), [OUT] iSCSIPort : ref iSCSIProtocolEndpoint ) : uint32 (enum)

Delete iSCSI Protocol Endpoint

- DeleteSCSIProtocolEndpoint (IN iSCSIPort : ref iSCSIProtocolEndpoint ) : uint32 (enum)

Bind iSCSI Protocol Endpoint

- BindSCSIProtocolEndpoint (IN iSCSIProtocolEndpoint ) : uint32 (enum)

Create iSCSI Node

- CreateSCSI (IN Alias : string, [OUT] iSCSINode : ref SCSIProtocolController) : uint32

Delete iSCSI Node

- DeleteSCSI (IN iSCSINode : ref SCSIProtocolController) : uint32

Max Connections Per Session

- MaxConnectionsPerSession : uint32

Initial R2T Preference

- InitialR2TPreference : boolean

Immediate Data Preference

- ImmediateDataPreference : boolean

Max Outstanding R2T

- MaxOutstandingR2T : uint32

Max Unsolicited First Data Burst Length

- MaxUnsolicitedFirstDataBurstLength : uint32

Max Data Burst Length

- MaxDataBurstLength : uint32

Data Sequence In Order Preference

- DataSequenceInOrderPreference : boolean

Default Time To Wait Preference

- DefaultTimeToWaitPreference : uint32

Default Time To Retain Preference

- DefaultTimeToRetainPreference : uint32

Error Recovery Level Preference

- ErrorRecoveryLevelPreference : uint32

Max Receive Data Segment Length

- MaxReceiveDataSegmentLength : uint32

Primary Header Digest Method

- PrimaryHeaderDigestMethod : uint16 (enum)

Other Primary Header Digest Method

- OtherPrimaryHeaderDigestMethod : uint16 (enum)

Primary Data Digest Method

- PrimaryDataDigestMethod : uint16 (enum)

Other Primary Data Digest Method

- OtherPrimaryDataDigestMethod : uint16 (enum)

Secondary Header Digest Method

- SecondaryHeaderDigestMethod : uint16 (enum)

Other Secondary Header Digest Method

- OtherSecondaryHeaderDigestMethod : string

Requesting Markers On Receive

- RequestingMarkersOnReceive : boolean

Primary Authentication Method

- PrimaryAuthenticationMethod : string

Secondary Authentication Method

- SecondaryAuthenticationMethod : uint16

Secondary Authentication Method
**iSCSI Session Statistics**
- CommandPDUsTransferred: uint64
- ResponsePDUsTransferred: uint64
- BytesTransmitted: uint64
- BytesReceived: uint64
- DigestErrors: uint64
- ConnectionTimeoutErrors: uint64

**iSCSI Login Statistics**
- LoginFailures: uint64
- LastLoginFailureTime: datetime
- LastLoginFailureType: uint16 (enum)
- OtherLastLoginFailureType: string
- LastLoginFailureRemoteNodeName: string
- LastLoginFailureRemoteAddressType: uint16 (enum)
- LastLoginFailureRemoteAddress: uint32
- SuccessfulLogins: uint64
- NegotiationLoginFailures: uint64
- AuthenticationLoginFailures: uint64
- AuthorizationLoginFailures: uint64
- LoginRedirects: uint64
- OtherLoginFailures: uint64
- NormalLogouts: uint64
- OtherLogouts: uint64

**iSCSI Session Failures**
- SessionFailures: uint64
- LastSessionFailureType: uint16 (enum)
- OtherLastSessionFailureType: string
- LastSessionFailureRemoteNodeName: string
- SessionDigestFailures: uint64
- SessionConnectionTimeoutFailures: uint64
- SessionFormatErrors: uint64

**Diagram Notes**
- Inheritance
- Association
- Aggregation
- Association with WEAK reference
- Aggregation with WEAK reference
- Composition Aggregation
- Equivalent to: 0..n

**StatisticalData**
(See Core Model)

**ManagedElement**
(See Core Model)
Channel Extender

ManagedElement
(See Core Model)

Element
StatisticalData

StatisticalData
(See Core Model
(Statistics))

SettingData
(See Core Model)

FCIPSettings (E)
ConnectionUsageFlags : enum
- SpecialFrameTimeout : uint32
- KeepAliveTimeout : uint32

TCPSettings (E)
- RetransmissionTimeoutAlgorithm : enum
- RetransmissionTimeoutMin : uint16
- RetransmissionTimeoutMax : uint16

IPSettings (E)
- FragmentationTimeout : uint32
- DefaultTimeToLive : uint32
- EnableIPForwarding : boolean

TCPStatisticalData (E)
- ActiveOpenConnections : uint32
- PassiveOpenConnections : uint32
- AttemptsFails : uint32
- EstablishedResets : unit32
- EstablishedConnections : unit32
- SentSegments : unit32
- SentSegmentInError : unit32
- SentResetSegments : uint32

ProtocolEndpointStatistics (E)
- ReceivedPDUs : uint32
- ReceivedPDUHeaderErrors : uint32
- ReceivedPDUAddressErrors : uint32
- SentPDUs : uint32

IPEndpointStatistics (E)
- ReceivedPDUs : uint32
- ReceivedPDUHeaderErrors : uint32
- ReceivedPDUAddressErrors : uint32
- SentPDUs : uint32
- SentPDUDiscards : uint32
- SentPDUUnknownProtocolErrors : uint32
- PDUDelivers : uint32
- SentPDUForwards : uint32
- SentPDUDiscards : uint32
- PDUNoRouteErrors : uint32
- ReassemblyRequired : uint32
- ReassembledSegments : uint32
- ReassembledPackets : uint32
- Fragmentation : uint32
- FragmentationFails : uint32
- FragmentedPDUsCreates : uint32
- RouteEntriesDiscards : uint32

TCPEndpointStatistics (E)
- ReceivedSegmentsInError : uint32
- SentResetSegments : uint32

FCPortStatistics
(See Device Model (Fibre Channel))

EthernetPortStatistics
(See Device Model (Logical Port))

NetworkPortStatistics
(See Device Model (Logical Port))
MediaRedirection

ServiceAccessPoint
(See Core Model)

MediaRedirectionSAP (E)

ConnectionMode: unit16 (enum)
CommandTimeout: datetime
ResetTimeout: datetime
SessionTimeout: datetime

MediaRedirectionCapabilities (E)

ConnectionModesSupported: unit16[] (enum)
DevicesSupported: uint16[] (enum)
MaxDevicesSupported: uint16[]
MaxDevicesPerSAP: uint16[]
SAPCapabilitiesSupported: uint16[] (enum)
InfoFormatsSupported: uint16[] (enum)

RedirectionServiceCapabilities (E)
(See Redirection)
### Configuration Services

#### AddLANEndpoint

**Parameters**
- `IN` - `CIM_NetworkPort` REF `Port`  
- `OUT` - `CIM_LANEndpoint` REF `Endpoint`  
- `IN` - `Address`: string  
- `IN` - `LANID`: string  
- `IN` - `AliasAddresses`: string[]  
- `IN` - `GroupAddresses`: string[]

**Return**
- `uint 32 enum`

#### ServiceAccessPoint

**Parameters**
- `IN` - `Address`: string  
- `IN` - `LANID`: string  
- `IN` - `AliasAddresses`: string[]  
- `IN` - `GroupAddresses`: string[]

**Return**
- `uint 32 enum`

#### Service

**Parameters**
- `See Core Model`

**Relationships**
- `EnabledLogicalElement` (See Core Model)

#### IPConfigurationService

**Methods**
- `AddStaticIPv4Address`
  - **Parameters**
    - `[IN, OUT]` `CIM_StaticIPAssignmentSettingData` REF `StaticSetting`
    - `[IN]` `Address`: string
    - `[IN]` `SubnetMask`: string
    - `[IN]` `Gateway`: string
  - **Return**
    - `uint 32 enum`

- `ApplySettingToLANEndpoint`
  - **Parameters**
    - `[IN]` `CIM_IPAssignmentSettingData` REF `Configuration`
    - `[IN]` `CIM_LANEndpoint` REF `Endpoint`
    - `[OUT]` `CIM_ConecreteJob` REF `Job`
  - **Return**
    - `uint 32 enum`

- `AddStaticIPv4Address`
  - **Parameters**
    - `[OUT]` `CIM_StaticIPAssignmentSettingData` REF `StaticSetting`
    - `[IN]` `CIM_IPAssignmentSettingData` REF `Configuration`
    - `[IN]` `Address`: string
    - `[IN]` `SubnetMask`: string
    - `[IN]` `Gateway`: string
  - **Return**
    - `uint 32 enum`

- `ApplySettingToIPProtocolEndpoint`
  - **Parameters**
    - `[IN]` `CIM_IPAssignmentSettingData` REF `Configuration`
    - `[IN]` `CIM_IPProtocolEndpoint` REF `Endpoint`
    - `[OUT]` `CIM_ConecreteJob` REF `Job`
  - **Return**
    - `uint 32 enum`

#### NetworkPortConfigurationService

**Methods**
- `AddLANEndpoint`
  - **Parameters**
    - `[IN]` `CIM_NetworkPort` REF `Port`
    - `[OUT]` `CIM_LANEndpoint` REF `Endpoint`
    - `[IN]` `Address`: string
    - `[IN]` `LANID`: string
    - `[IN]` `AliasAddresses`: string[]
    - `[IN]` `GroupAddresses`: string[]
  - **Return**
    - `uint 32 enum`

- `ApplySettingToLANEndpoint`
  - **Parameters**
    - `[IN]` `CIM_LANEndpoint` REF `Endpoint`
  - **Return**
    - `uint 32 enum (E)`

- `AddIPProtocolEndpoint`
  - **Parameters**
    - `[IN]` `CIM_ManagedElement` REF `TargetInterface`
    - `[IN]` `CIM_IPProtocolEndpoint` string[]
    - `[IN]` `EndpointSettings`: string[]
    - `[IN]` `CIM_IPProtocolEndpoint` REF `ResultingEndpoint`
  - **Return**
    - `uint 32 enum (E)`

- `RemoveIPProtocolEndpoint`
  - **Parameters**
    - `[IN]` `CIM_IPProtocolEndpoint` REF `Endpoint`
  - **Return**
    - `uint 32 enum (E)`
null
Deprecated Associations

**HostedDependency**
(See Network Model (HostedDependency))

**BindsToLANEndpoint**
(See Network Model (Dependency 2))

**NetworkServicesInAdminDomain (D)**
Antecedent: ref AdminDomain (*)
Dependent: ref NetworkService (*)

**Switchable (D)**
Antecedent: ref LANEndpoint (0..1)
Dependent: ref SwitchPort (0..1)

**Statistics**
Stats: ref StatisticalInformation (key *)
Element: ref ManagedElement (key, *)

**ServiceStatistics**
Stats: ref ServiceStatisticalInformation (weak, *)
Element: ref Service (1)

**BGPServicesStatistics (D)**
Stats: ref BGPStatistics (0..1)
Element: ref BGPService (1)

**LogicalNetworkService (D)**
Network: ref LogicalNetwork (key, *)
NetworkService: ref NetworkService (key, *)
ContainmentType: uint16 (enum)

**NetworksInAdminDomain (D)**
Domain: ref AdminDomain (key, 1)
Network: ref LogicalNetwork (key, weak, *)