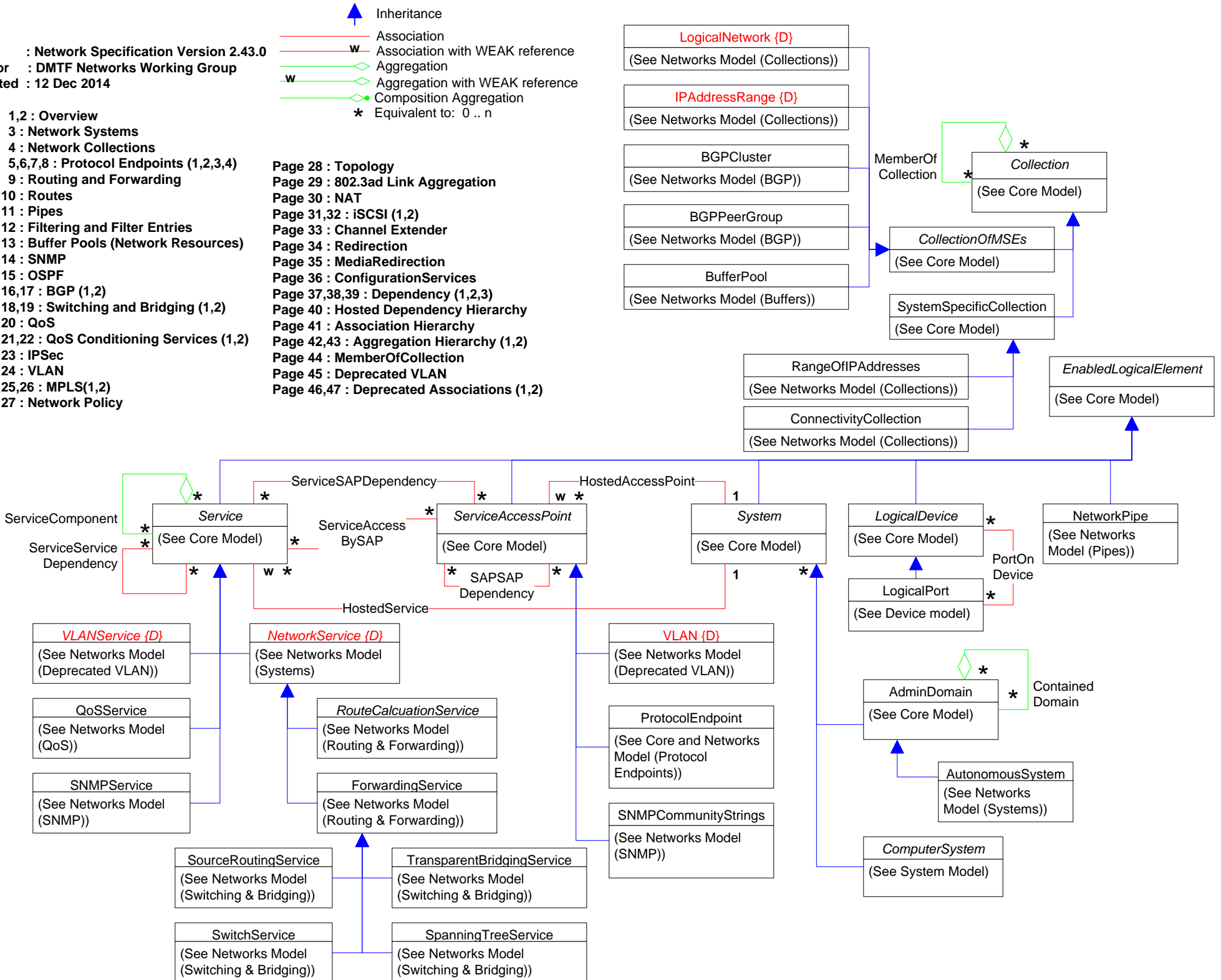


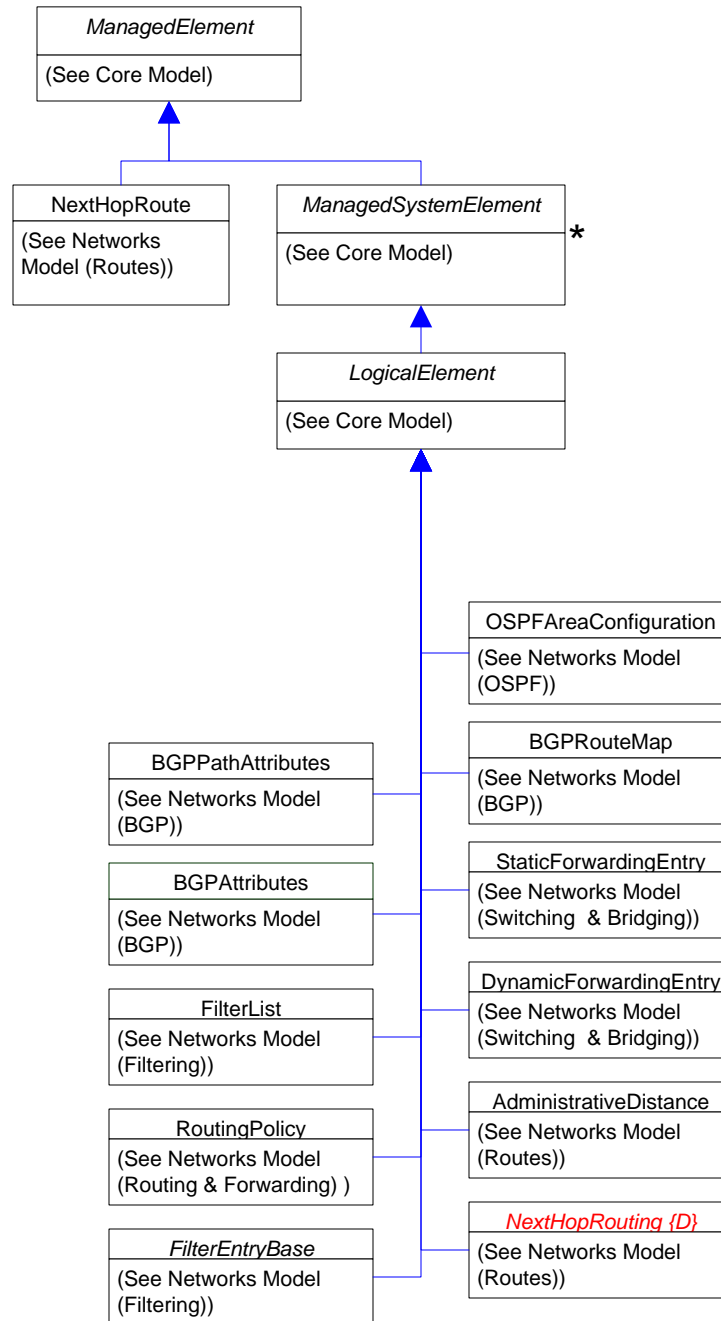
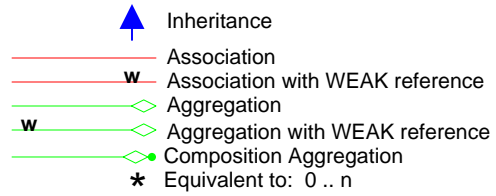
Title : Network Specification Version 2.43.0  
 Author : DMTF Networks Working Group  
 Updated : 12 Dec 2014








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- Page 3 : Network Systems
- Page 4 : Network Collections
- Page 5,6,7,8 : Protocol Endpoints (1,2,3,4)
- Page 9 : Routing and Forwarding
- Page 10 : Routes
- Page 11 : Pipes
- Page 12 : Filtering and Filter Entries
- Page 13 : Buffer Pools (Network Resources)
- Page 14 : SNMP
- Page 15 : OSPF
- Page 16,17 : BGP (1,2)
- Page 18,19 : Switching and Bridging (1,2)
- Page 20 : QoS
- Page 21,22 : QoS Conditioning Services (1,2)
- Page 23 : IPSec
- Page 24 : VLAN
- Page 25,26 : MPLS(1,2)
- Page 27 : Network Policy

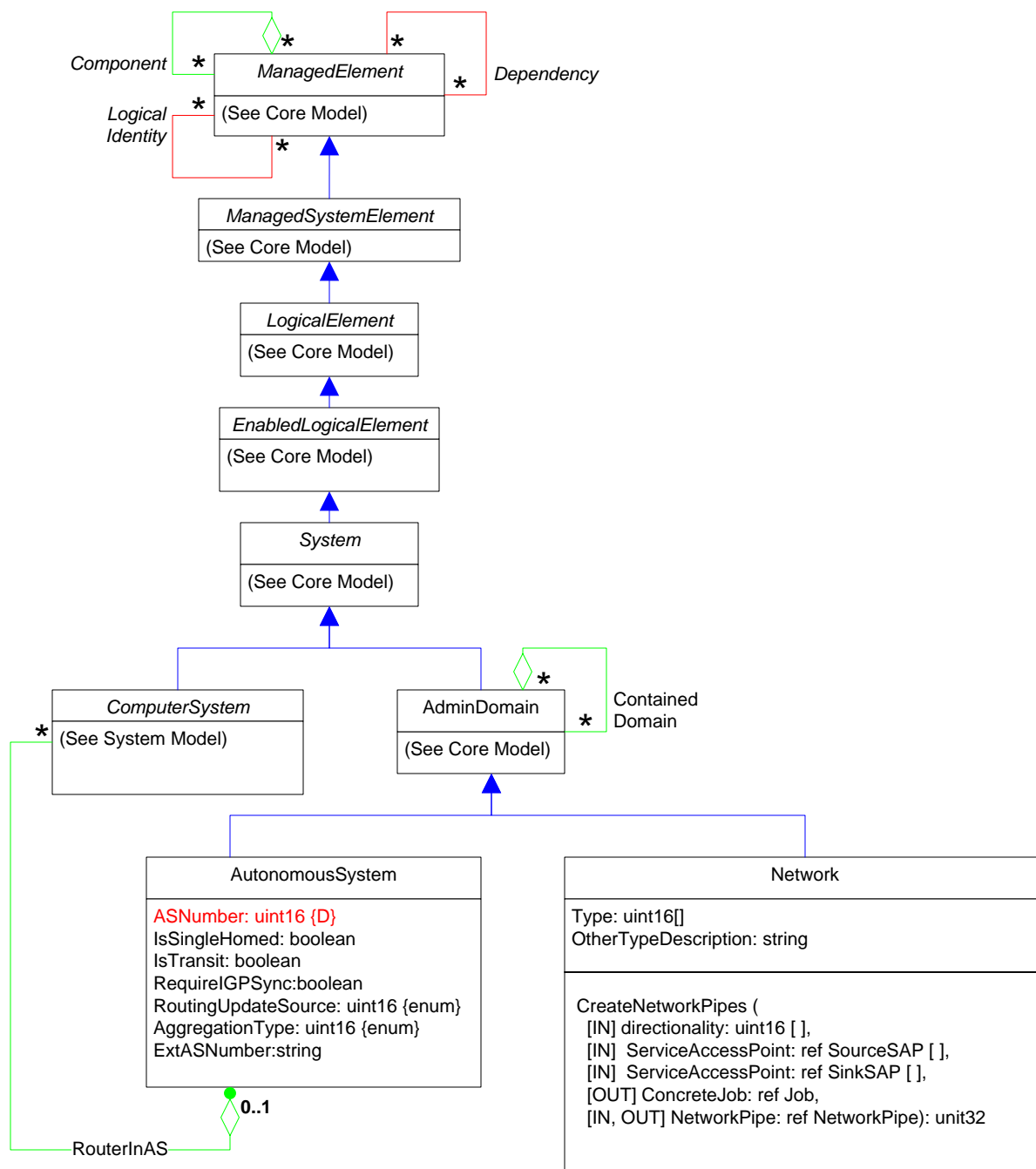
- Page 28 : Topology
- Page 29 : 802.3ad Link Aggregation
- Page 30 : NAT
- Page 31,32 : iSCSI (1,2)
- Page 33 : Channel Extender
- Page 34 : Redirection
- Page 35 : MediaRedirection
- Page 36 : ConfigurationServices
- Page 37,38,39 : Dependency (1,2,3)
- Page 40 : Hosted Dependency Hierarchy
- Page 41 : Association Hierarchy
- Page 42,43 : Aggregation Hierarchy (1,2)
- Page 44 : MemberOfCollection
- Page 45 : Deprecated VLAN
- Page 46,47 : Deprecated Associations (1,2)



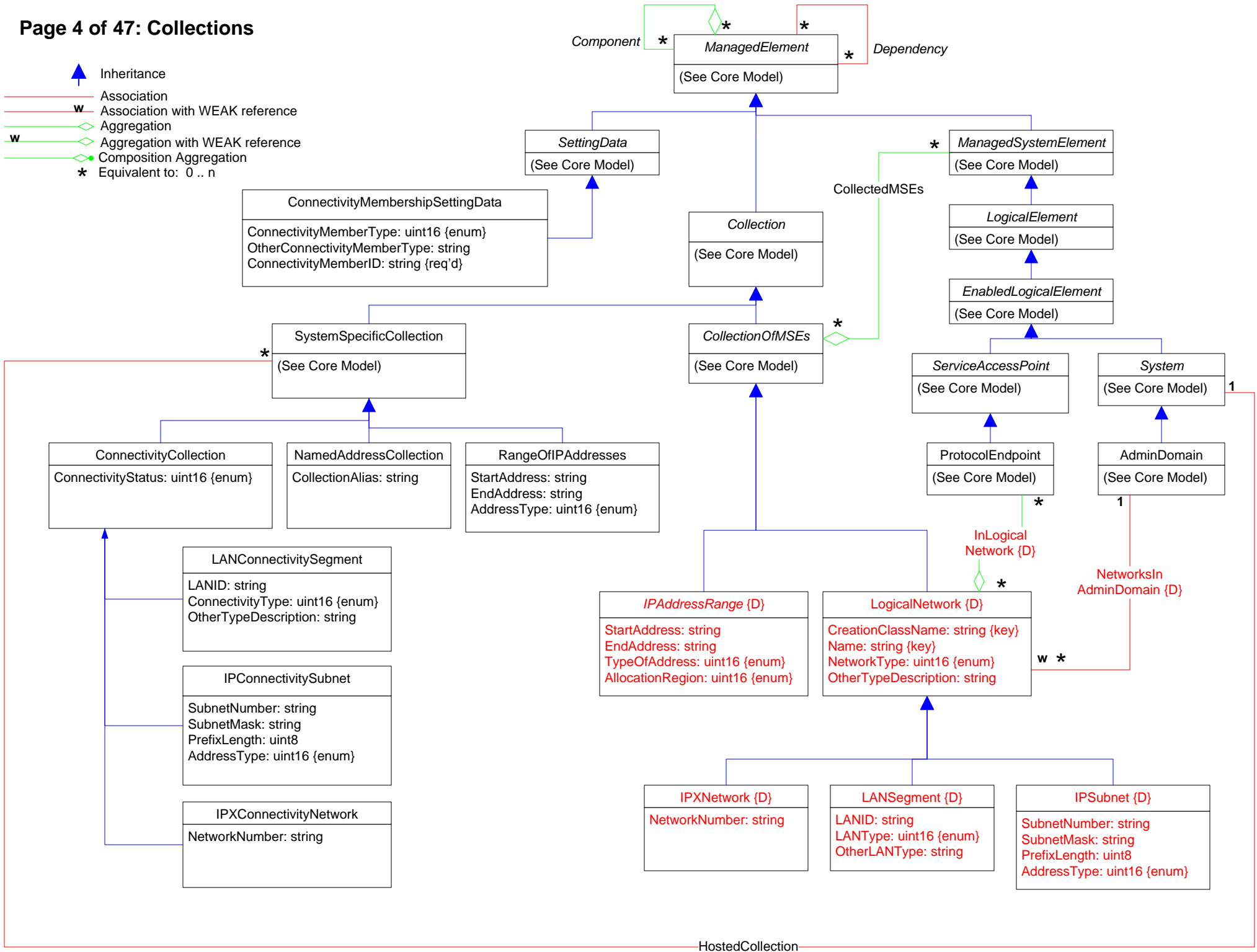
## Page 2 of 47: Overview 2



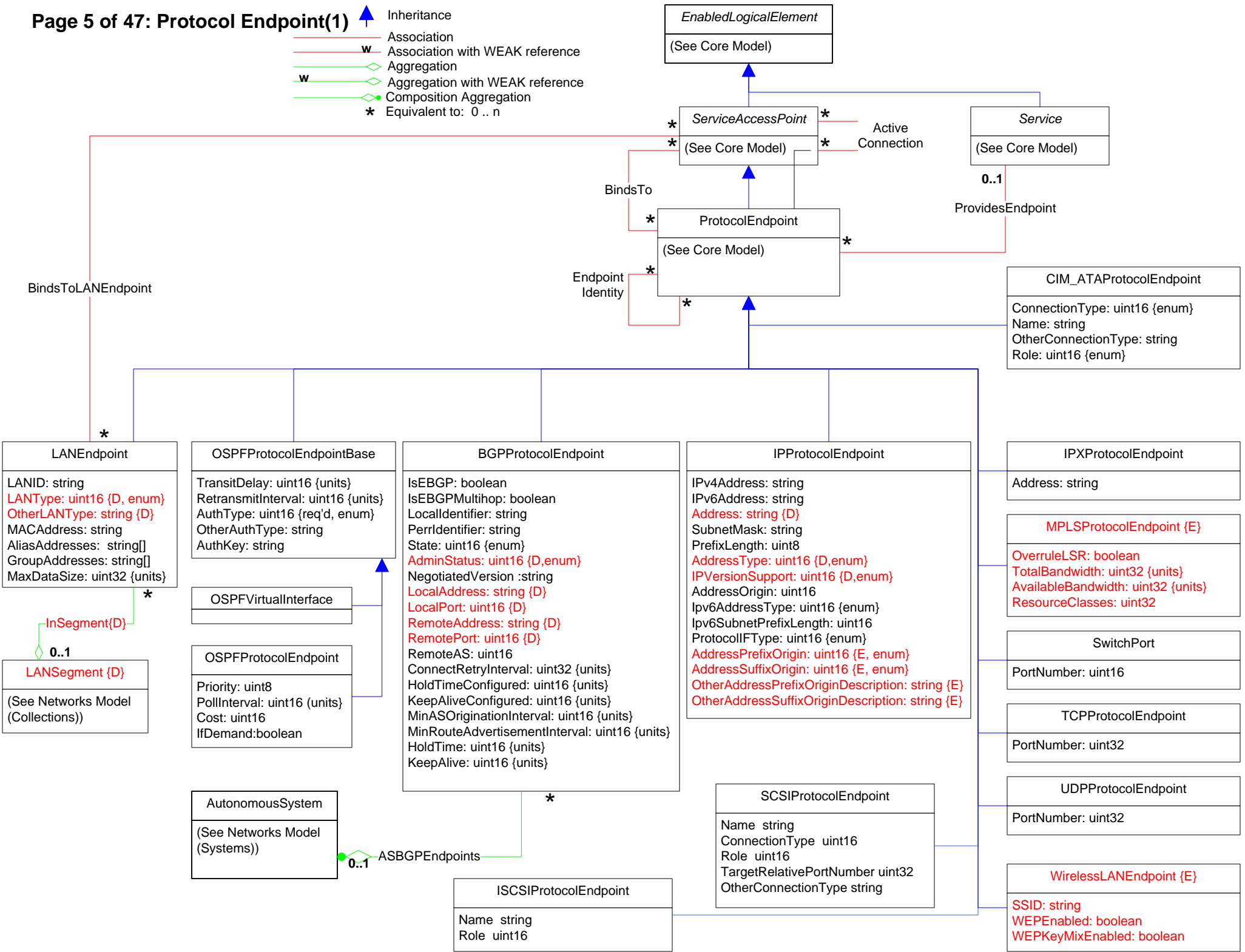
-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0 .. n



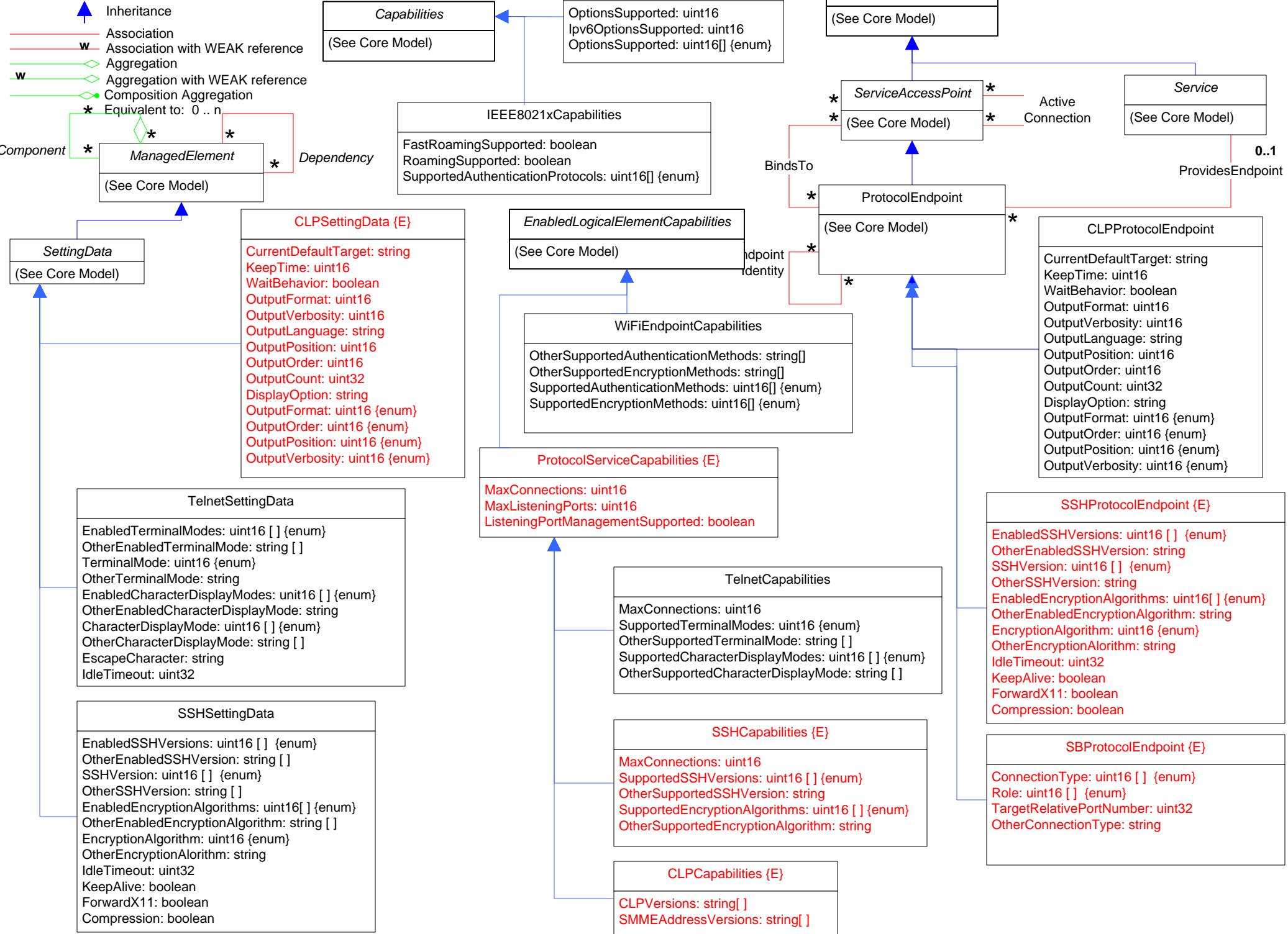
- ▲ Inheritance
- Association
- w Association with WEAK reference
- ◇ Aggregation
- w◇ Aggregation with WEAK reference
- ◆ Composition Aggregation
- \* Equivalent to: 0..n

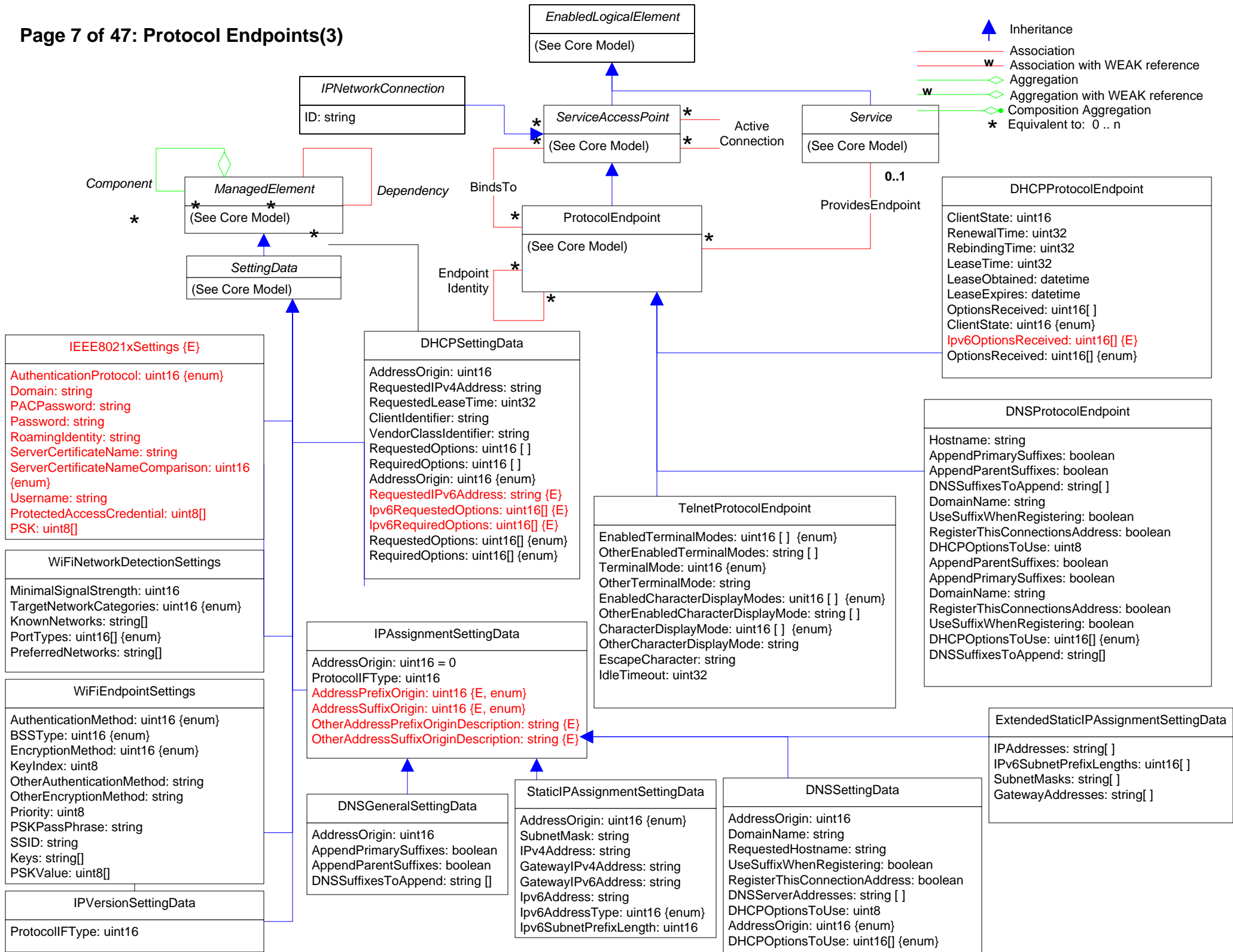


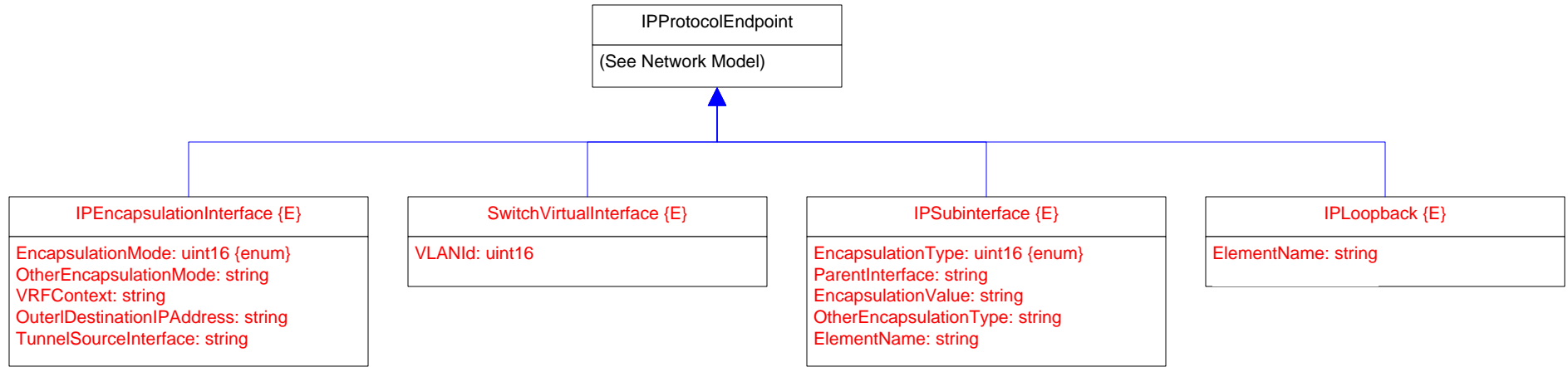
- Inheritance
- Association
- Association with WEAK reference
- Aggregation
- Aggregation with WEAK reference
- Composition Aggregation
- Equivalent to: 0..n



# Page 6 of 47: Protocol Endpoint(2)










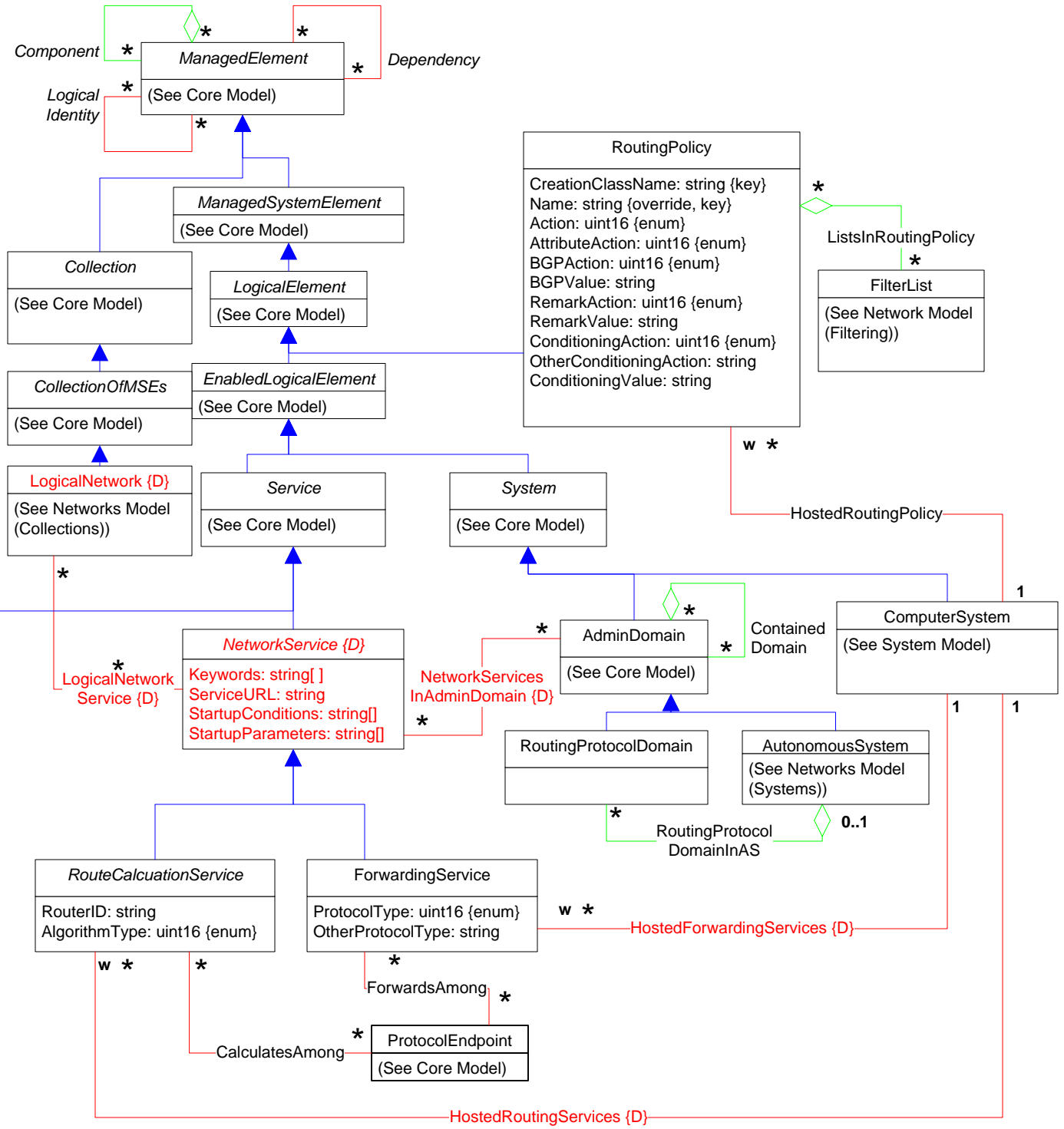






# Page 9 of 47: Routing & Forwarding

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



VRFConfigurationService {E}

CreateVRF (

- [IN] System: ref TargetRouter,
- [IN] VRF: string,
- [IN] VirtualRoutingandForwardingTable: ref ResultingVRF,
- [OUT] ConcreteJob: ref Job): unit32 {enum}

RemoveVRF (

- [IN] VirtualRoutingandForwardingTable: ref VRF,
- [OUT] ConcreteJob: ref Job): unit32 {enum}

AddRoute(

- [IN] VirtualRoutingandForwardingTable: ref VRF,
- [IN] Route: string,
- [IN] NextHopIPRoute: ref ResultingRoute,
- [OUT] ConcreteJob: ref Job): unit32 {enum}

RemoveRoute(

- [IN] VirtualRoutingandForwardingTable: ref VRF,
- [IN] NextHopIPRoute: ref Route,
- [OUT] ConcreteJob: ref Job): unit32 {enum}

AddPortMember(

- [IN] VirtualRoutingandForwardingTable: ref VRF,
- [IN] MSFT\_EthernetPort: ref Port,
- [OUT] ConcreteJob: ref Job): unit32 {enum}

RemovePortMember(

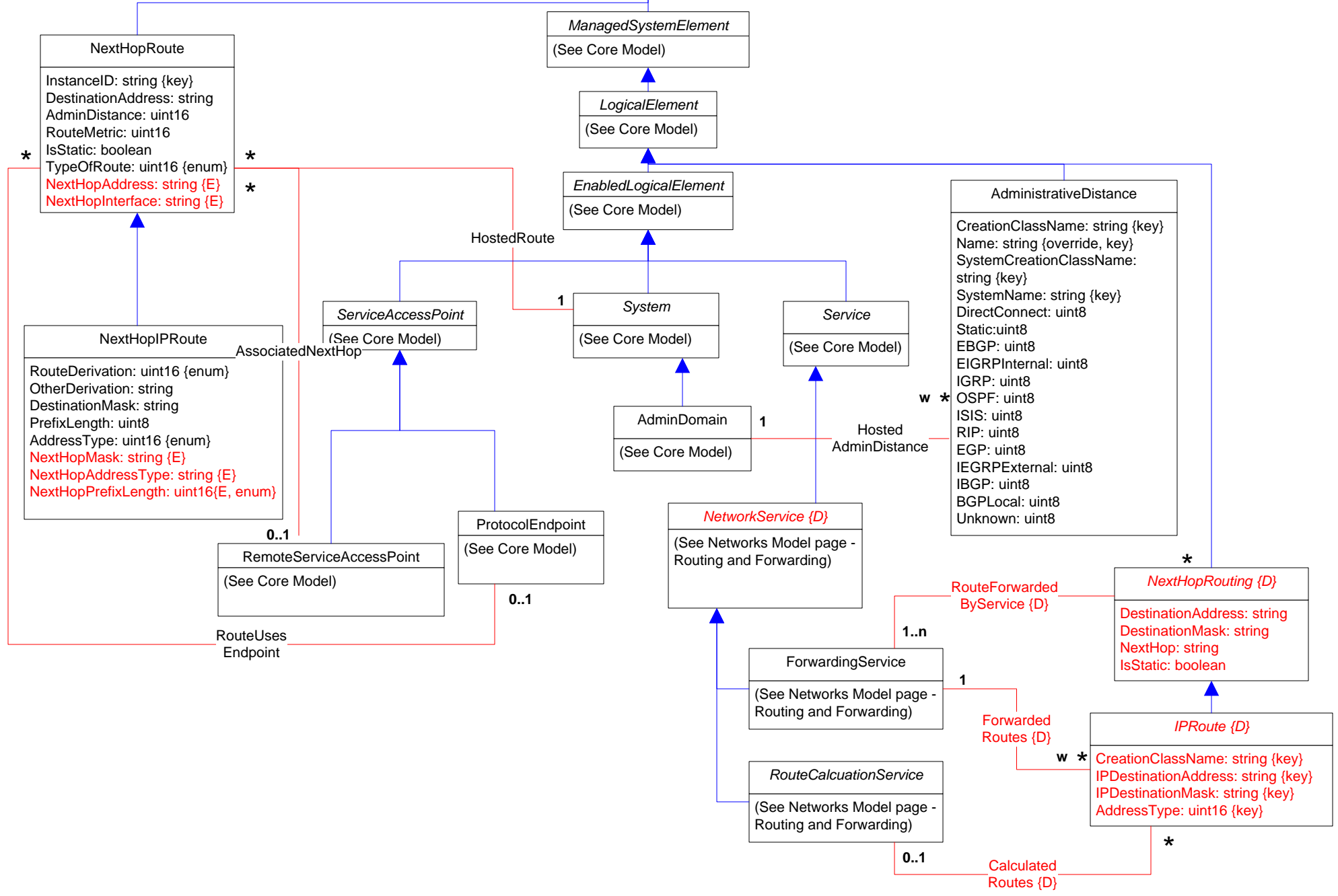
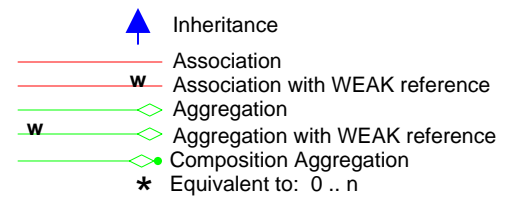
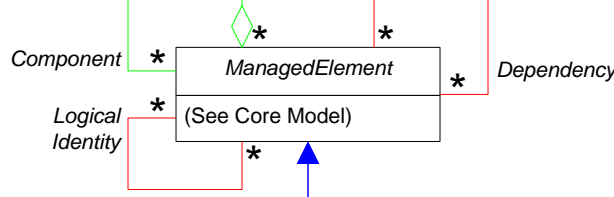
- [IN] VirtualRoutingandForwardingTable: ref VRF,
- [IN] MSFT\_EthernetPort: ref Port,
- [OUT] ConcreteJob: ref Job): unit32 {enum}








AddSAPMember(

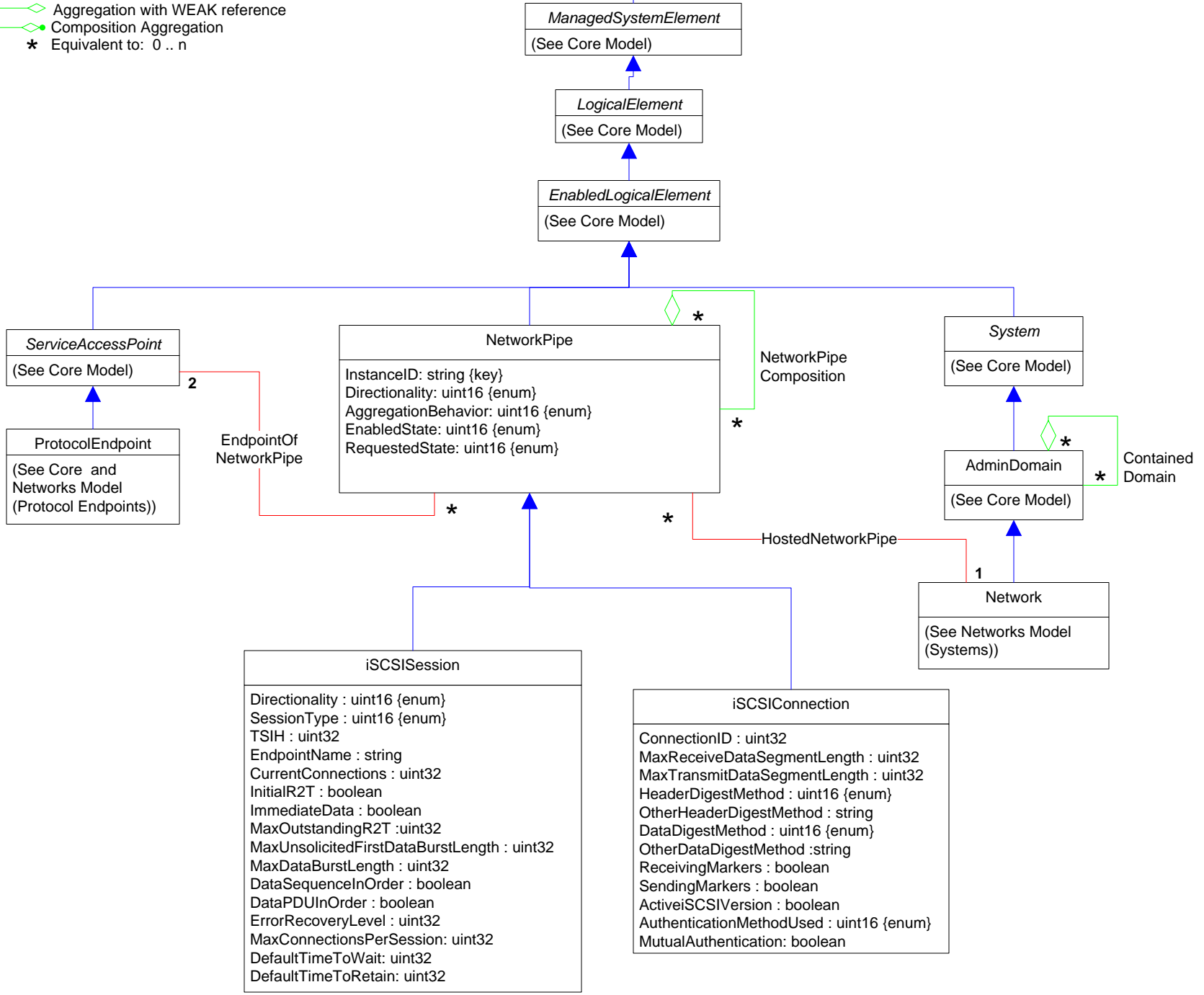
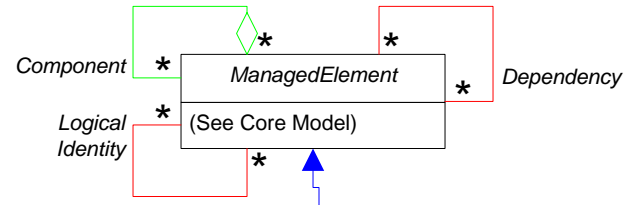
- [IN] VirtualRoutingandForwardingTable: ref VRF,
- [IN] ServiceAccessPoint: ref SAP,
- [OUT] ConcreteJob: ref Job): unit32 {enum}








RemoveSAPMember(

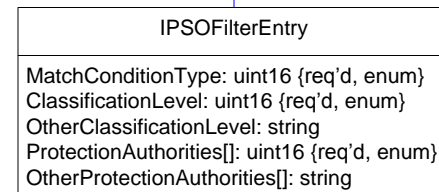
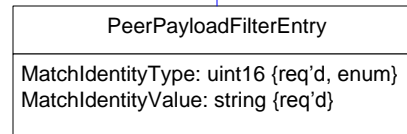
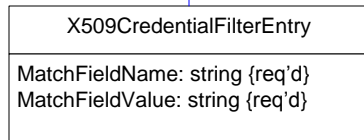
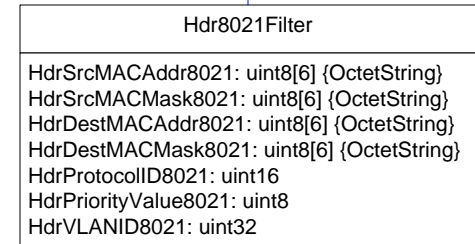
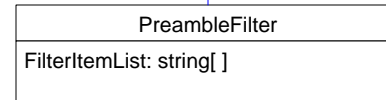
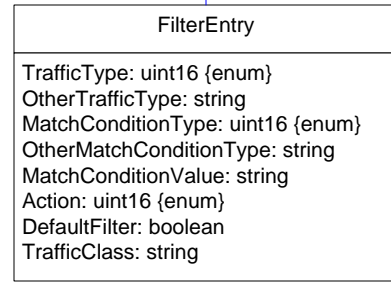
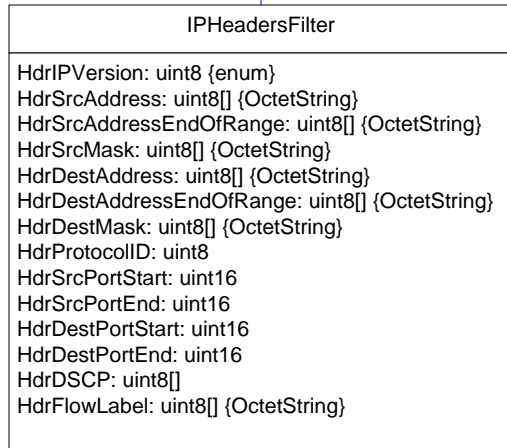
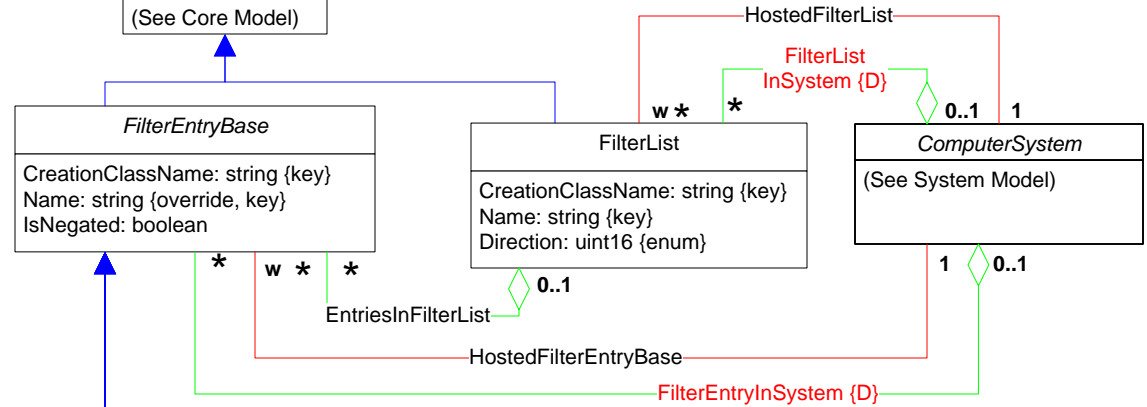
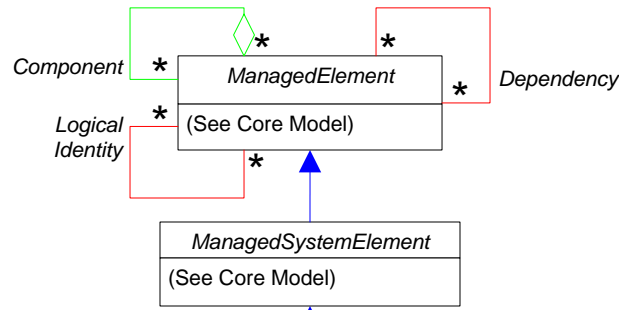
- [IN] VirtualRoutingandForwardingTable: ref VRF,
- [IN] ServiceAccessPoint: ref SAPMember,
- [OUT] ConcreteJob: ref Job): unit32 {enum}










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

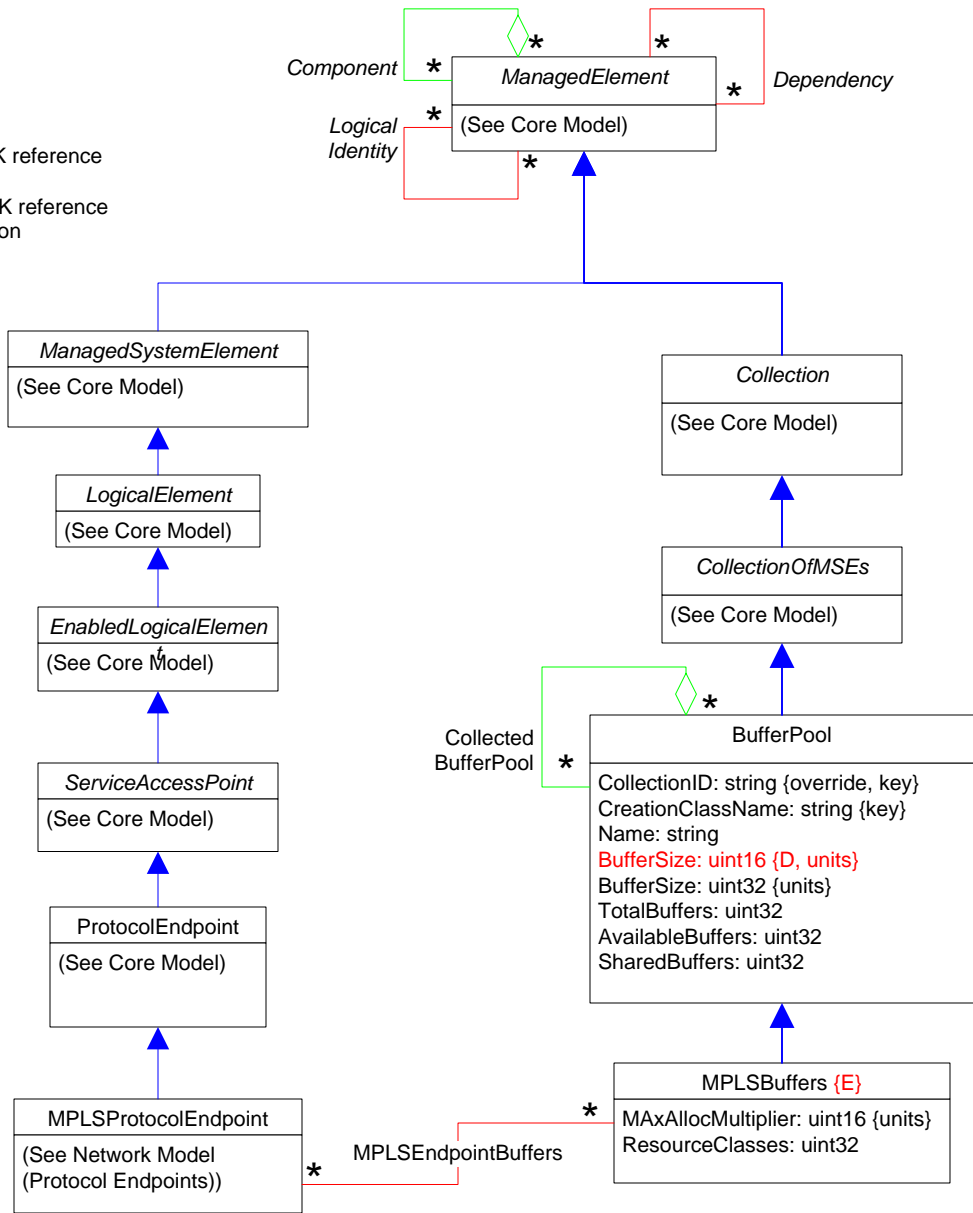


-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0..n










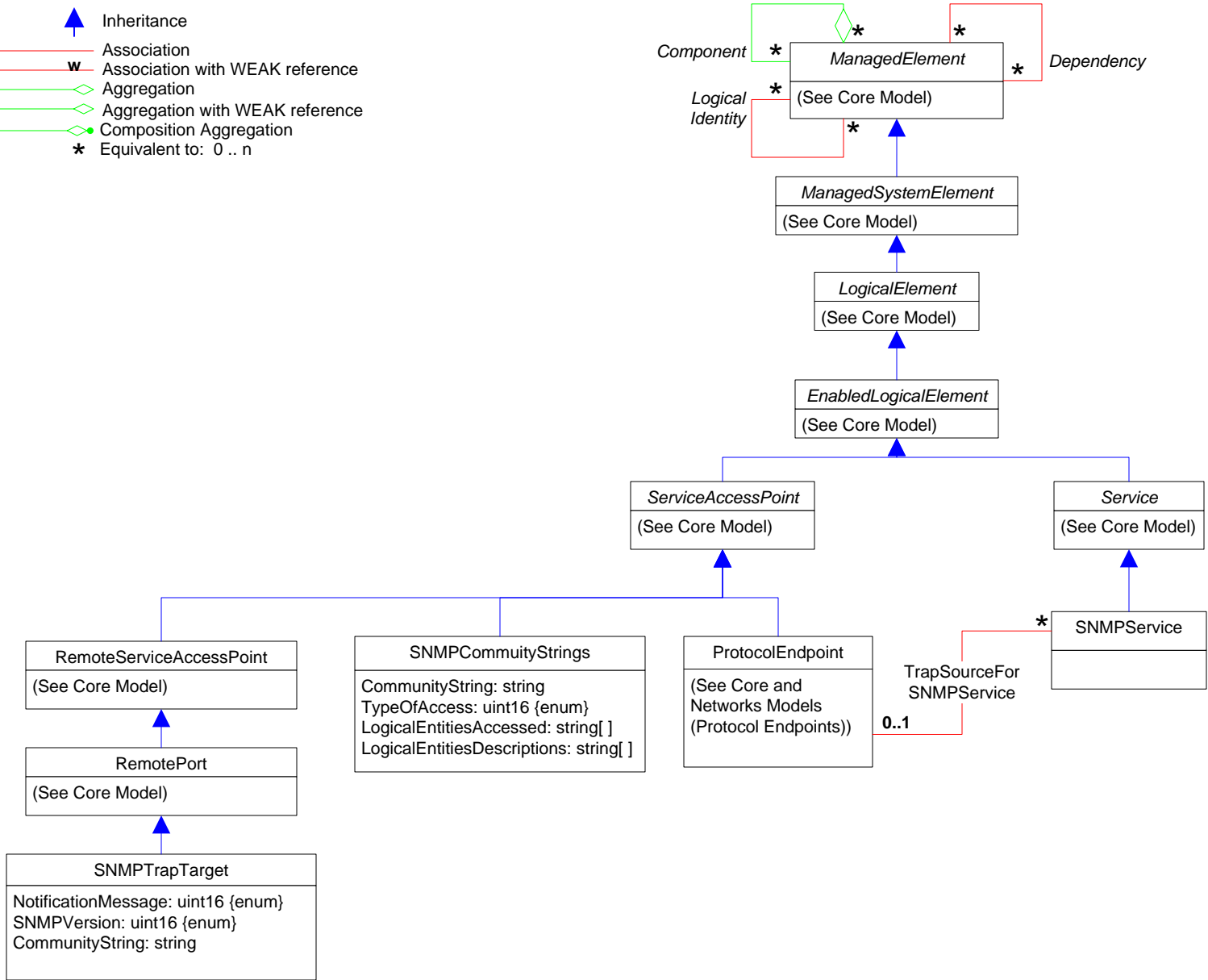
# Page 13 of 47: Buffers








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

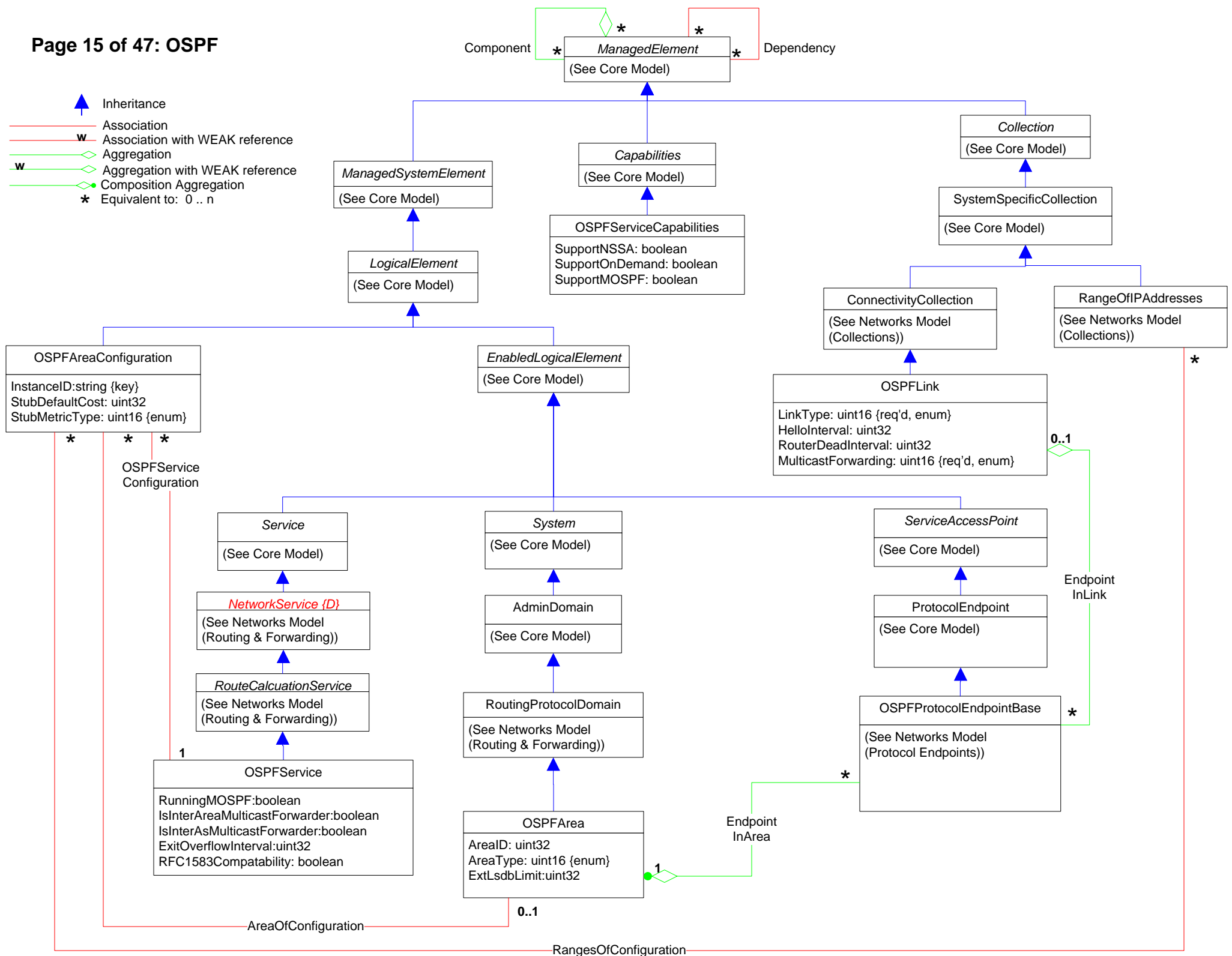









# Page 14 of 47: SNMP

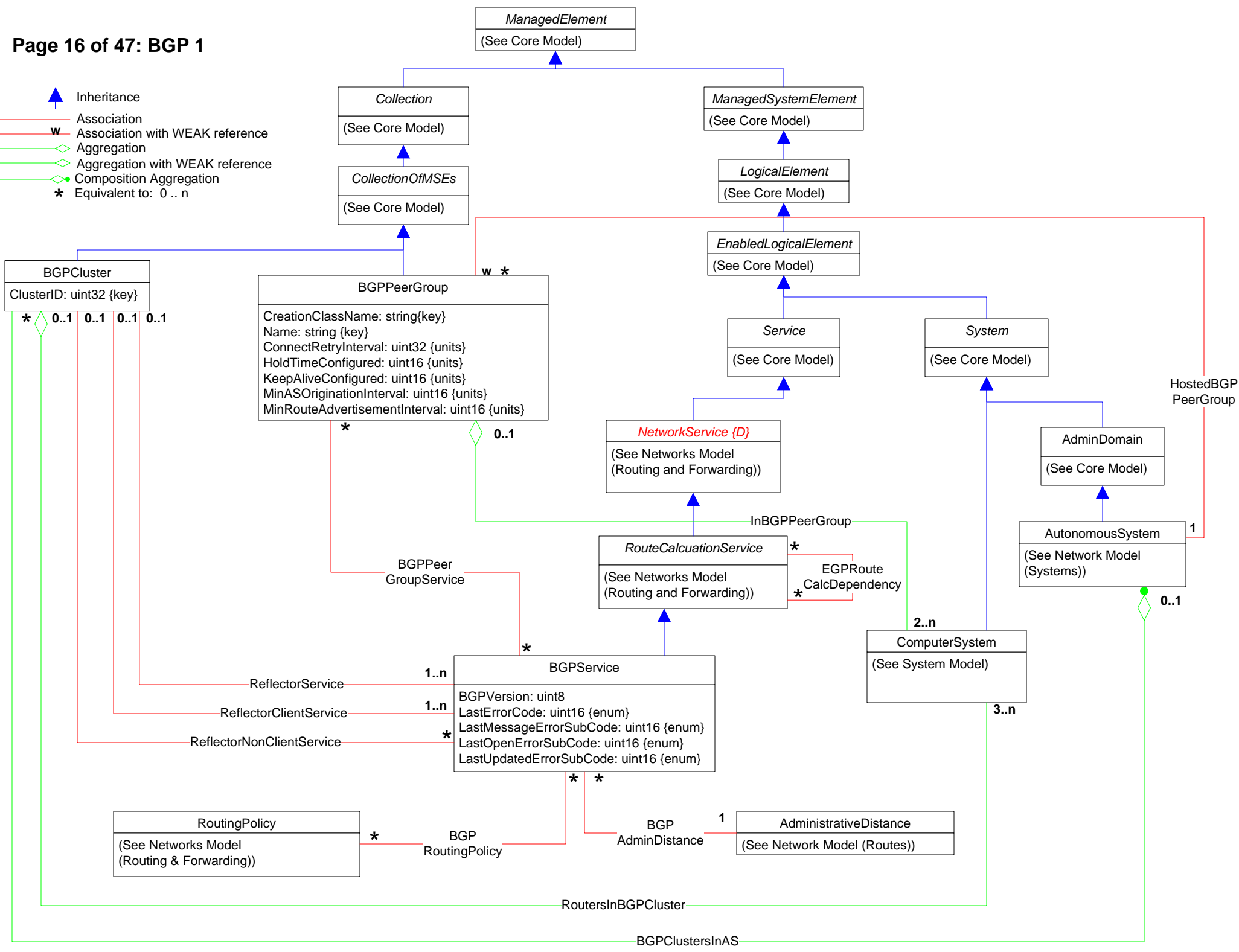
-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0..n



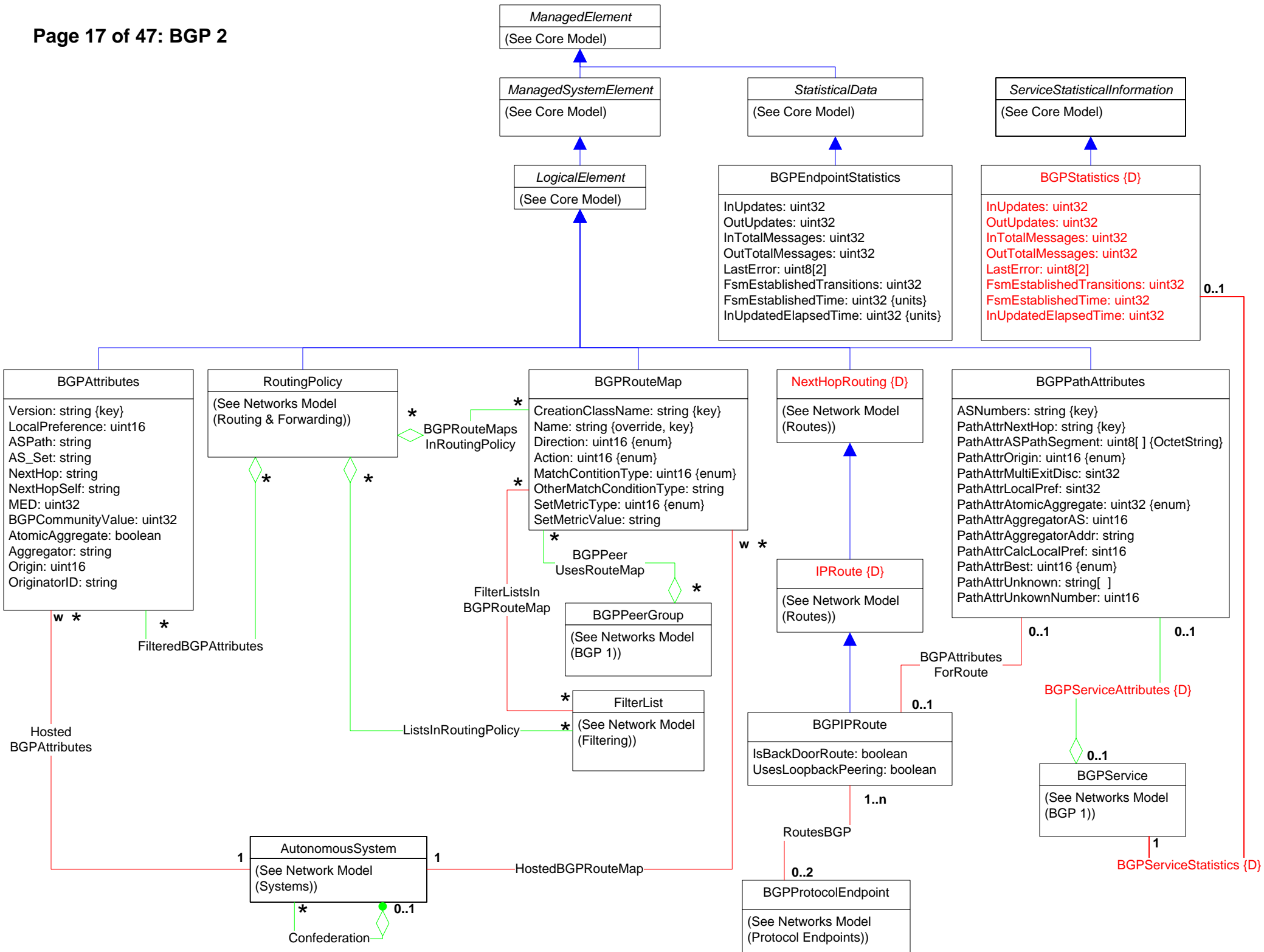
-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0 .. n

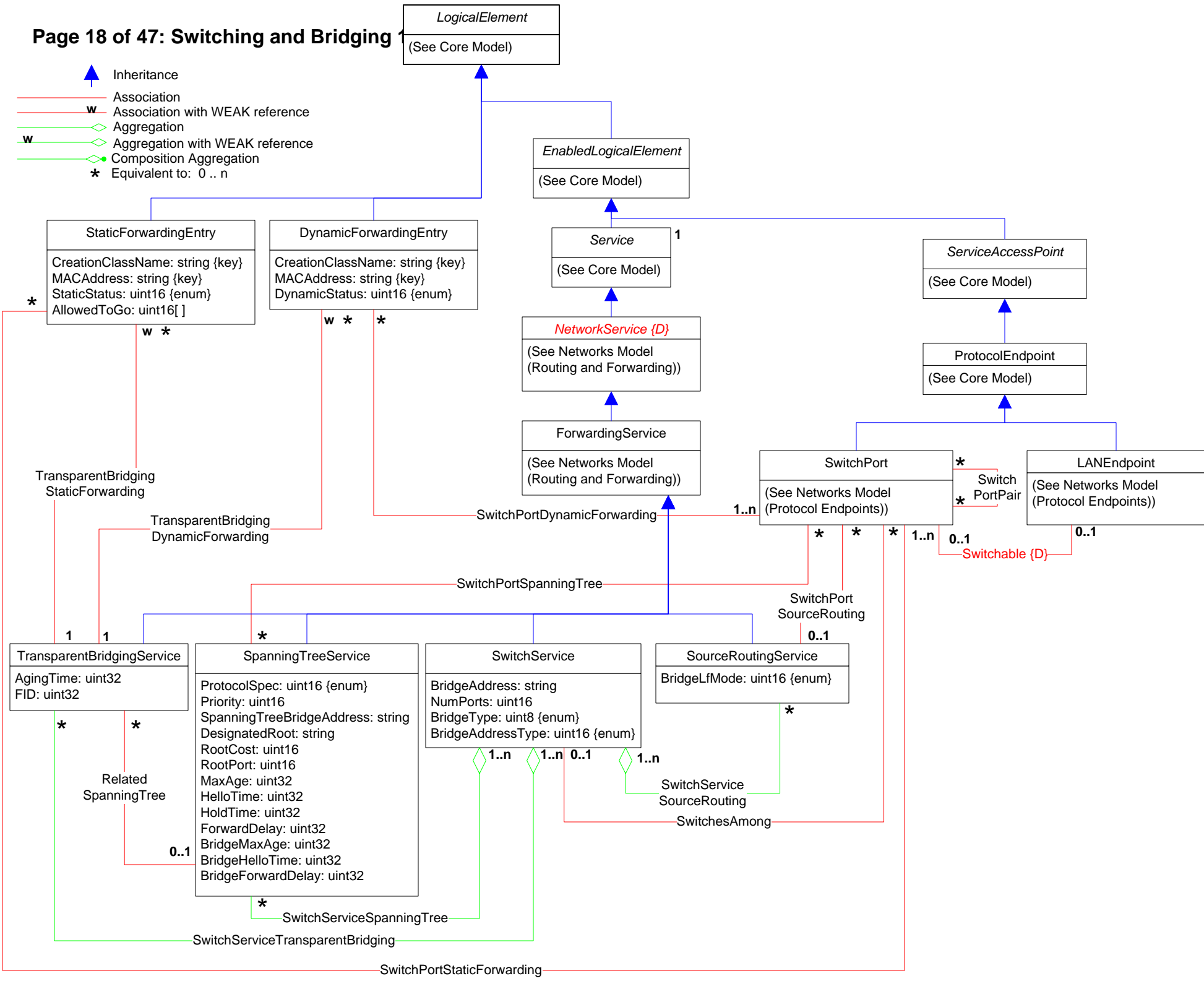


-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0..n

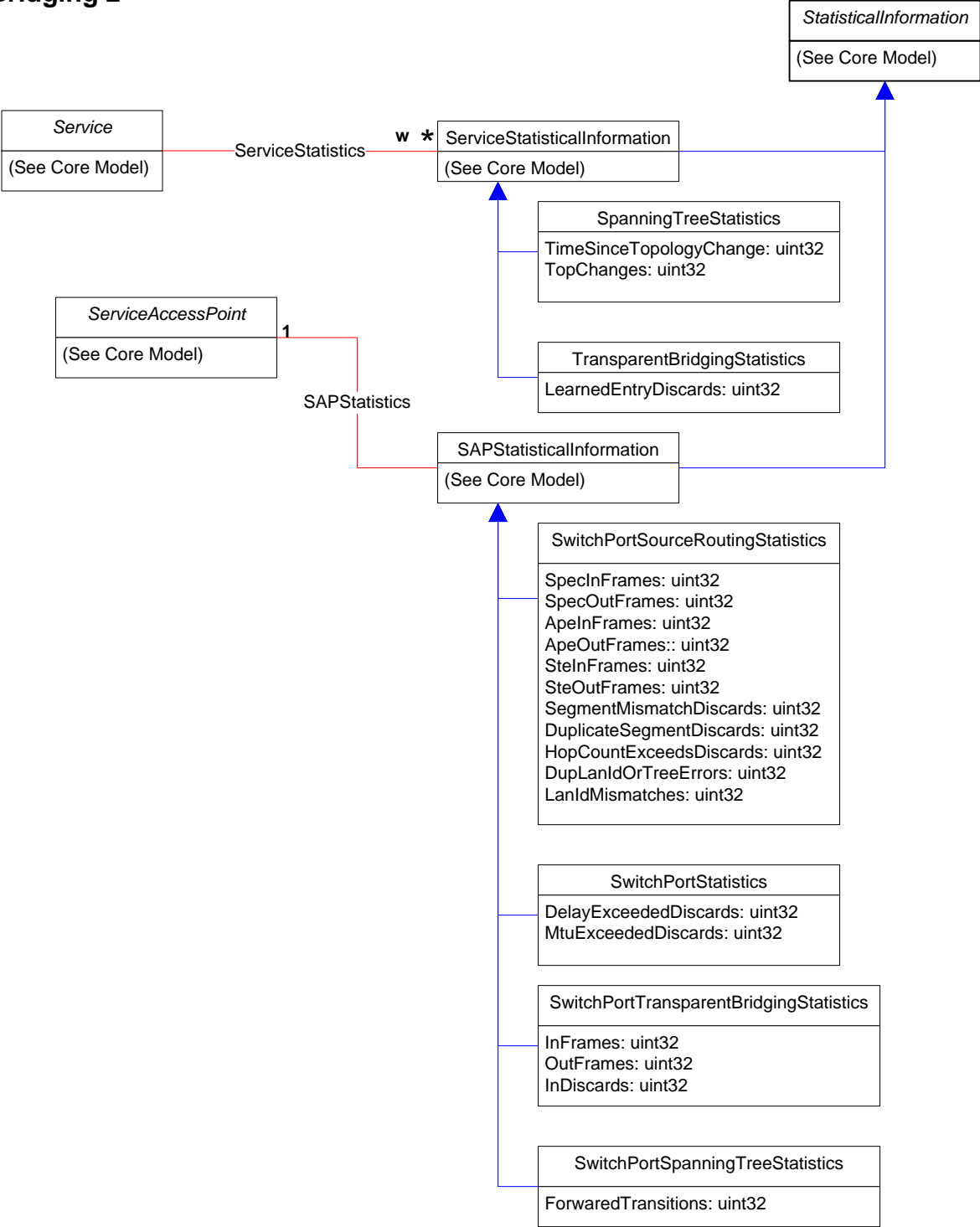











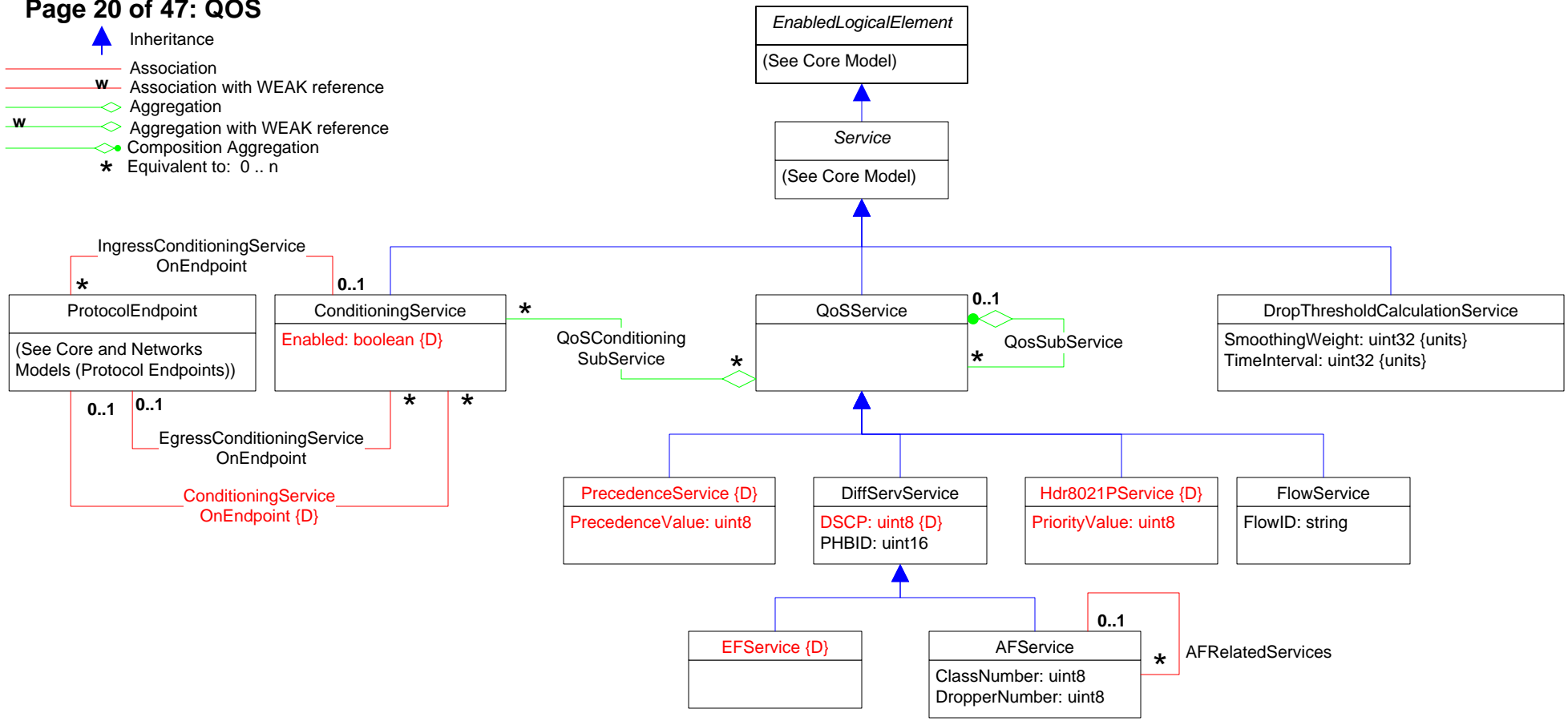


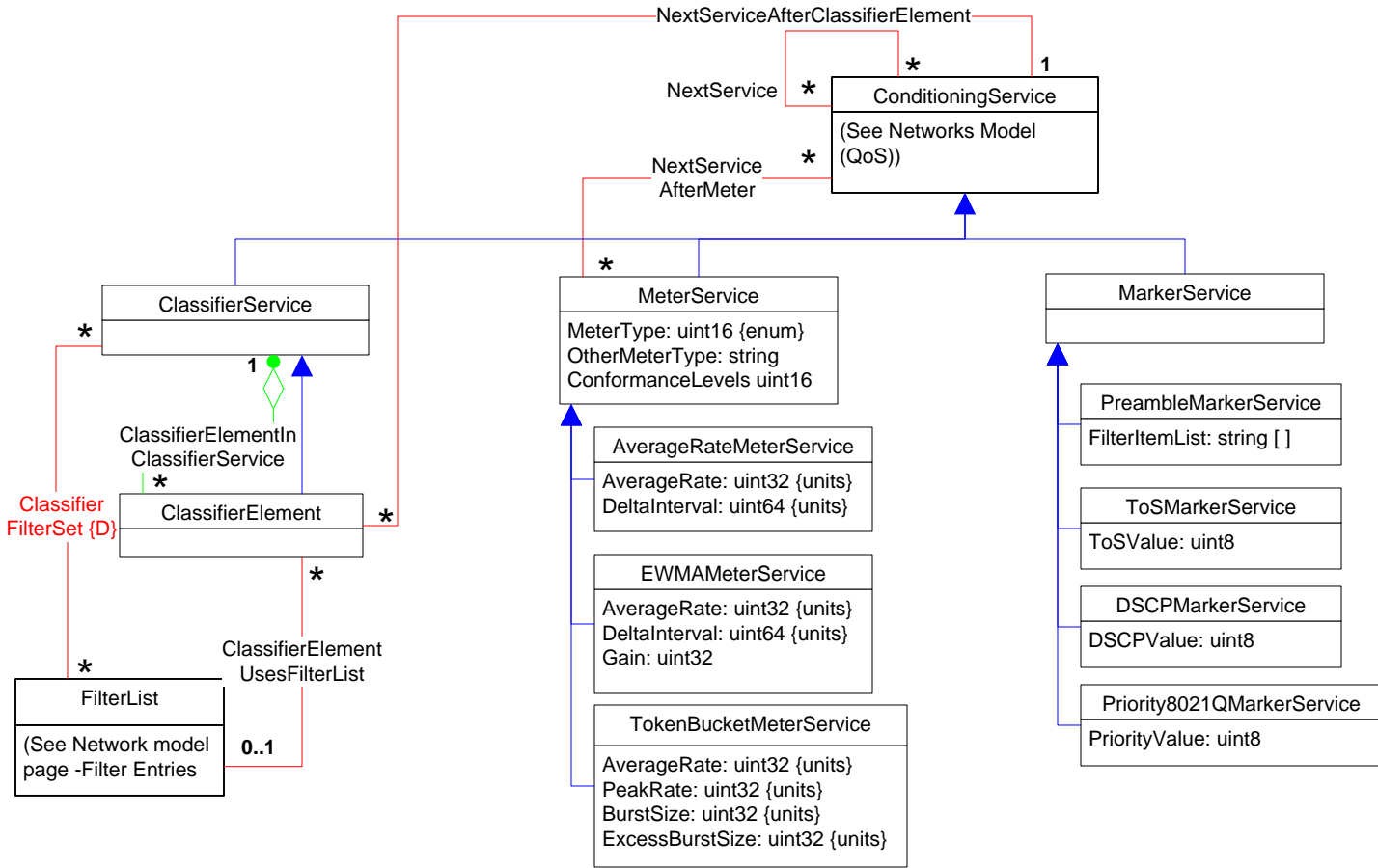
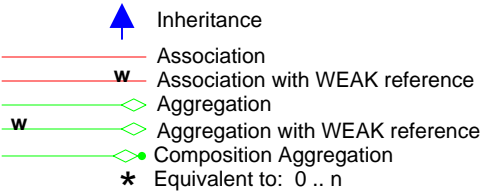


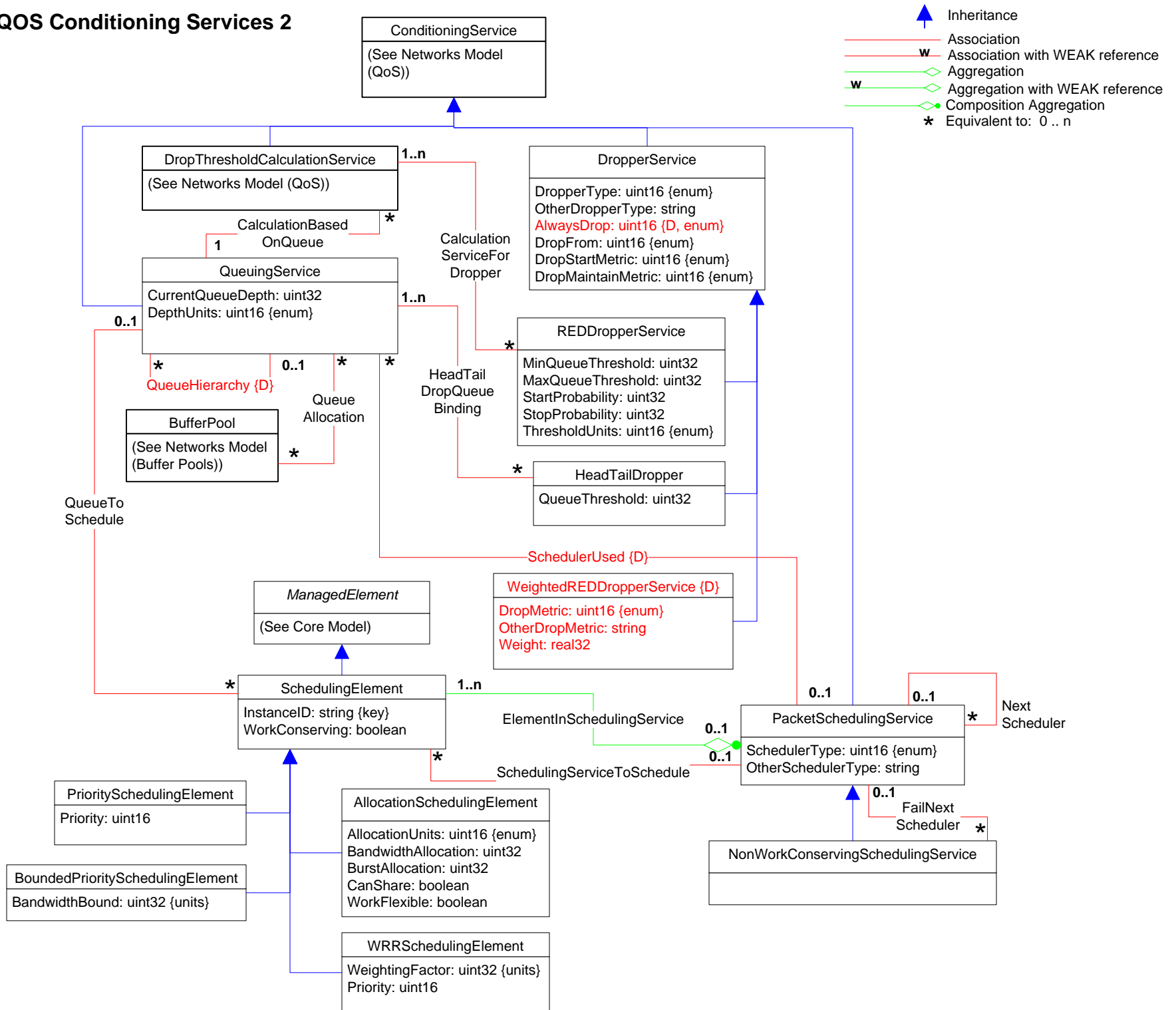
- Inheritance
- Association
- Association with WEAK reference
- Aggregation
- Aggregation with WEAK reference
- Composition Aggregation
- Equivalent to: 0..n

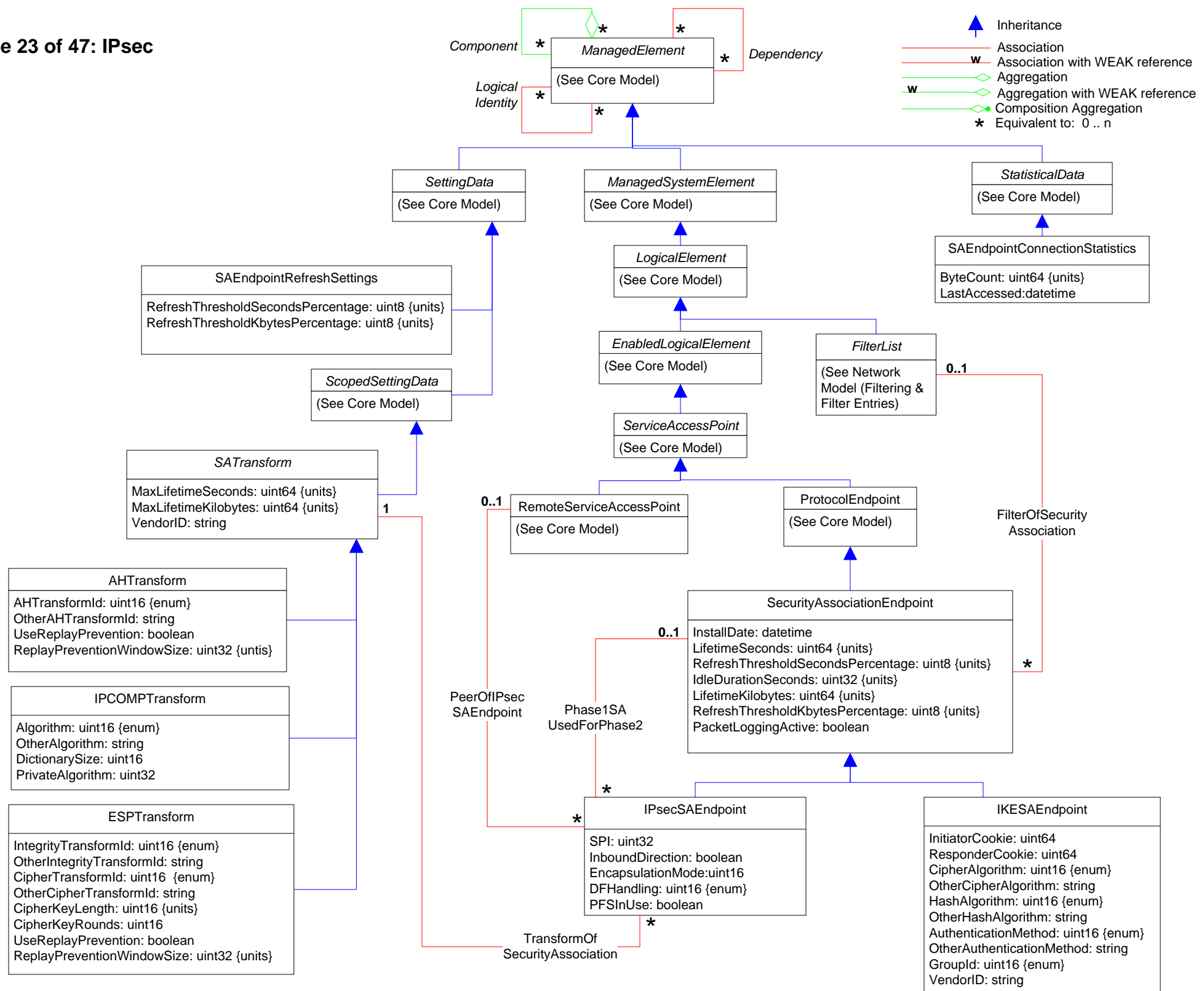


-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0..n












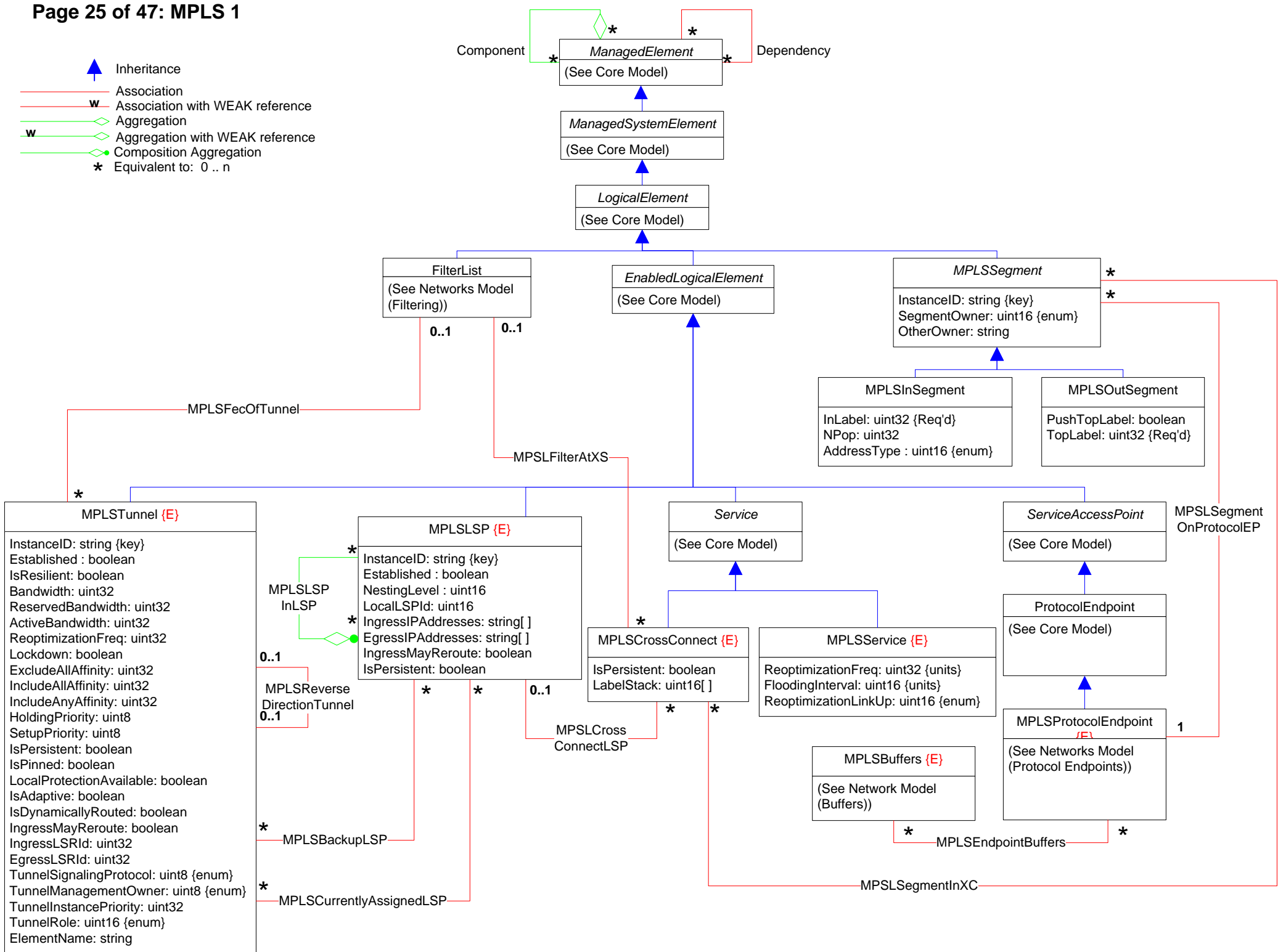


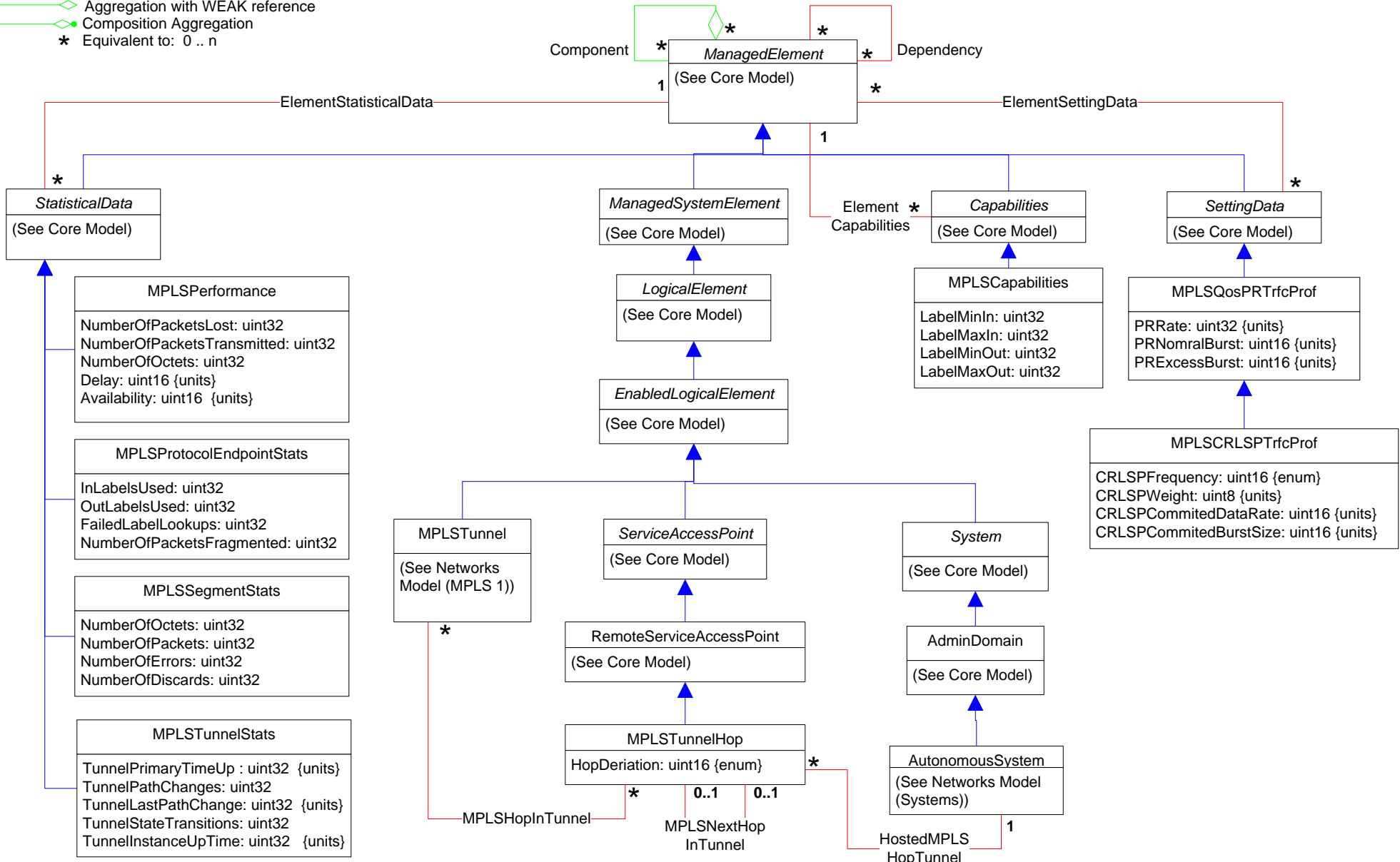
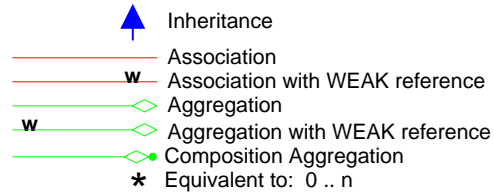


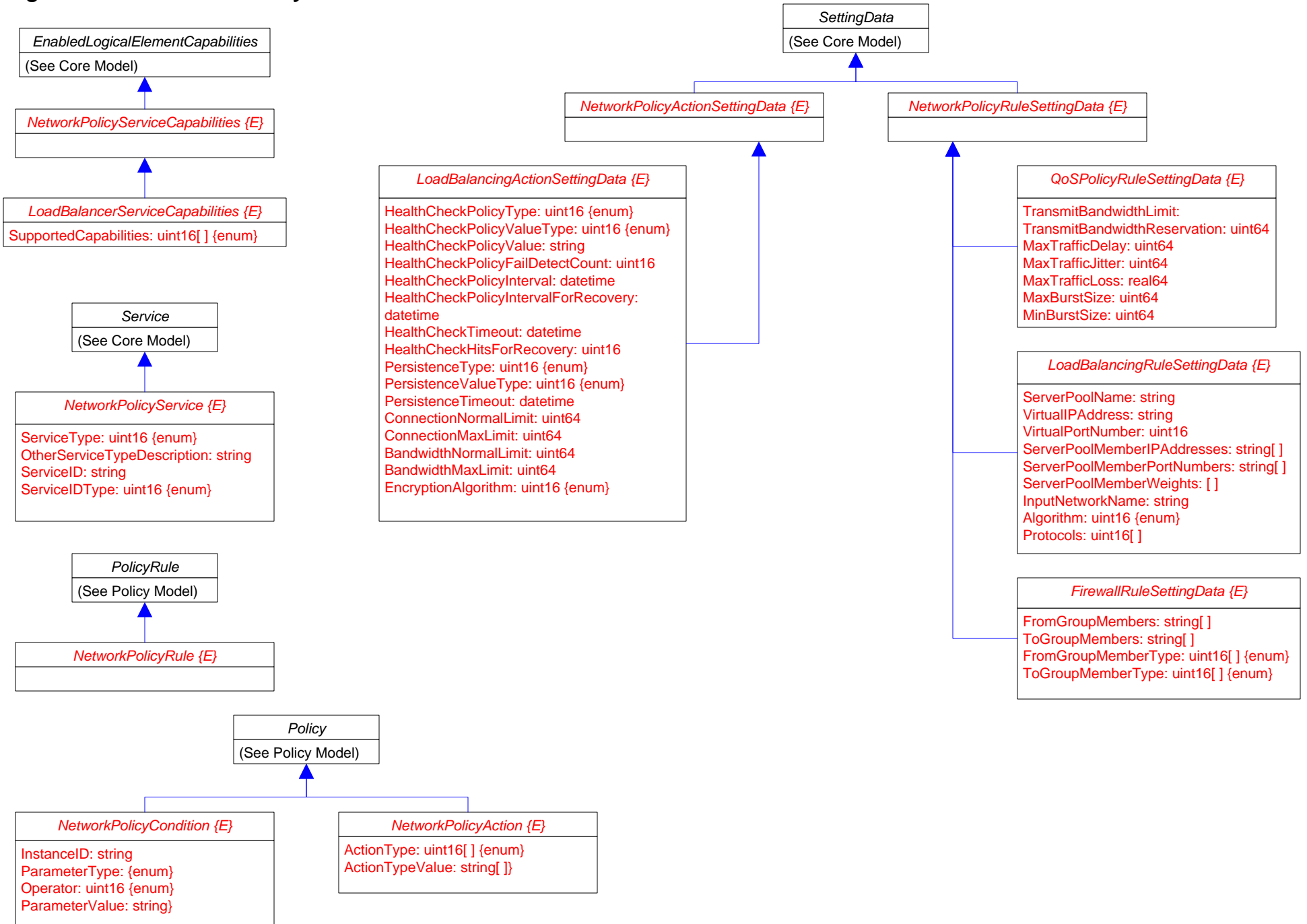











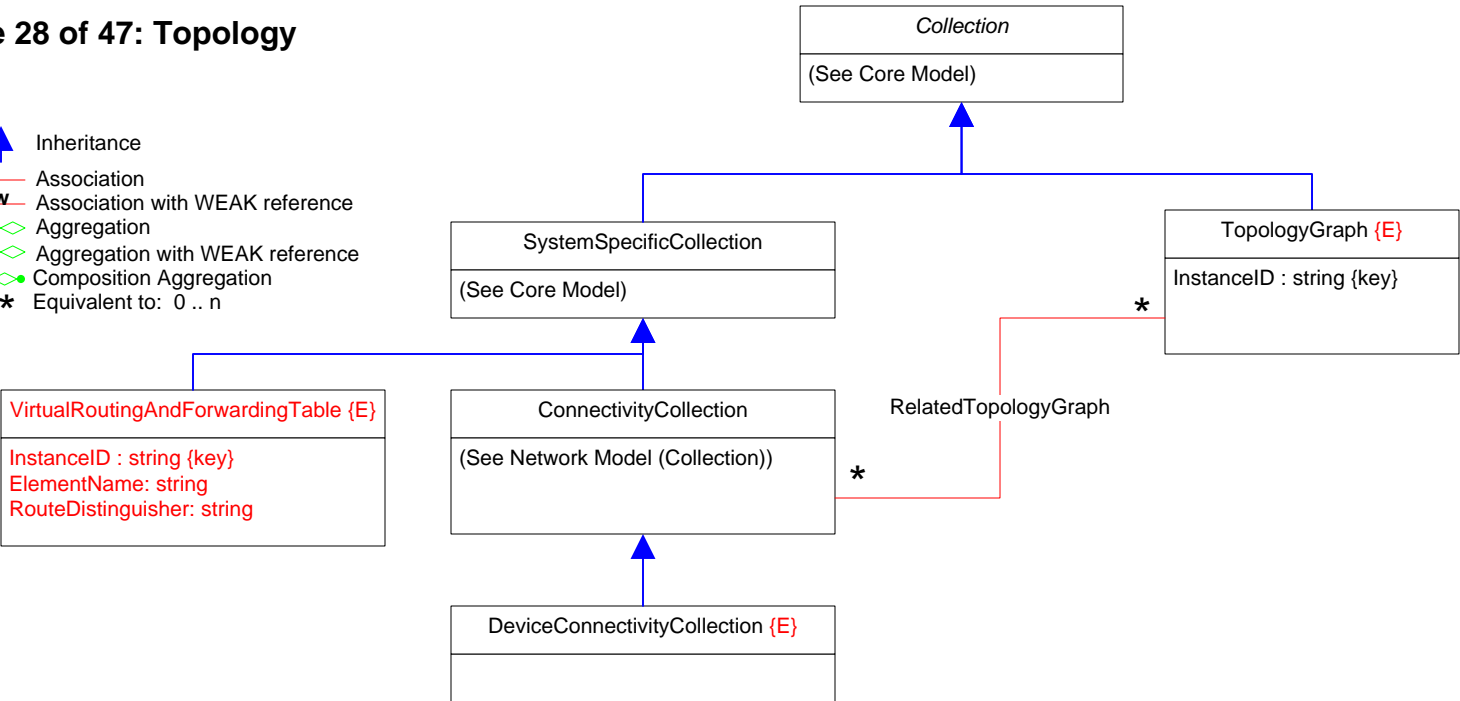
-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0 .. n

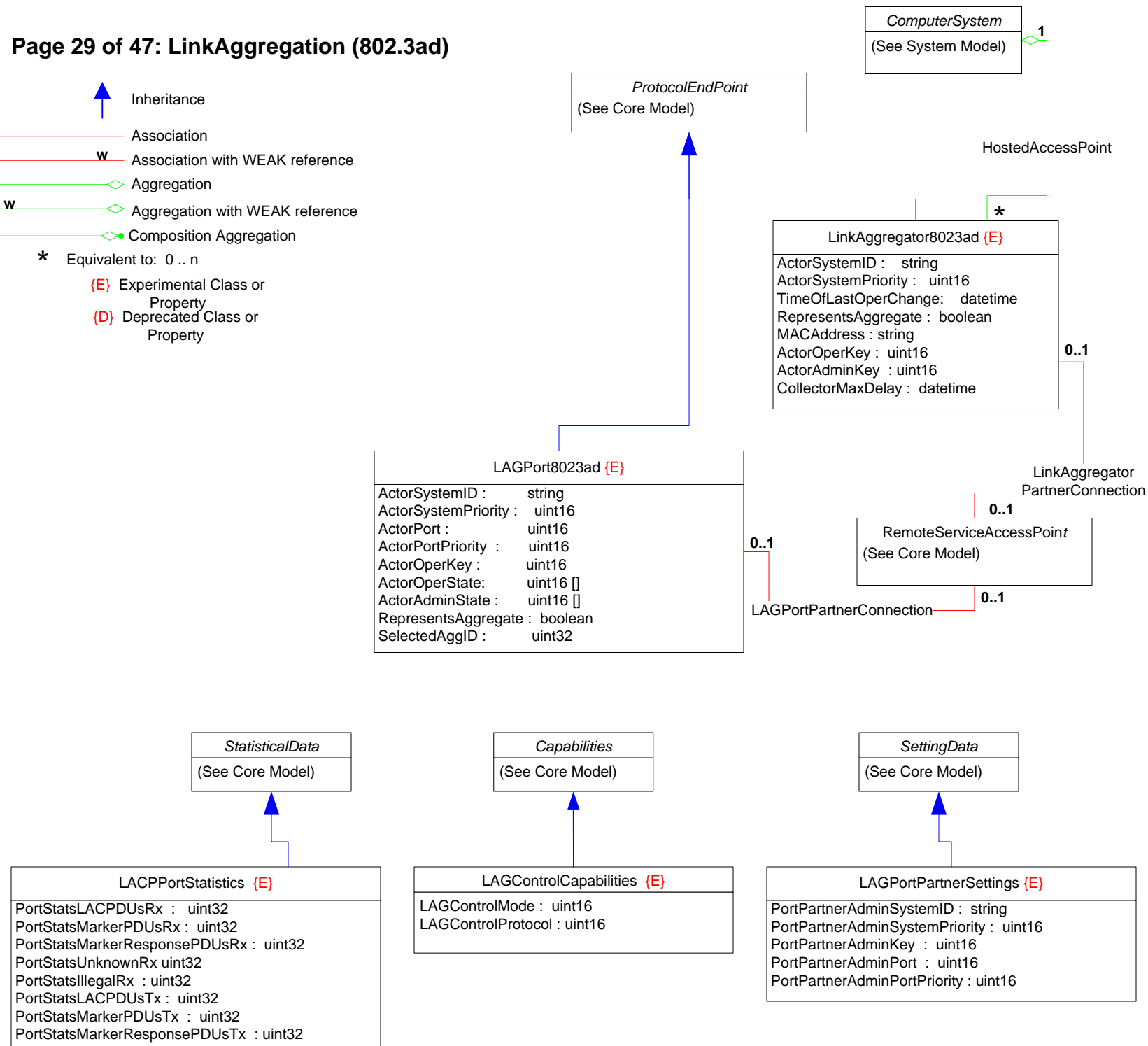
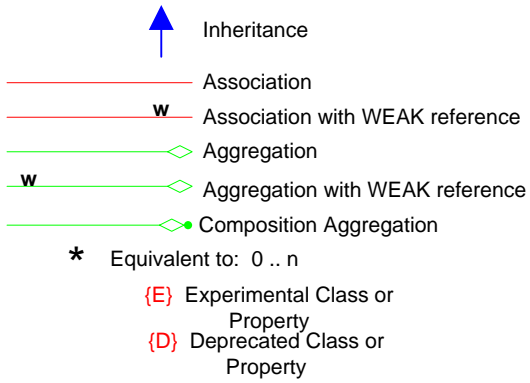




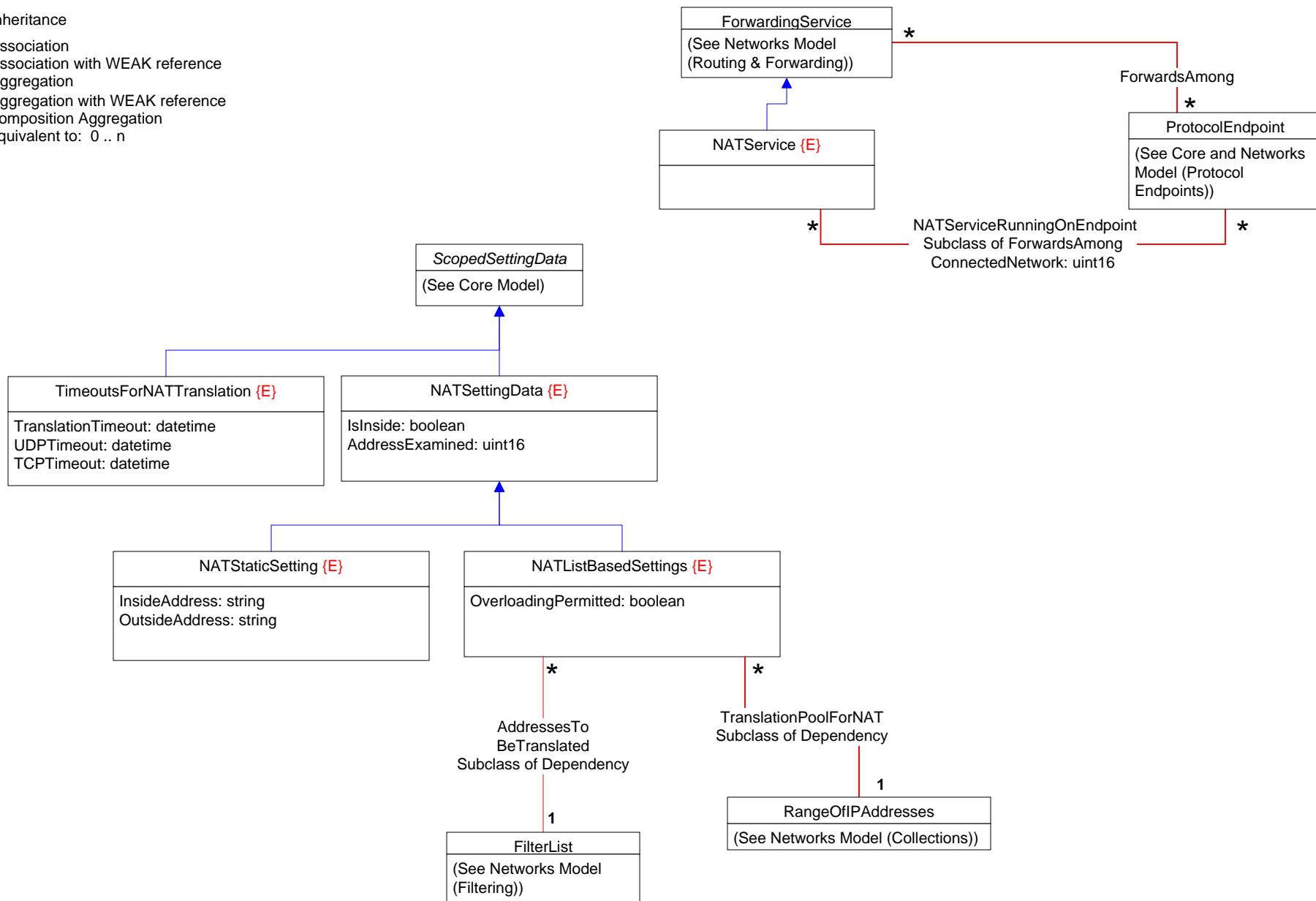
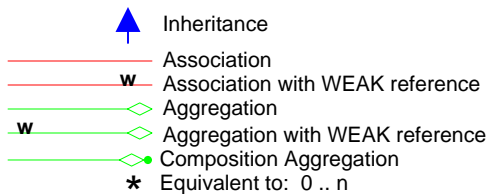









-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0 .. n

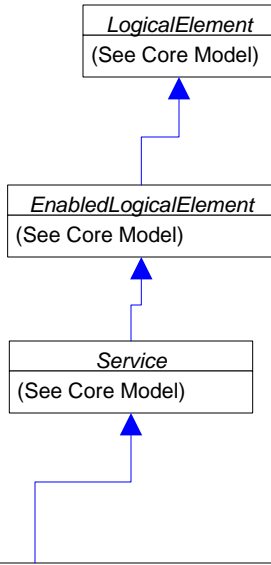




## Page 25 : Network Address Translation (NAT)



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



**iSCSIConfigurationService {E}**

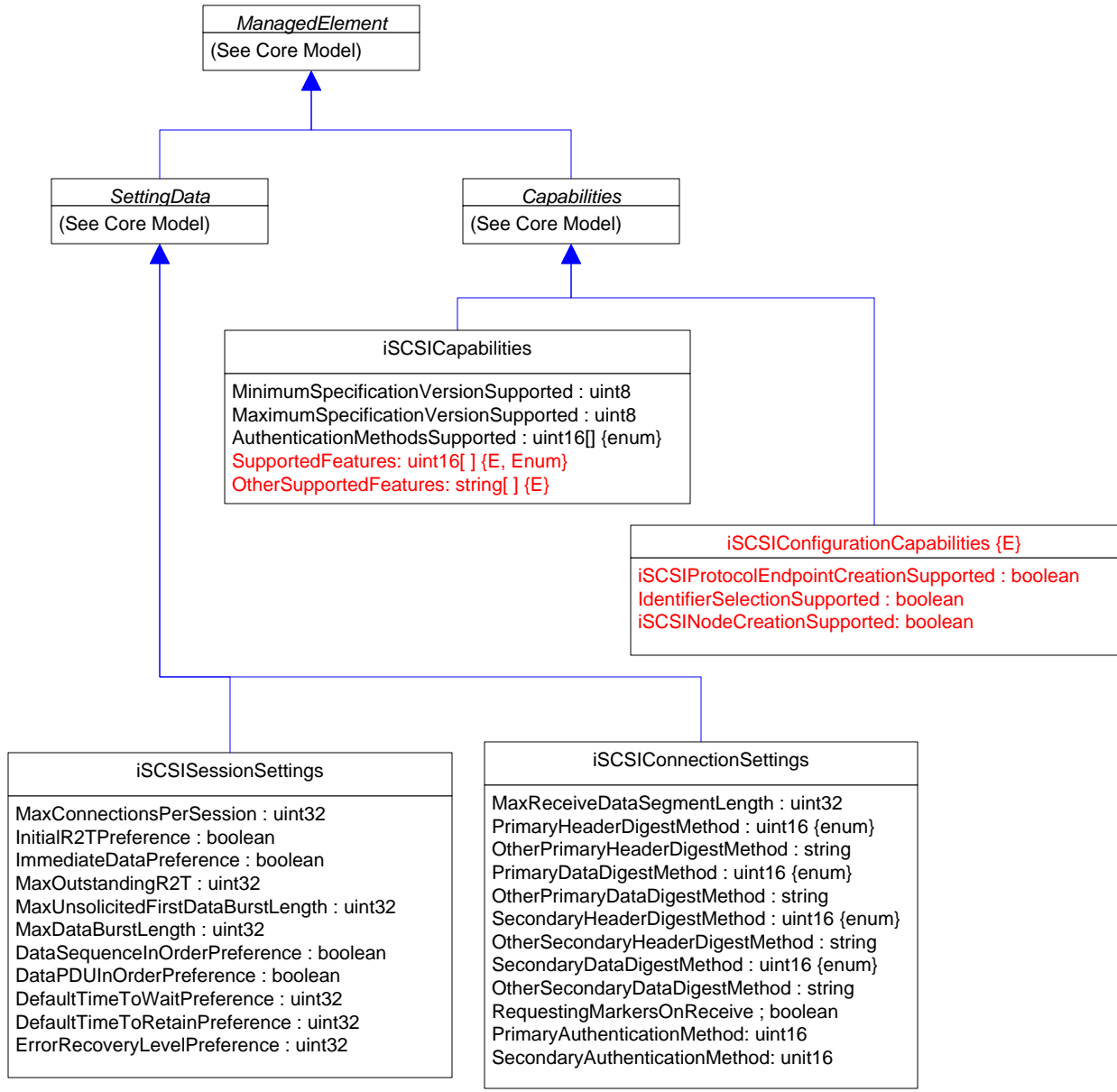
CreateiSCSIProtocolEndpoint ( [IN] iSCSINode : ref SCSIProtocolController, [IN] Role : uint16 {enum}, [IN] Identifier : string, [IN] NetworkPortals : ref ProtocolEndpoint[], [OUT] iSCSIPort : ref iSCSIProtocolEndpoint ) : uint32 {enum}

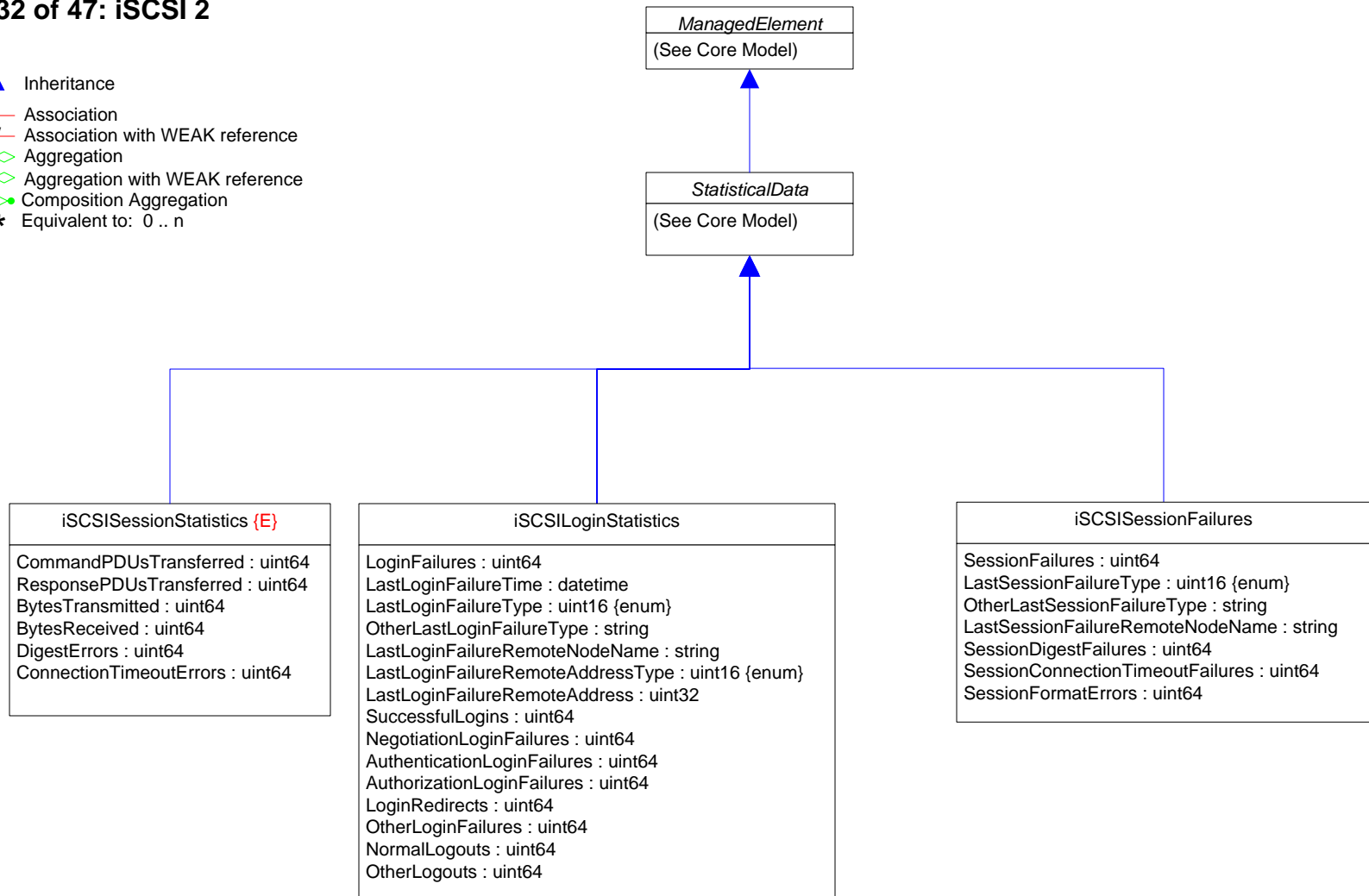
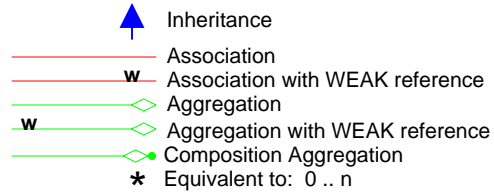
DeleteiSCSIProtocolEndpoint( [IN] iSCSIPort : ref iSCSIProtocolEndpoint ) : uint32 {enum}

BindiSCSIProtocolEndpoint ( [IN] iSCSIPort : ref iSCSIProtocolEndpoint, [IN] NetworkPortal : ref ProtocolEndpoint ) : uint32 {enum}








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

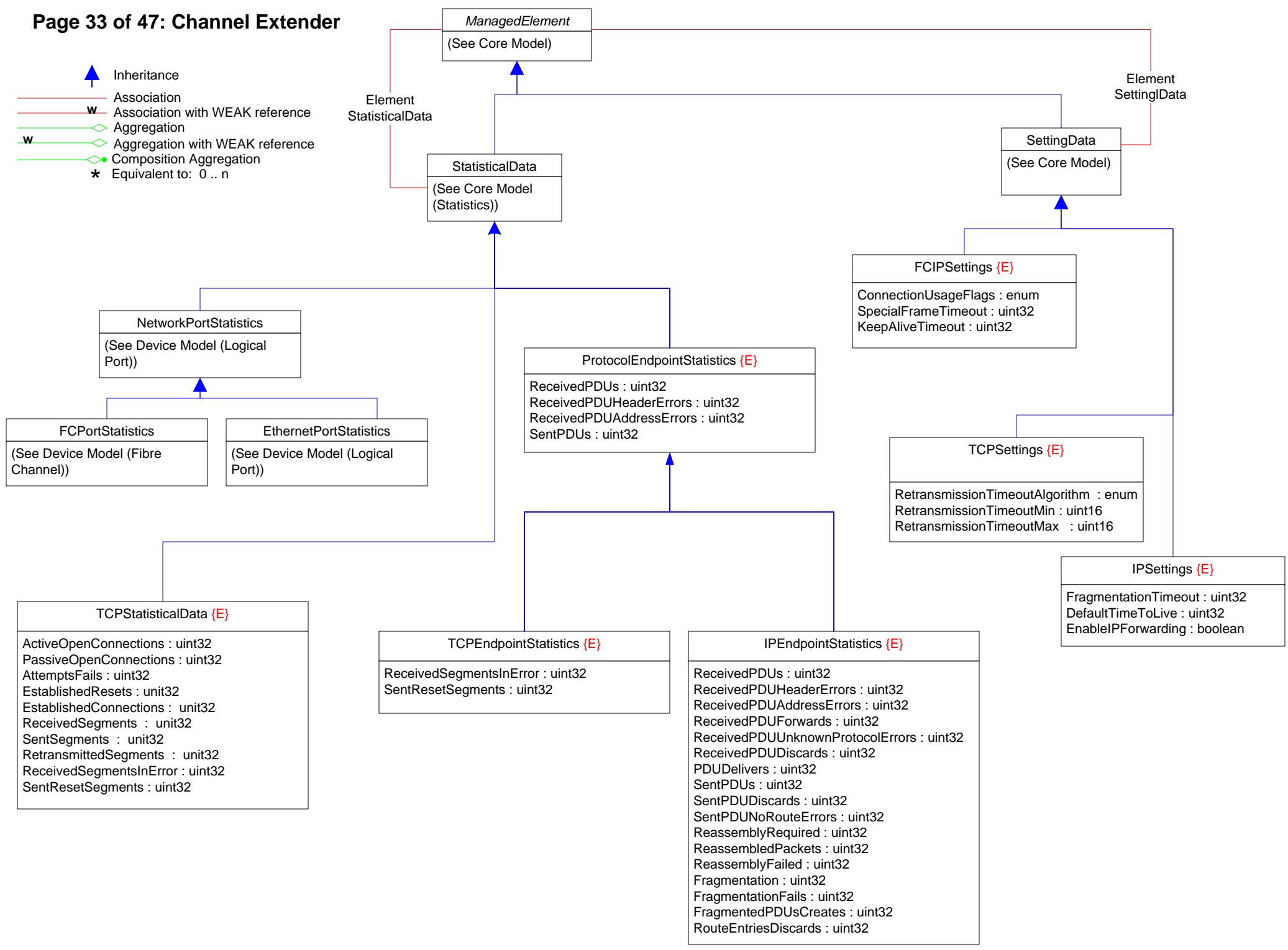
DeleteiSCSINode ( [IN] iSCSINode: ref SCSIProtocolController) : uint32

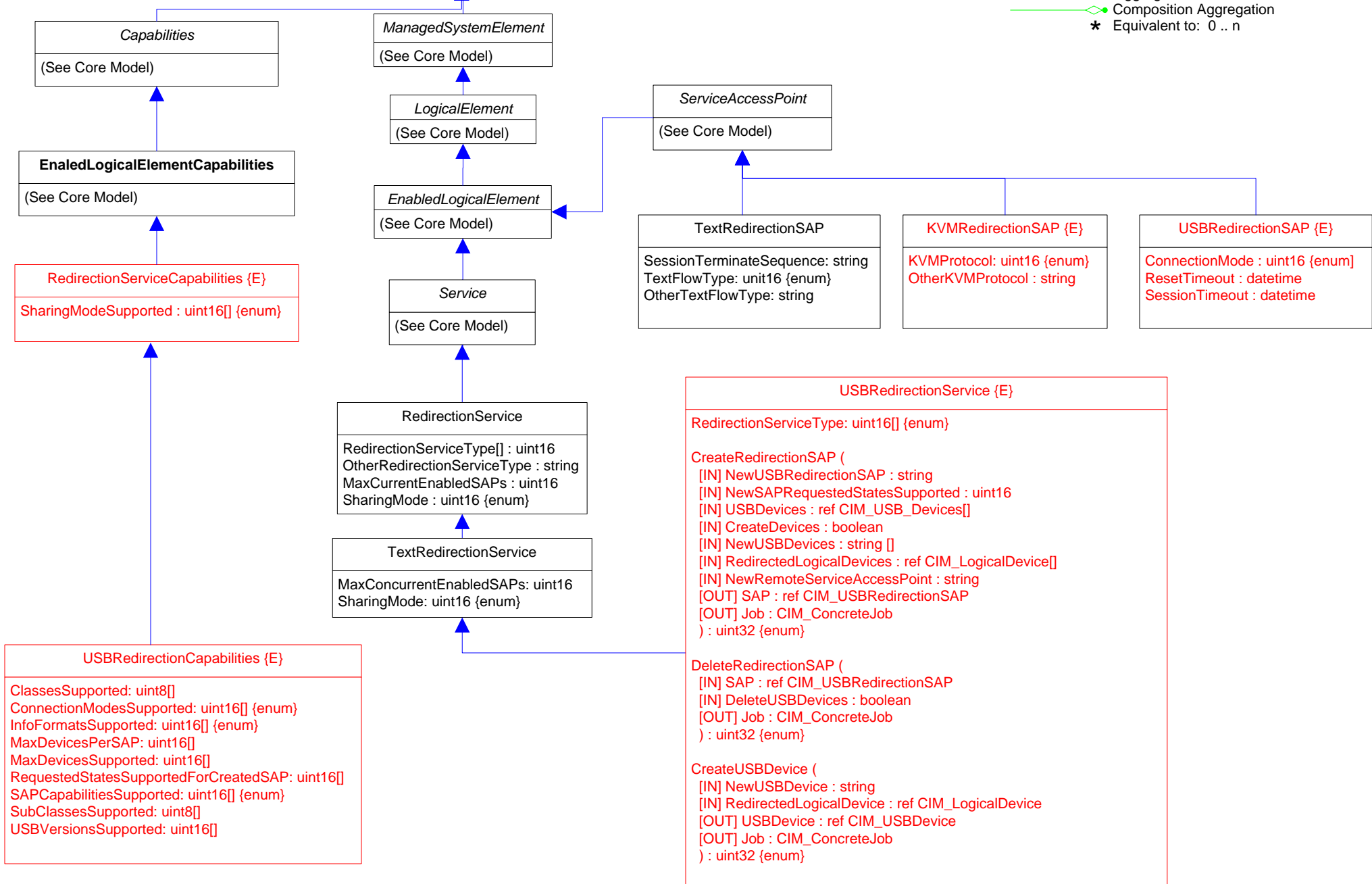
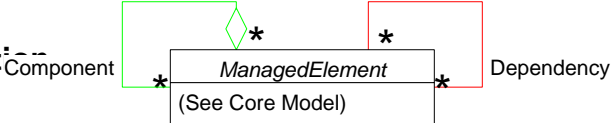


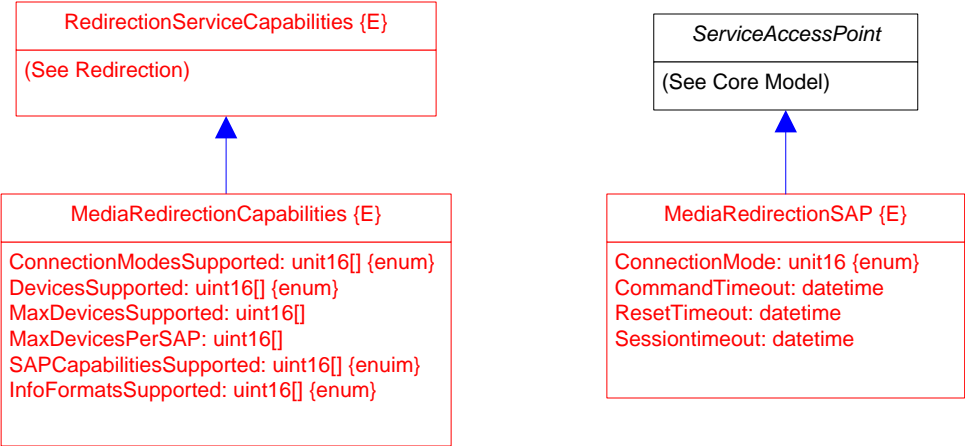
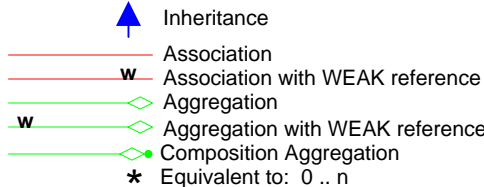











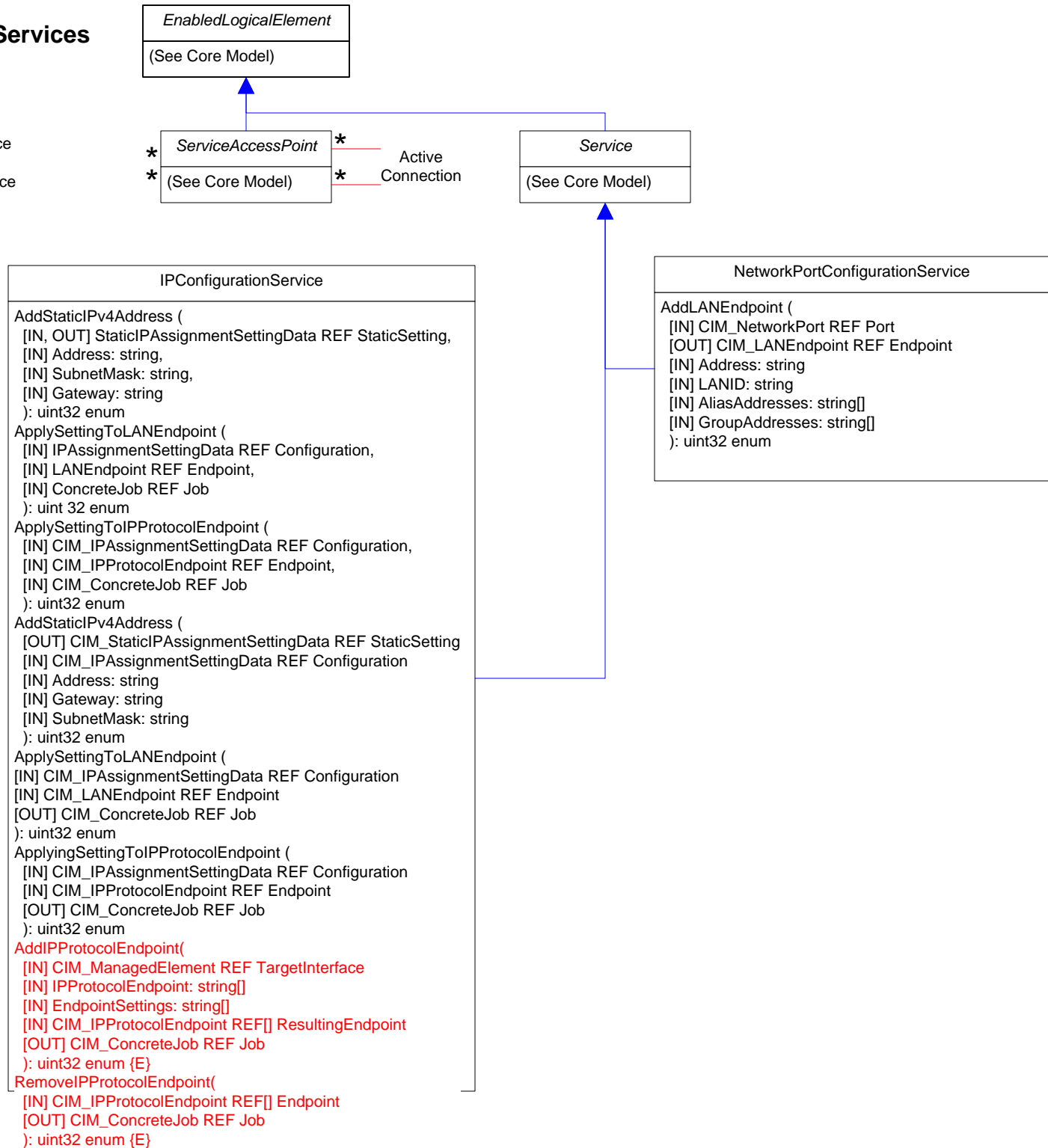
-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0 .. n

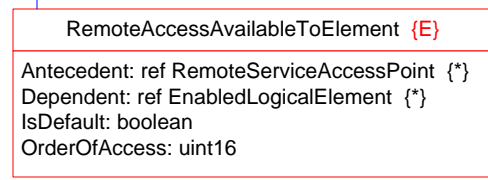
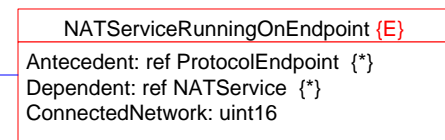
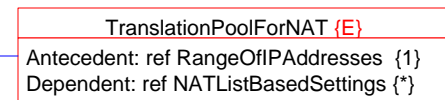
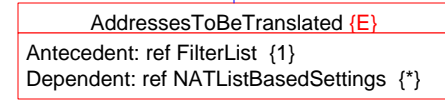
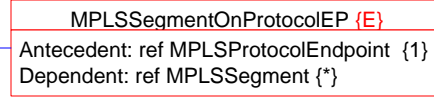
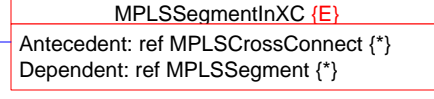
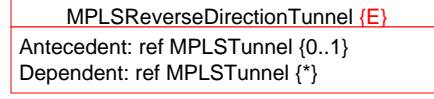
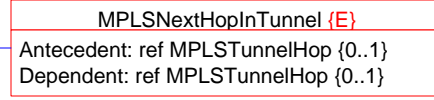
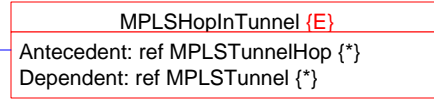
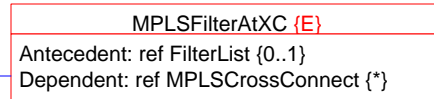
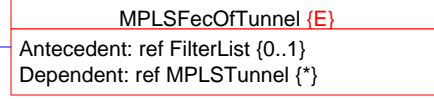
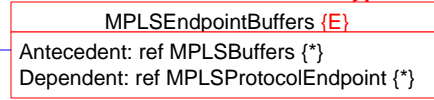
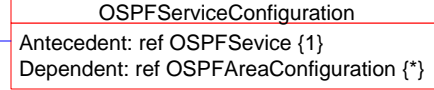
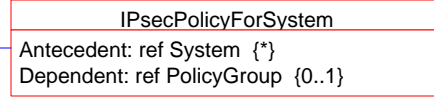
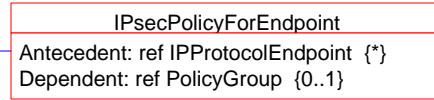
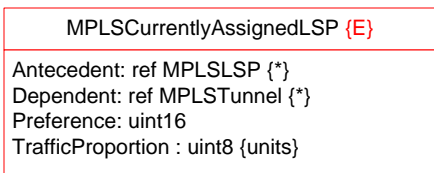
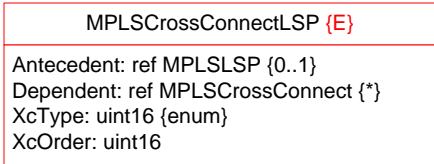
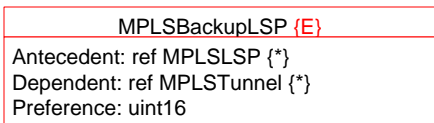
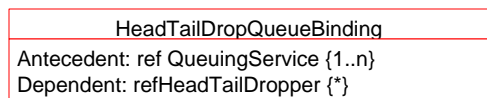
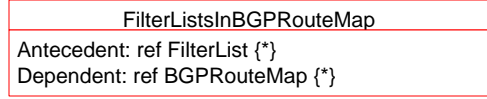
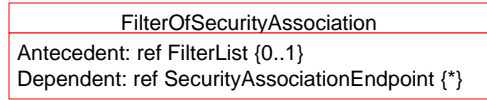
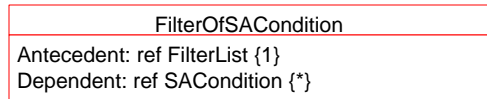
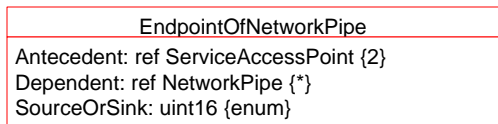
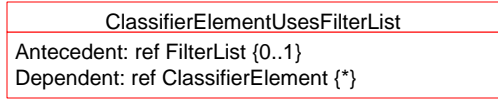
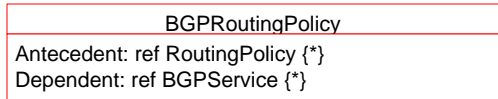
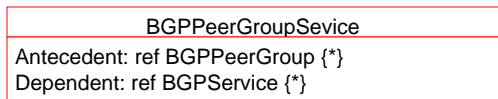
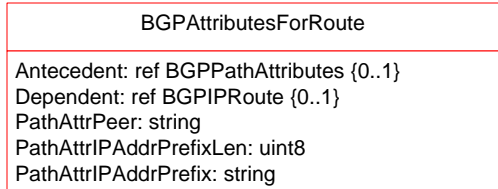
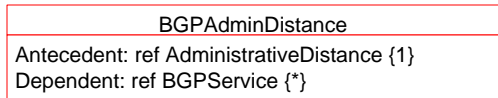
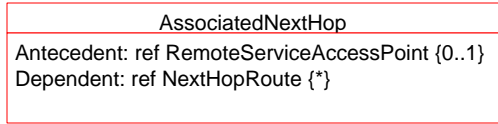
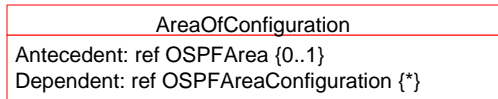
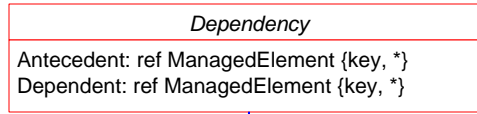


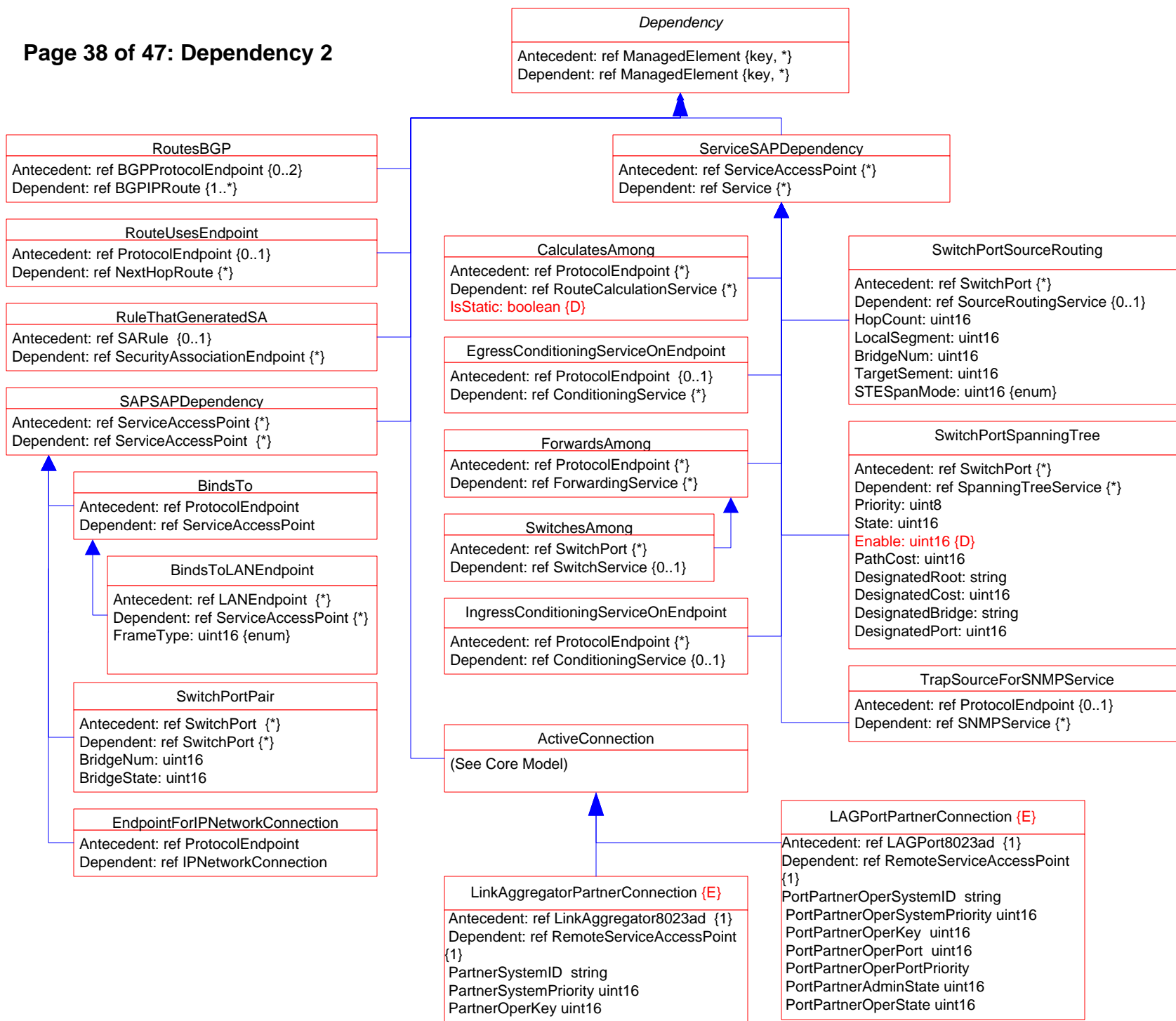


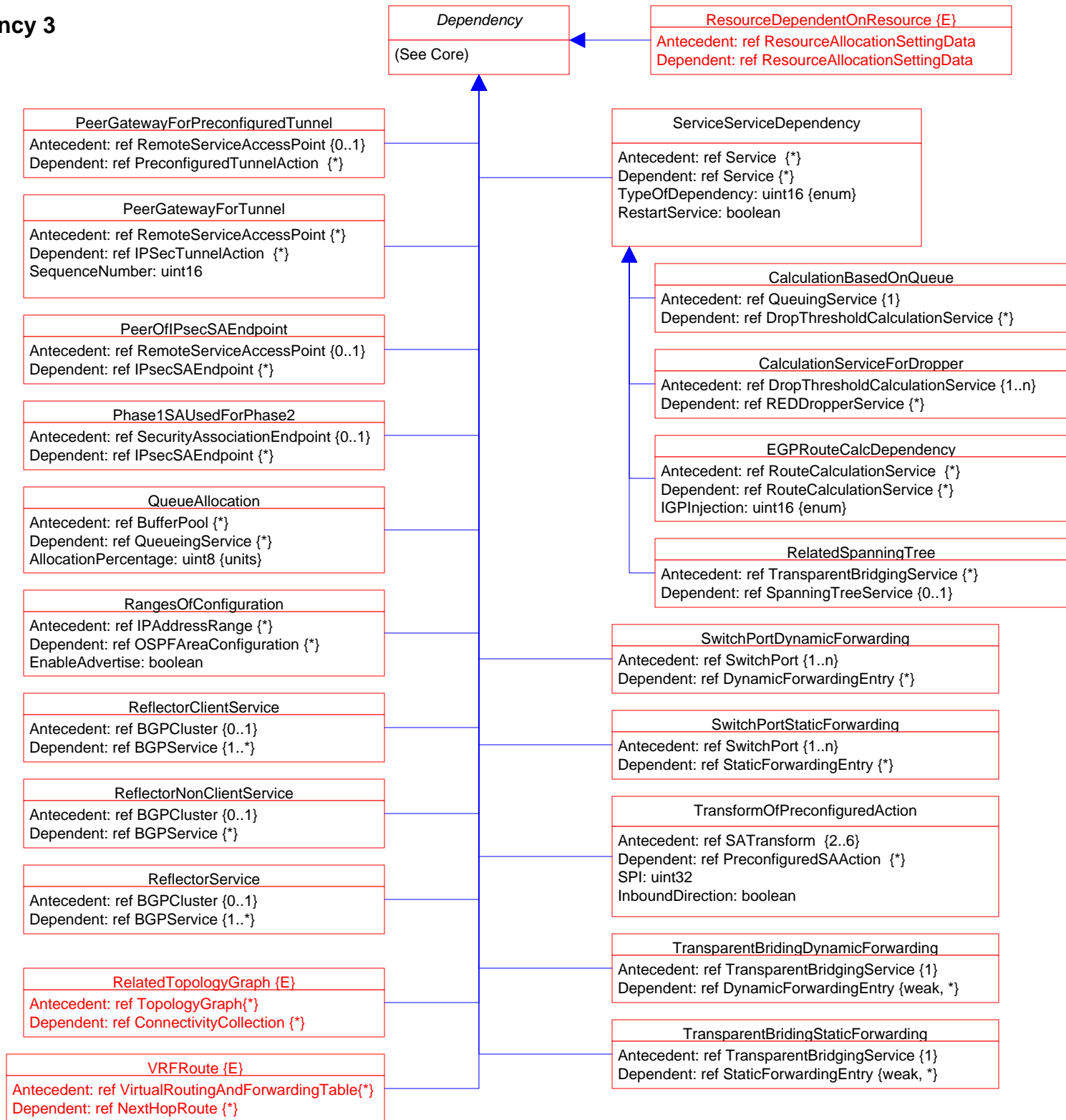


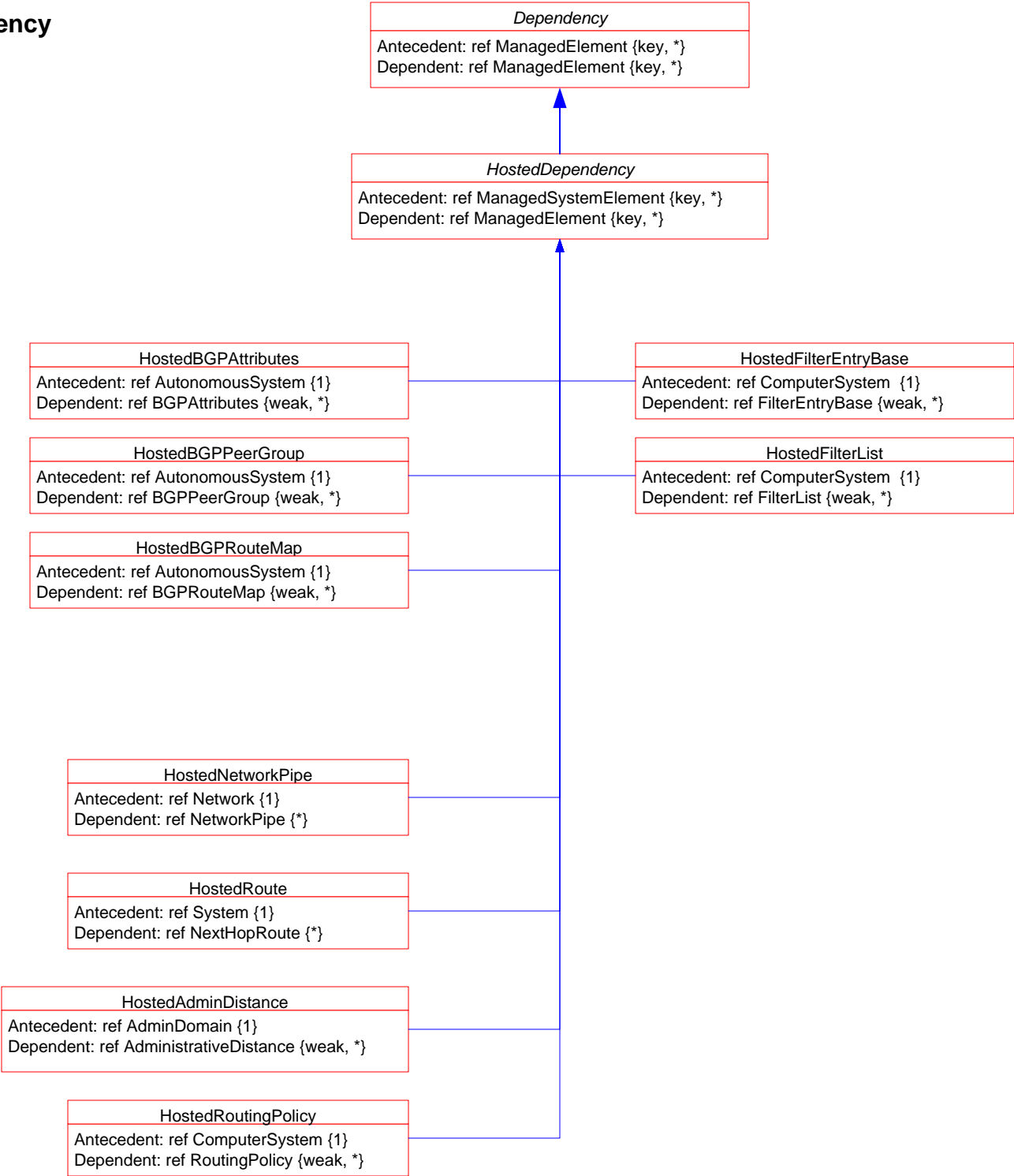
-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0 .. n





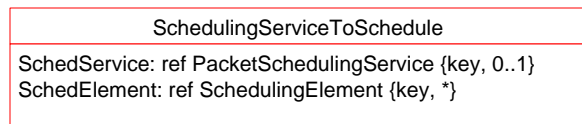
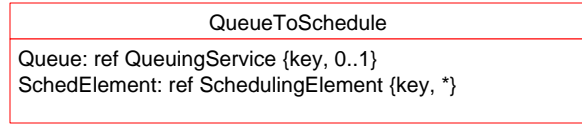
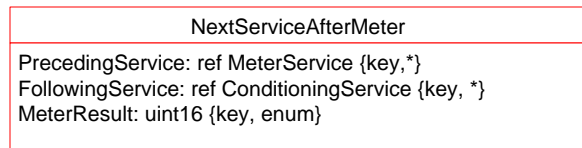
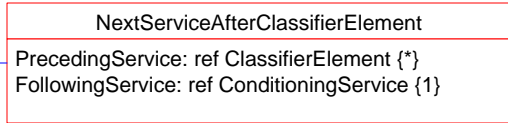
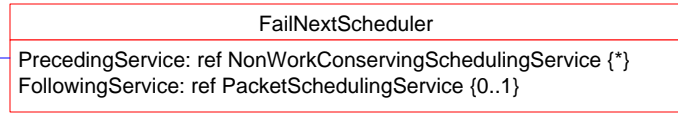
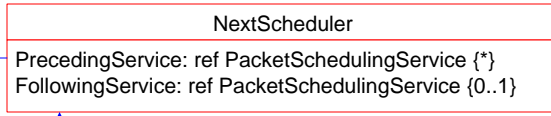
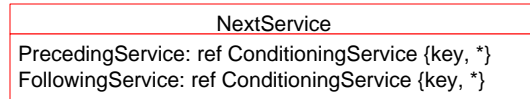
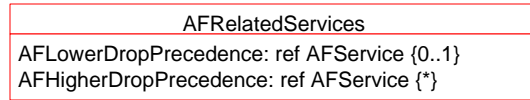
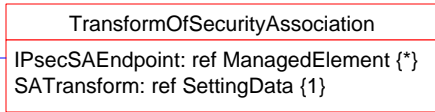
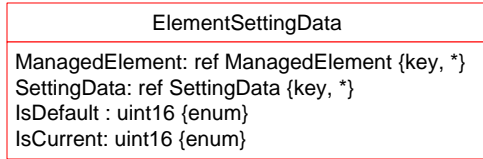
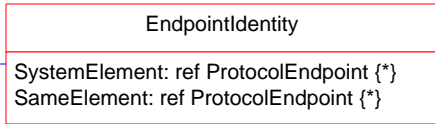
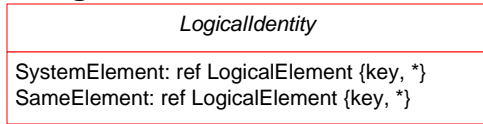




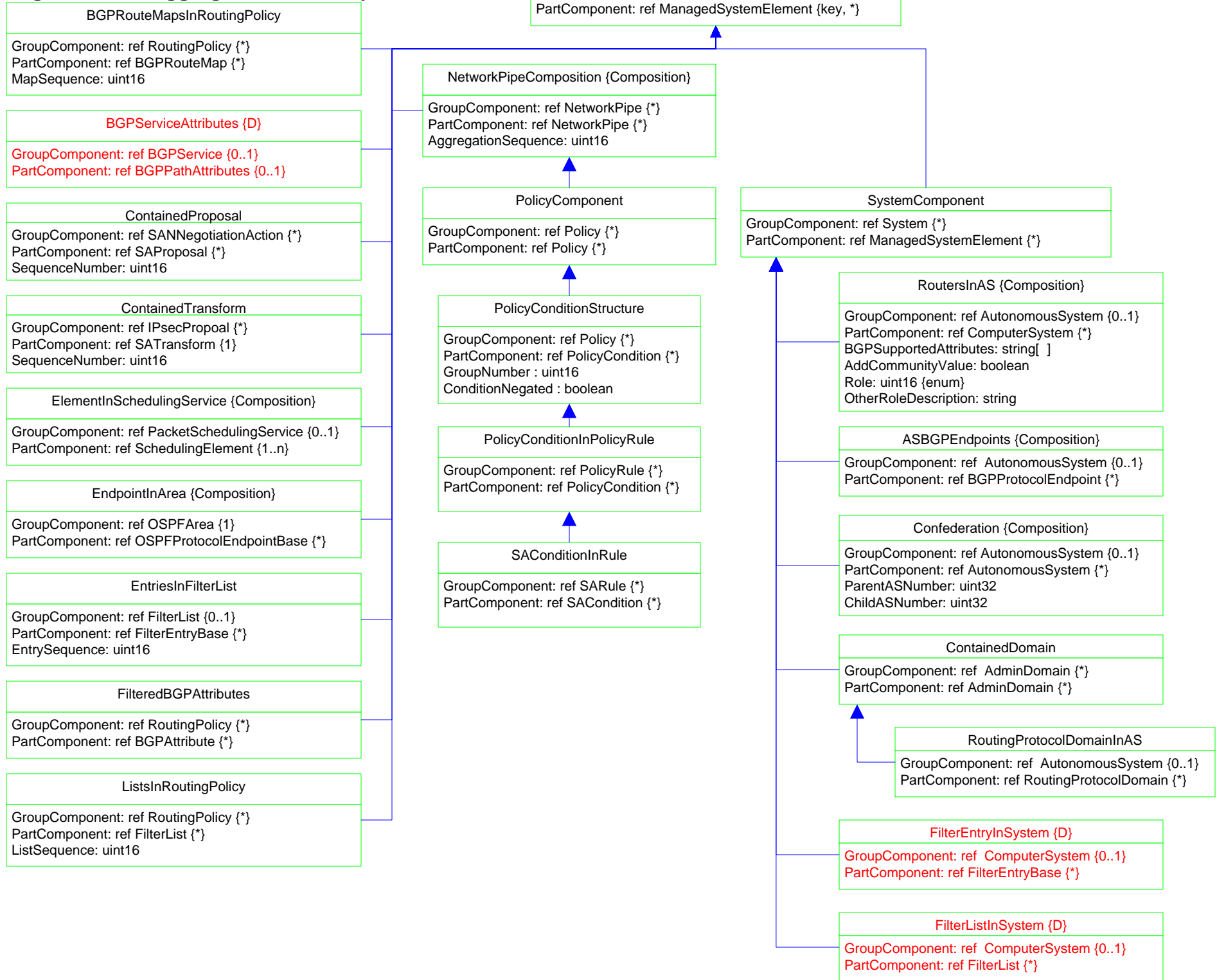


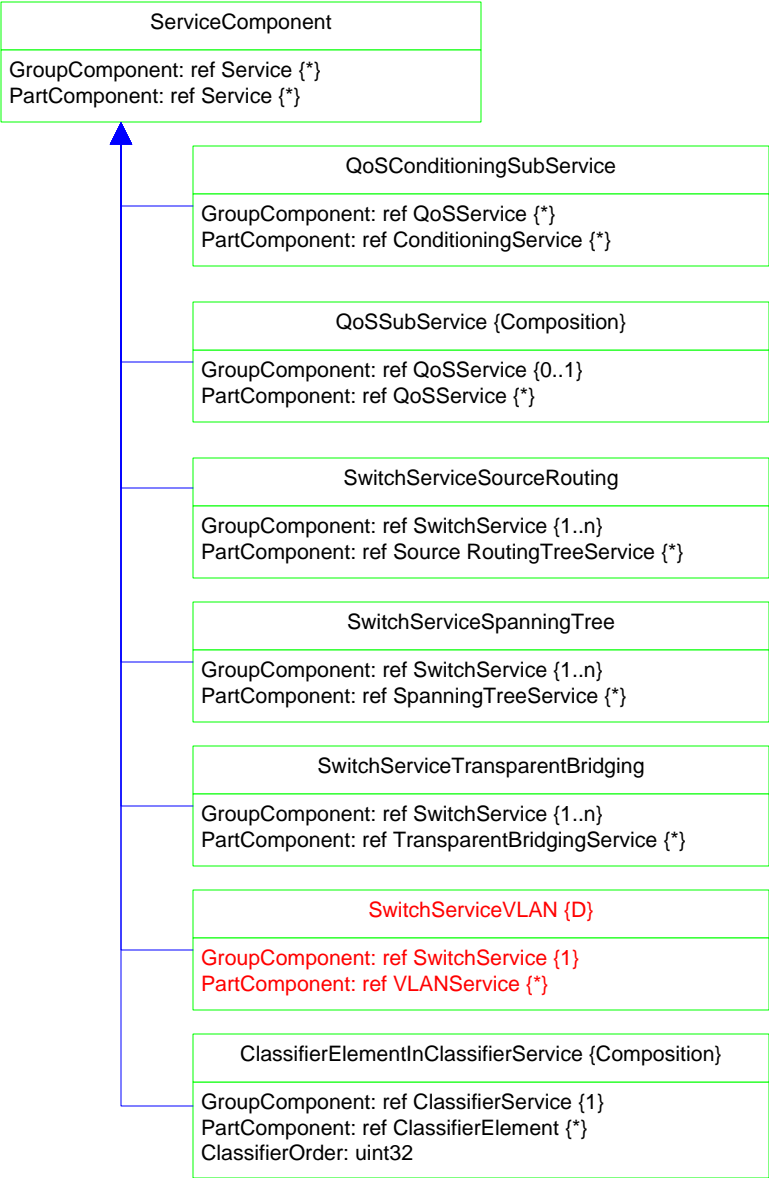


# Page 41 of 47: Association Hierarchy



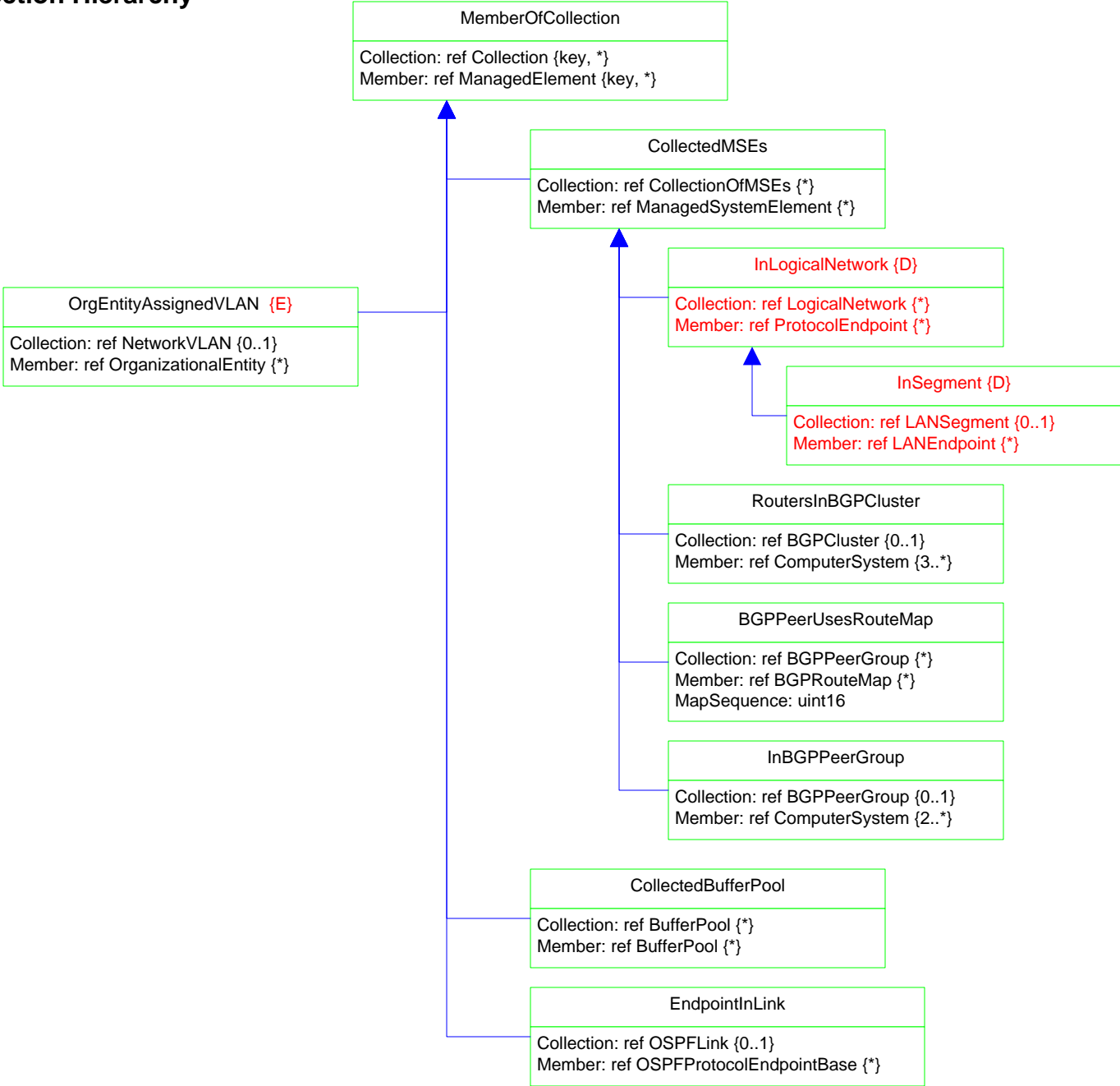
# Page 42 of 47: Aggregation Hierarchy 1





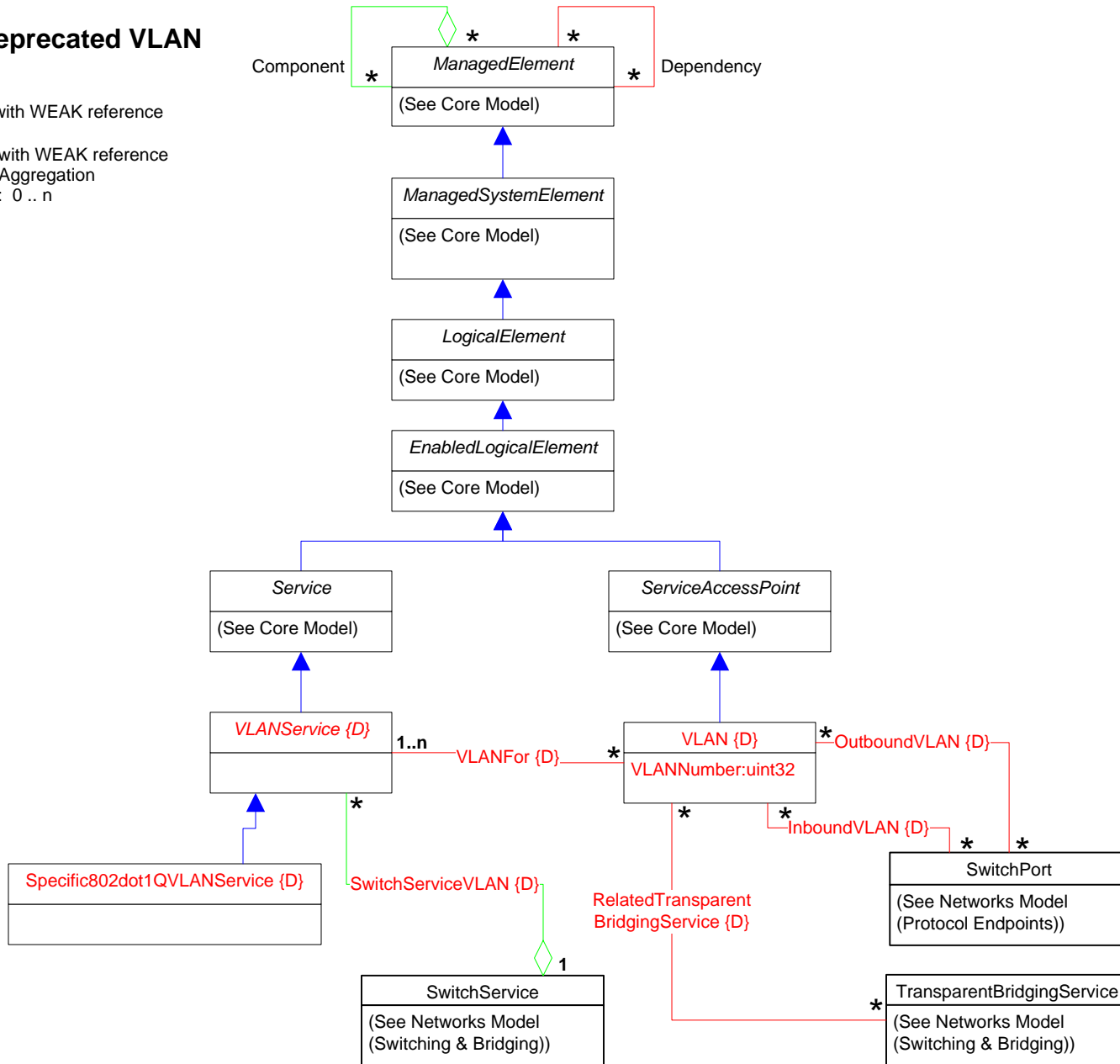
BGPClustersInAS {Composition}
GroupAS: ref AutonomousSystem {key, 0..1}
PartAS: ref BGPCluster {key, *}

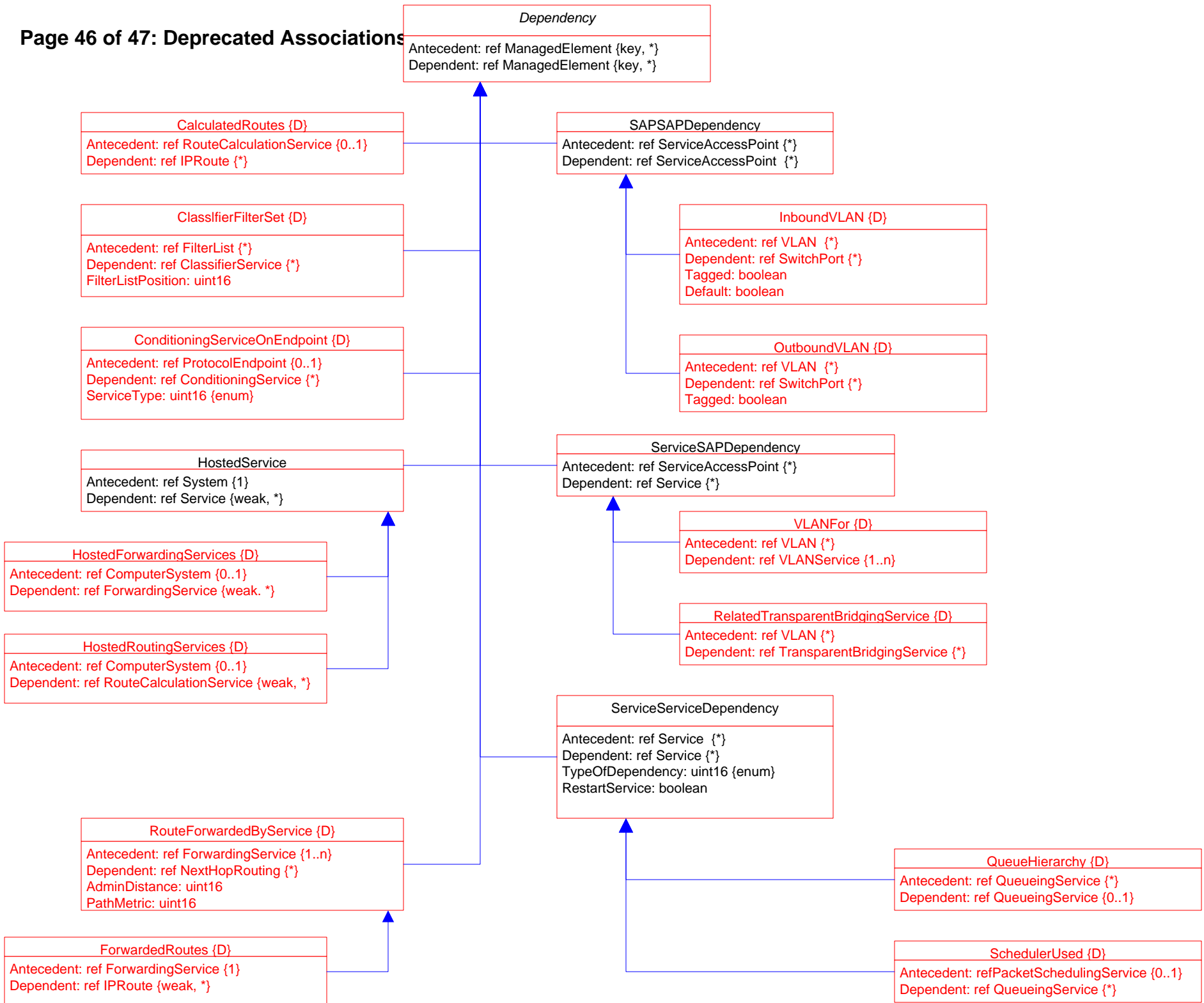
Page 44 of 47: MemberOfCollection Hierarchy



# Page 45 of 47: Deprecated VLAN

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





Page 47 of 47: Deprecated Associations 2

