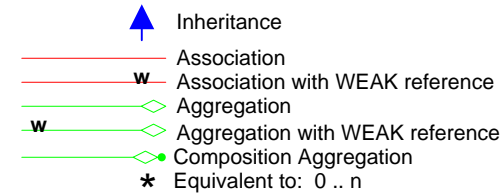
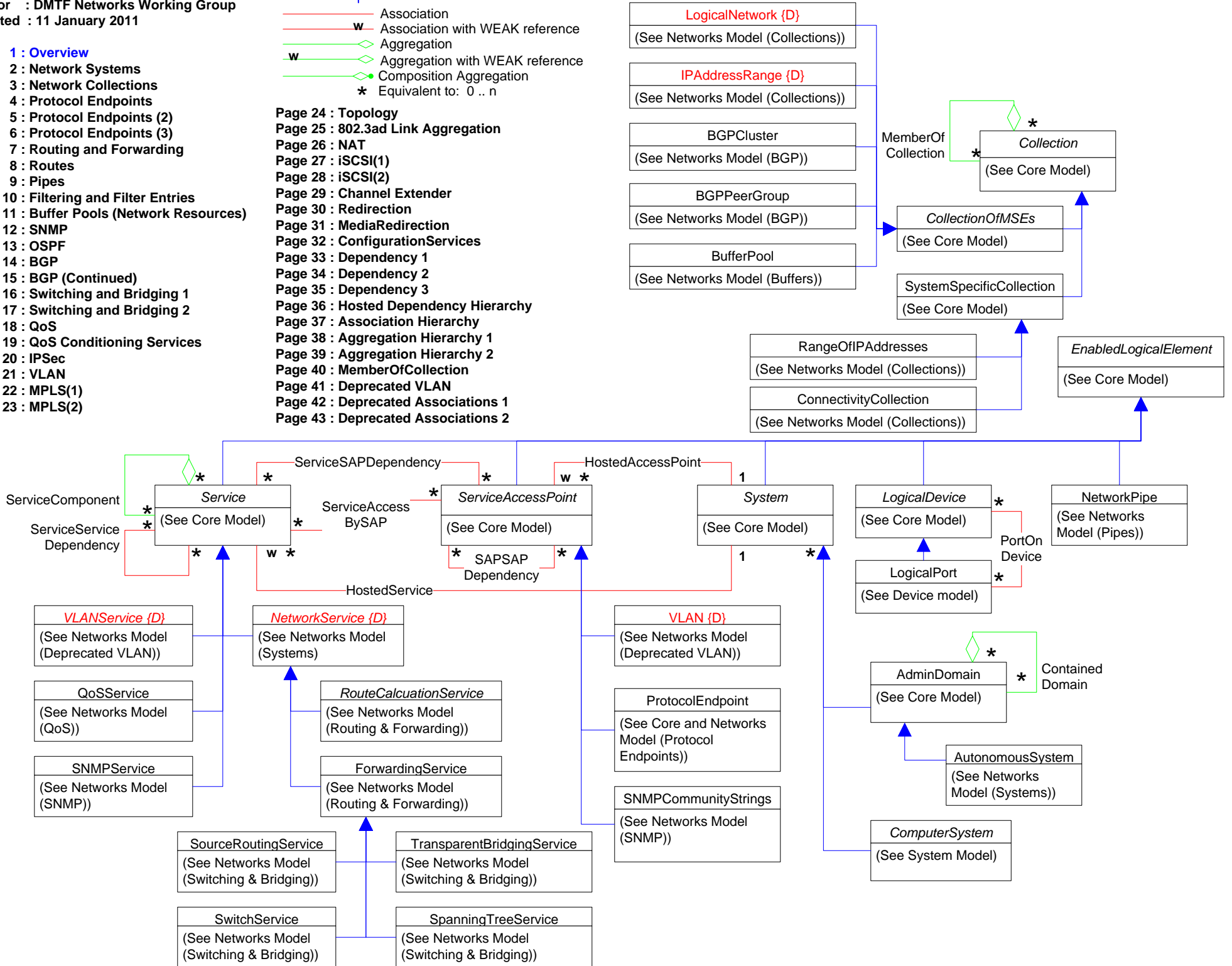


Page 1 : Overview








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- Page 3 : Network Collections
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- Page 5 : Protocol Endpoints (2)
- Page 6 : Protocol Endpoints (3)
- Page 7 : Routing and Forwarding
- Page 8 : Routes
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- Page 10 : Filtering and Filter Entries
- Page 11 : Buffer Pools (Network Resources)
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- Page 18 : QoS
- Page 19 : QoS Conditioning Services
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- Page 21 : VLAN
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- Page 23 : MPLS(2)

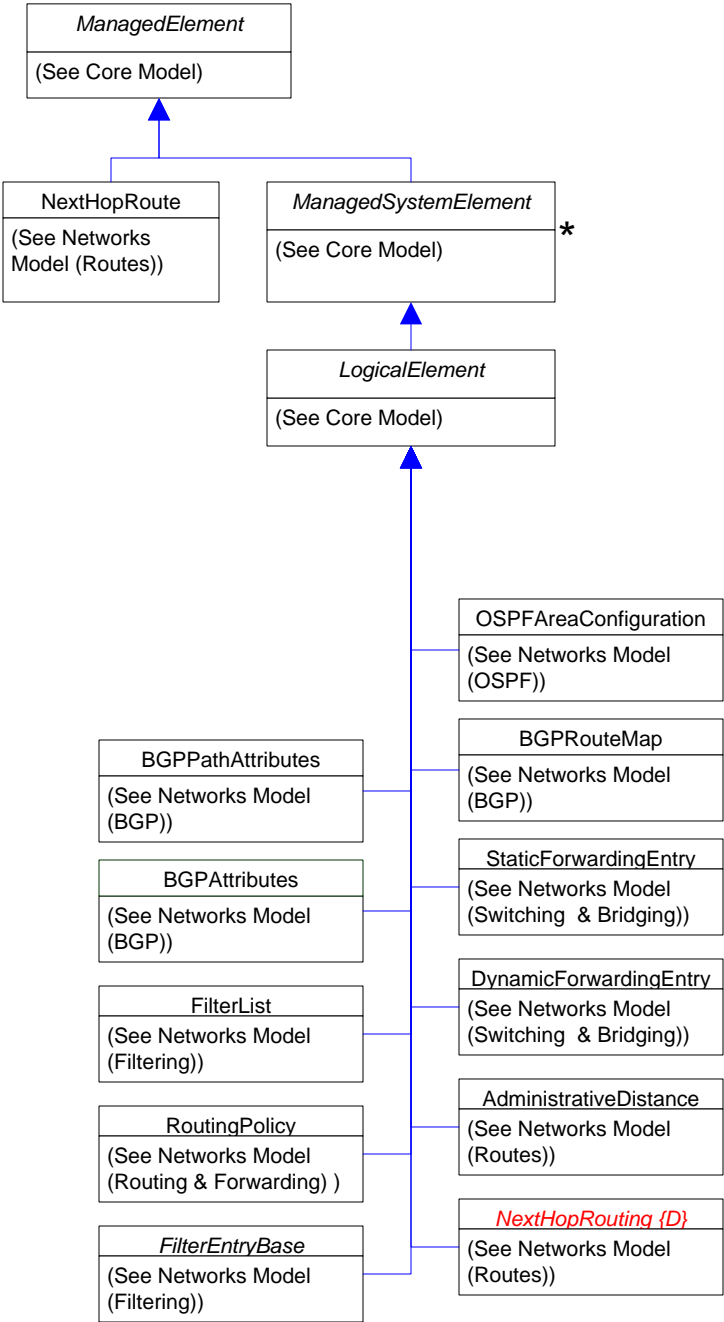


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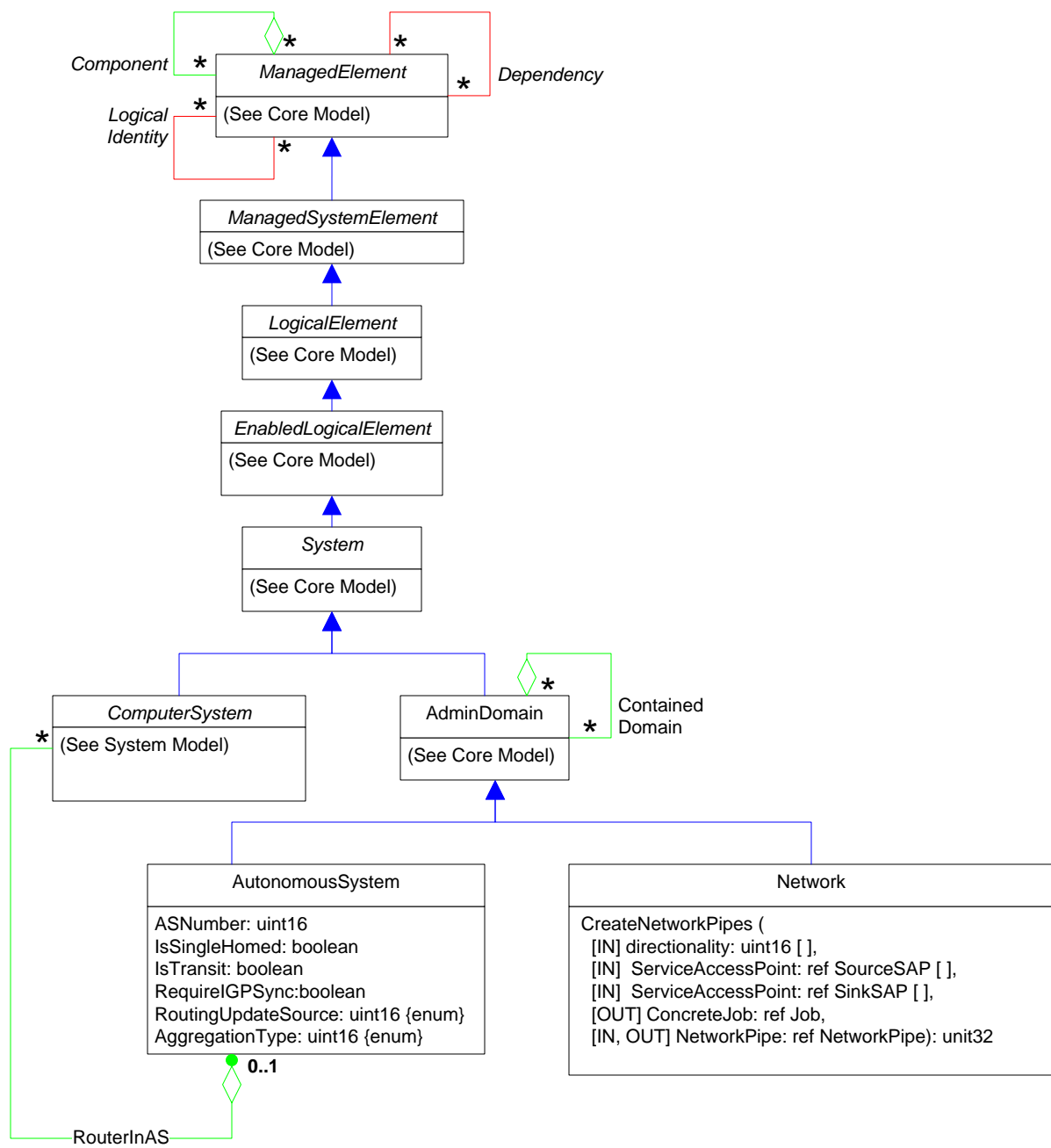
Page 2 of 45: Overview 2








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

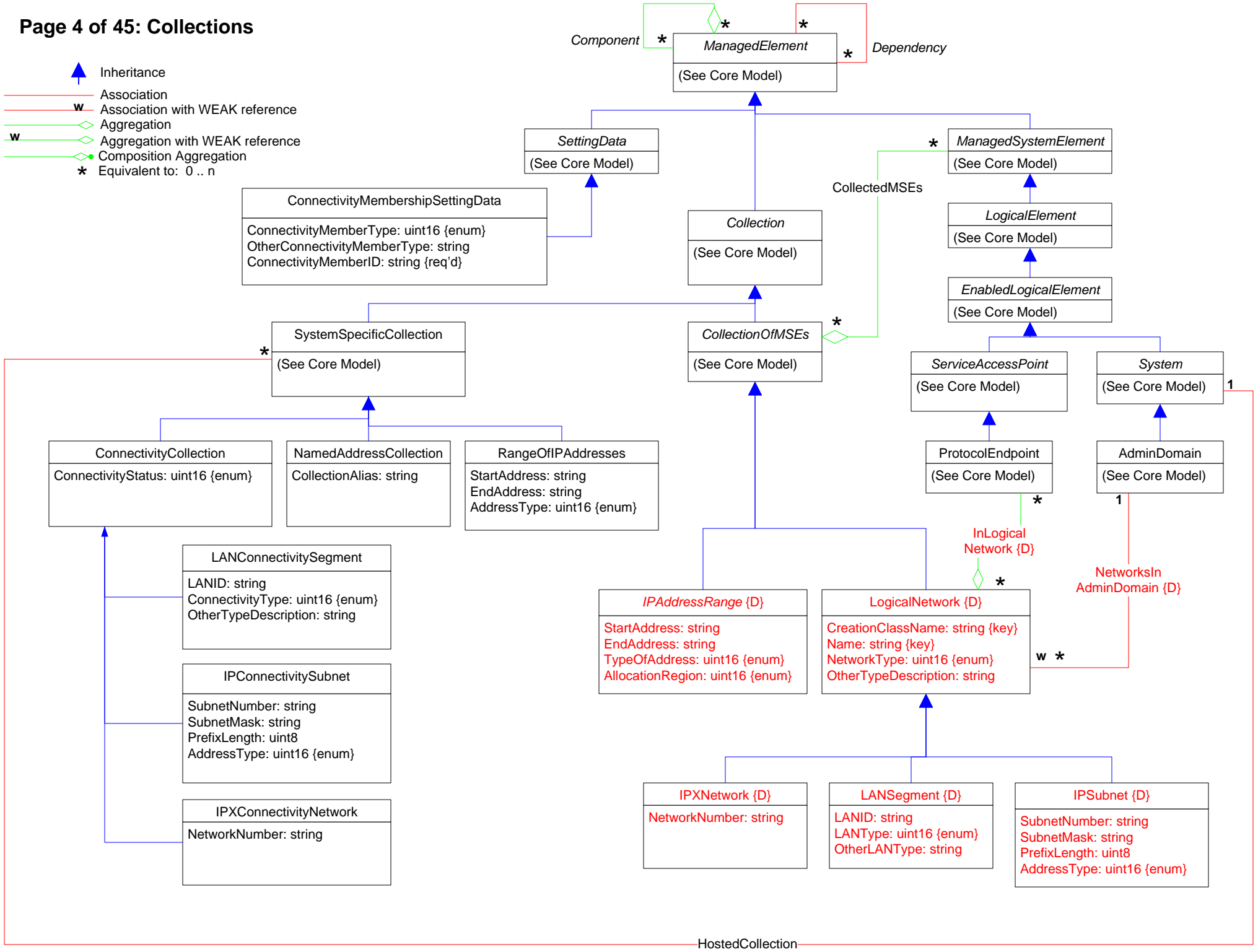


# Page 3 of 45: Systems

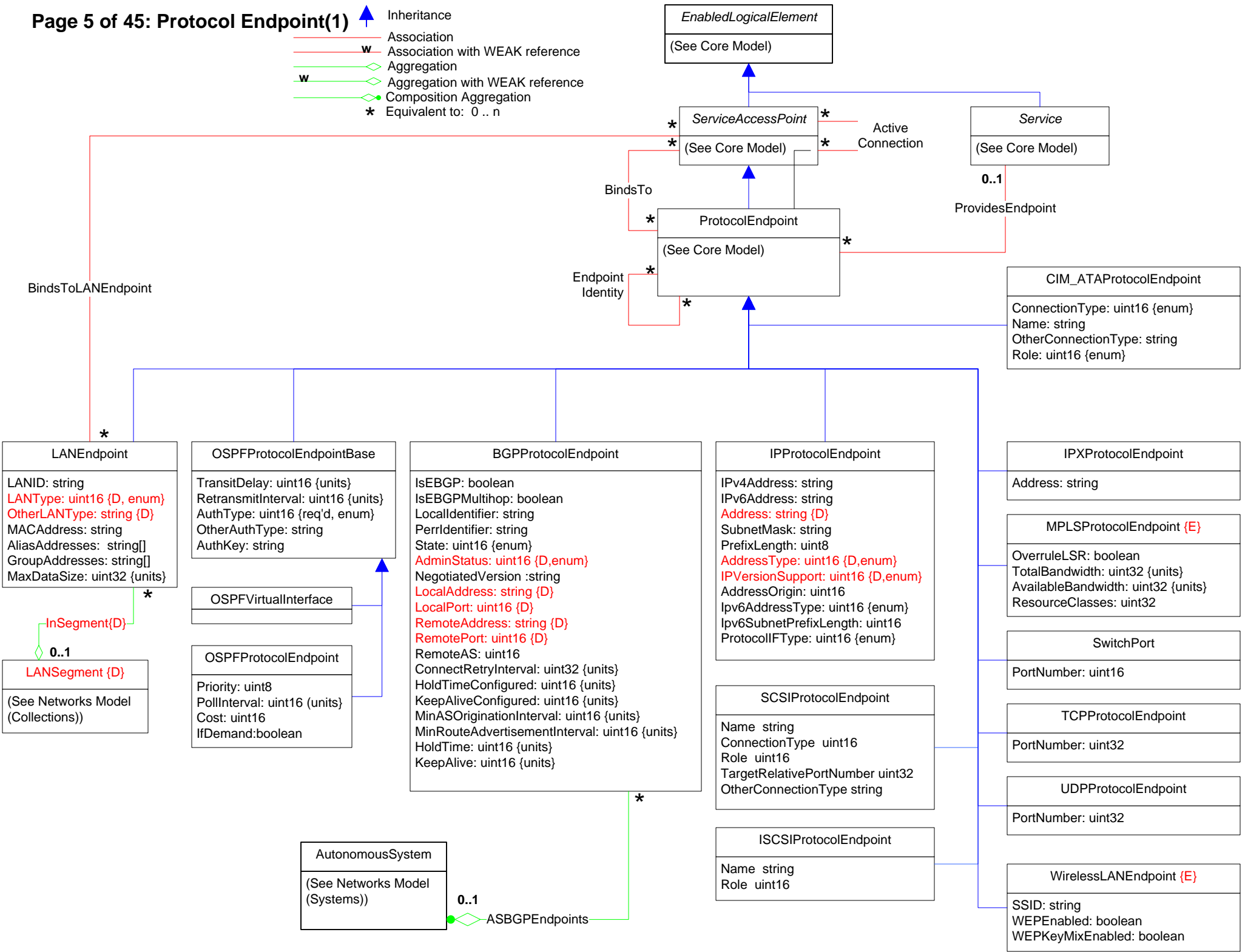
-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0 .. n



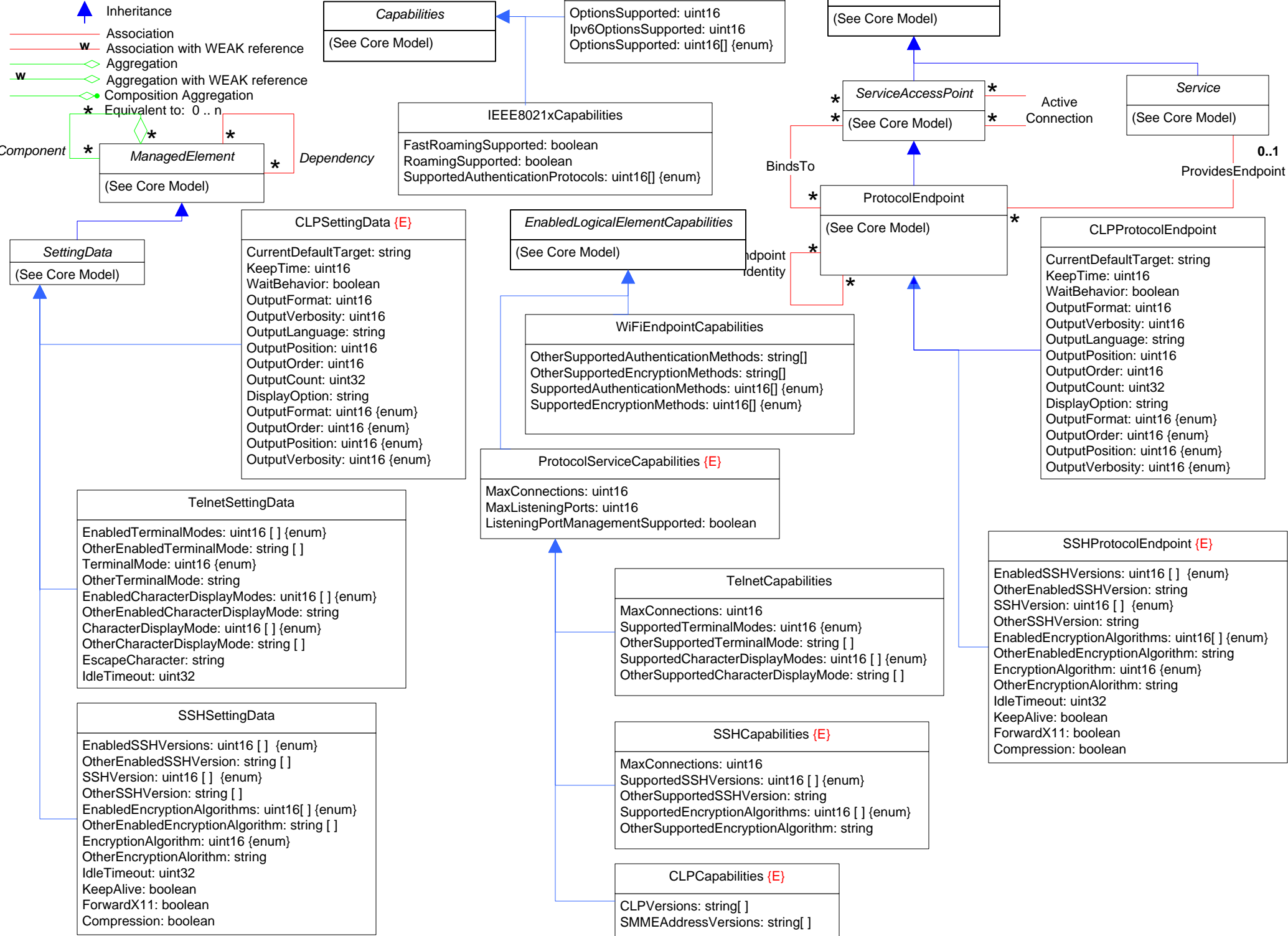
-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0..n

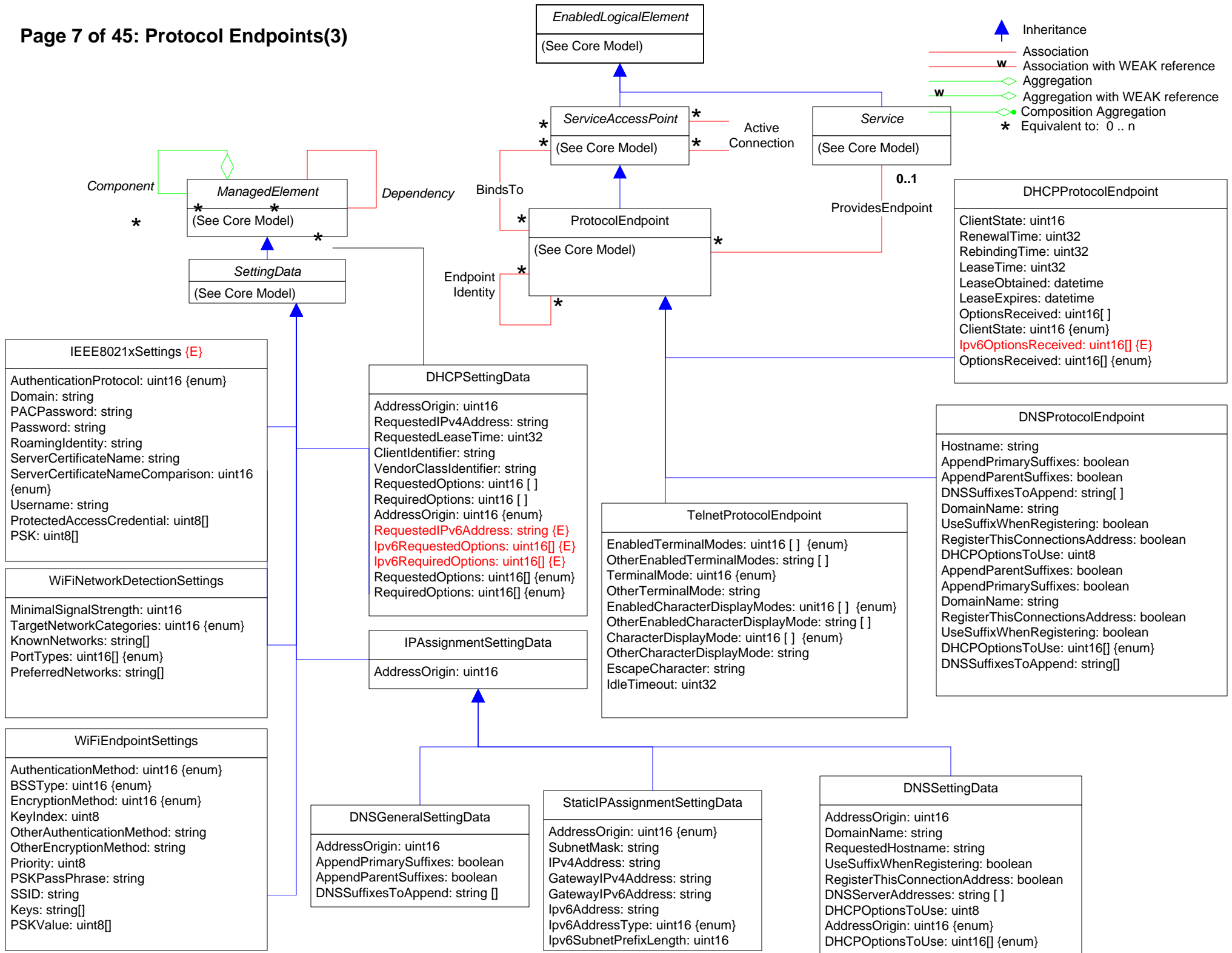


- Inheritance
- Association
- Association with WEAK reference
- Aggregation
- Aggregation with WEAK reference
- Composition Aggregation
- Equivalent to: 0..n










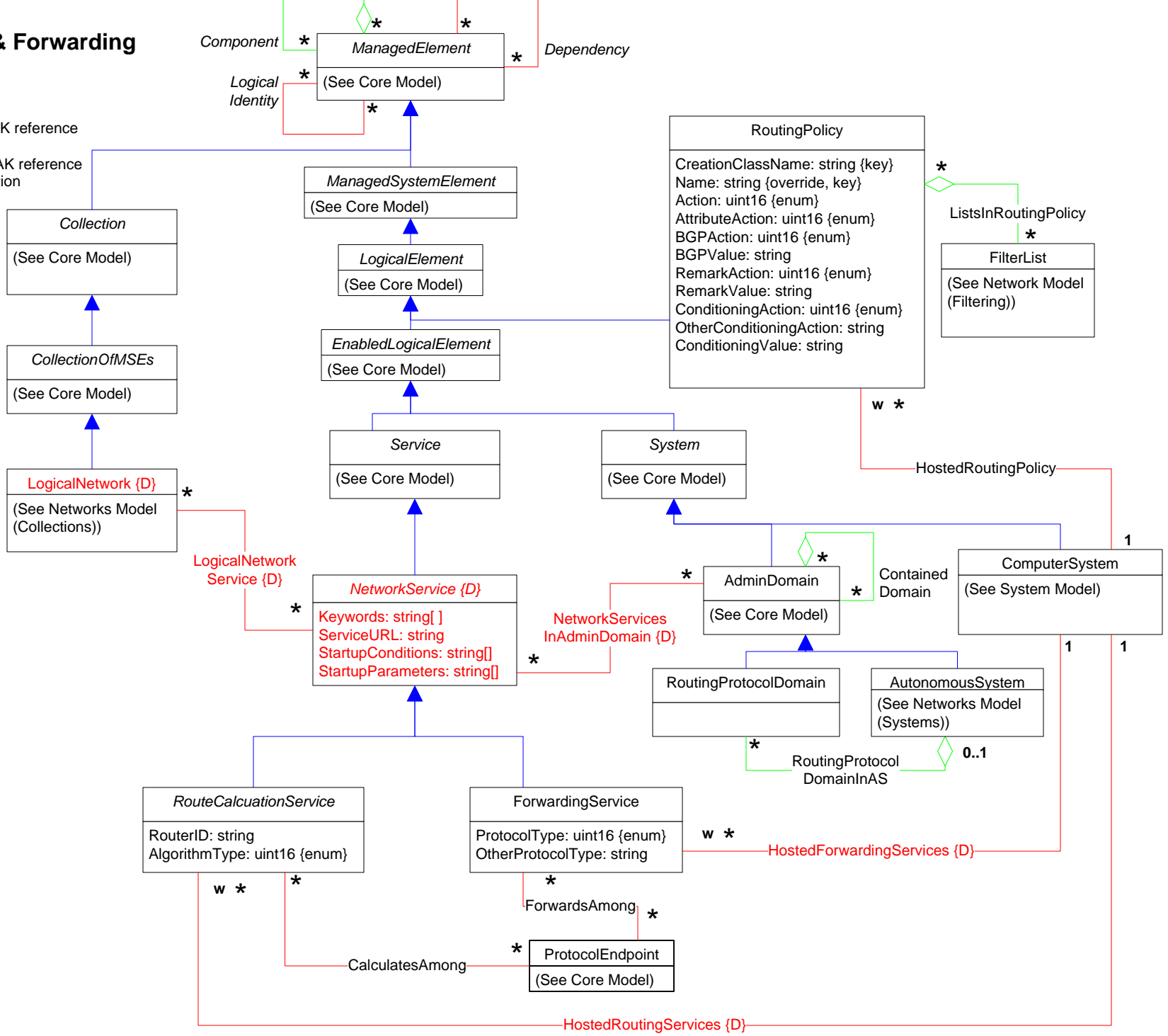
# Page 6 of 45: Protocol Endpoint(2)



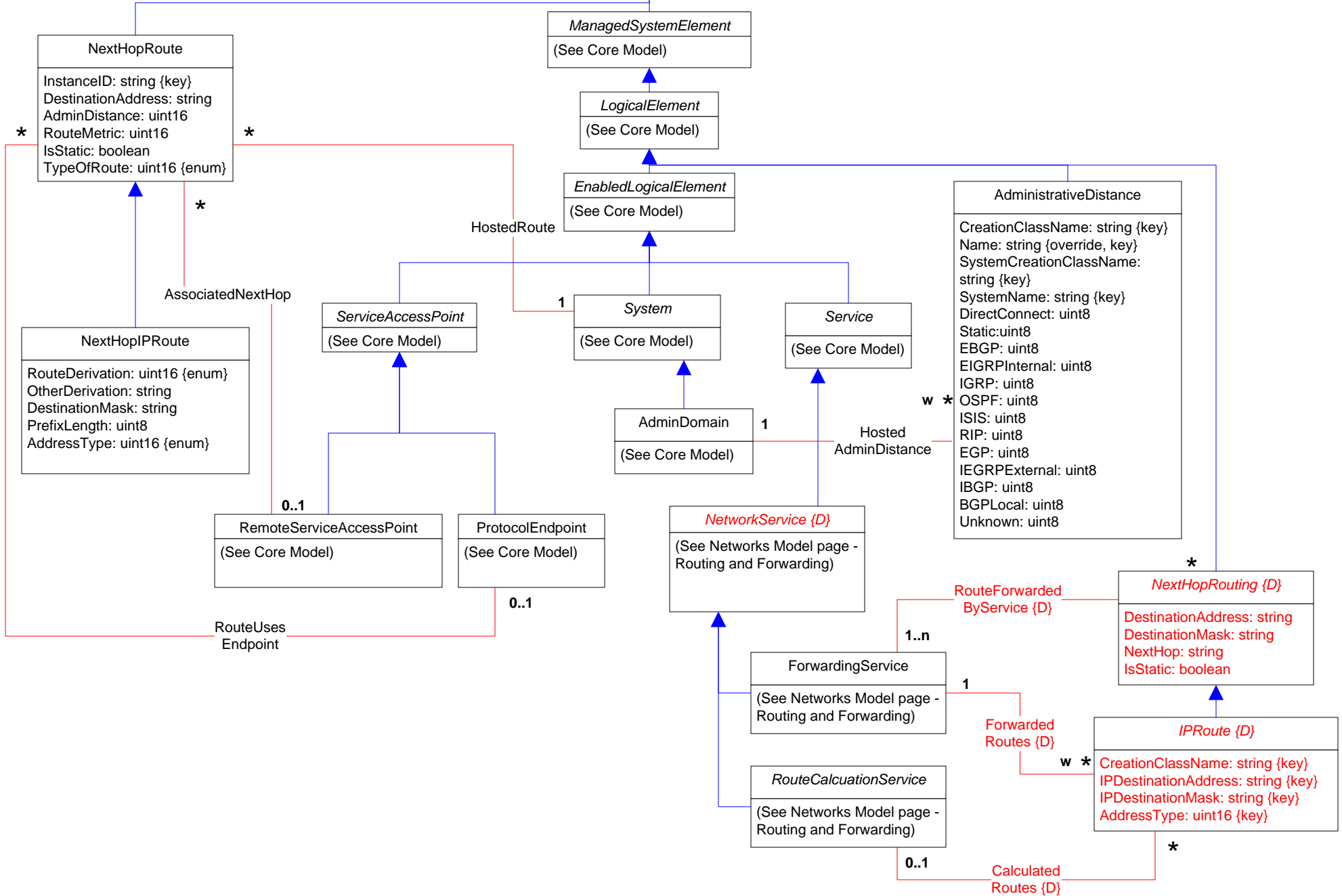
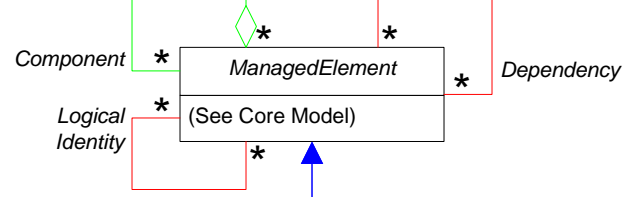



# Page 8 of 45: Routing & Forwarding

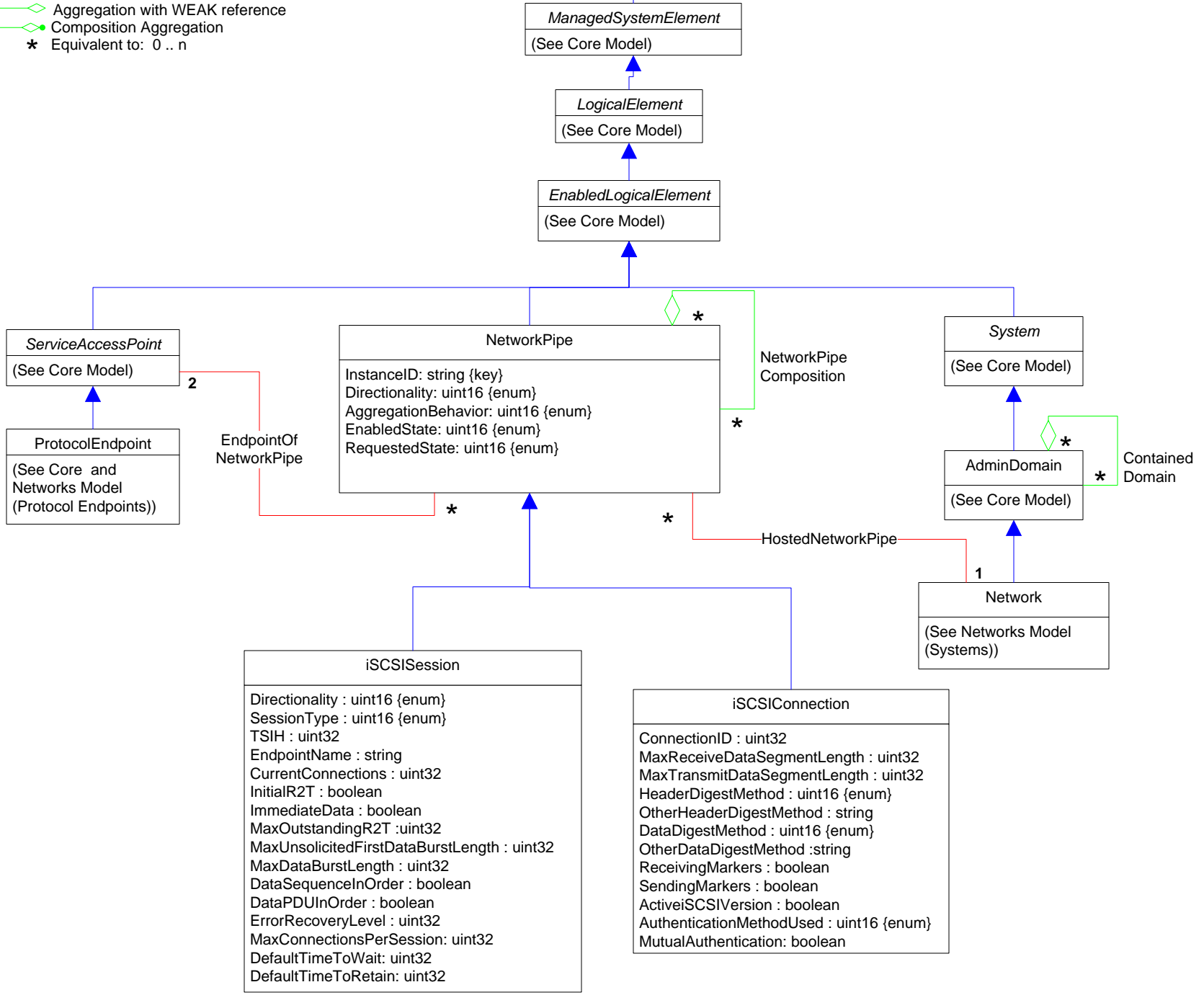
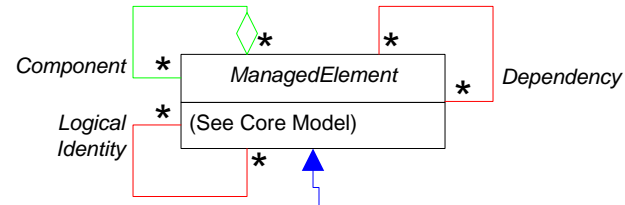
-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0..n










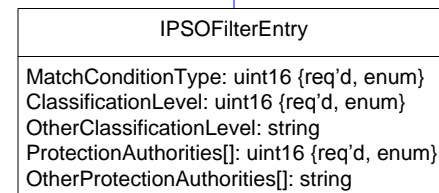
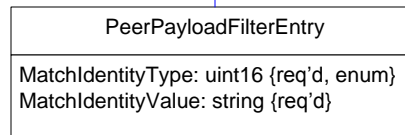
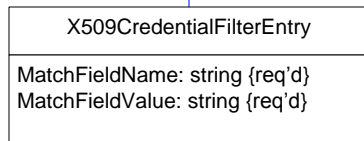
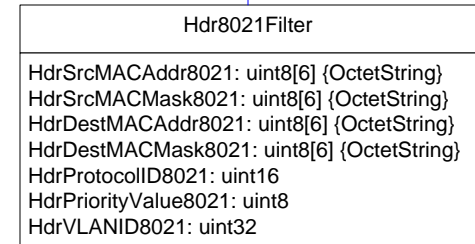
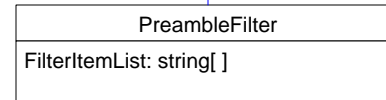
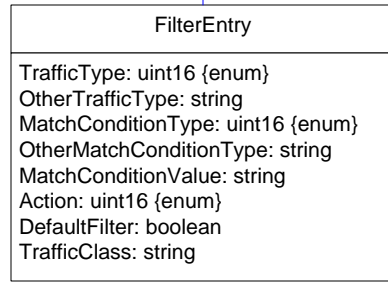
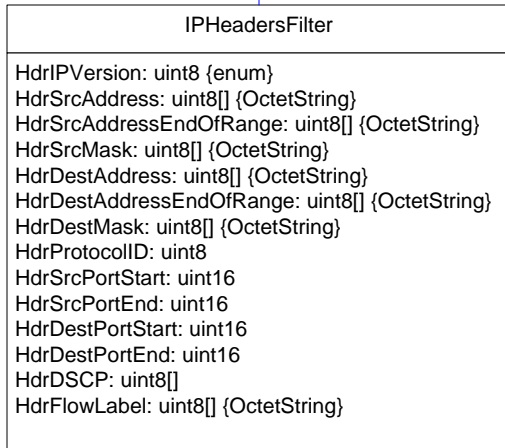
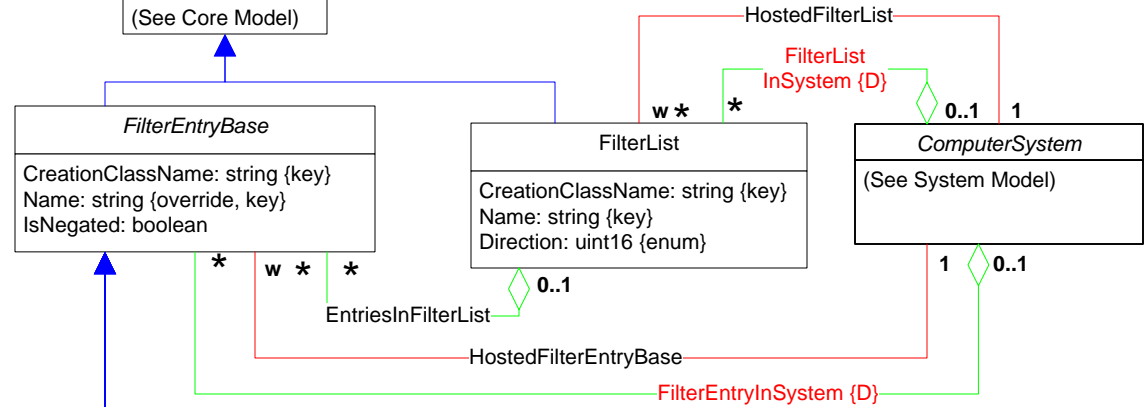
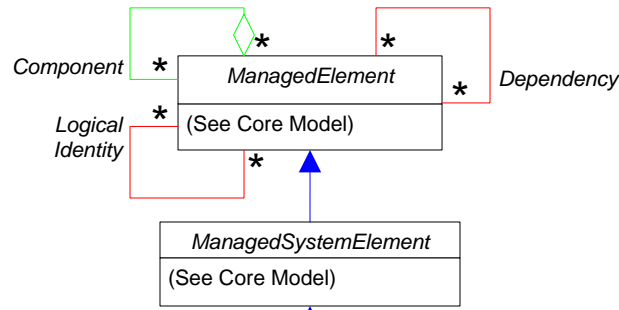











-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0 .. n

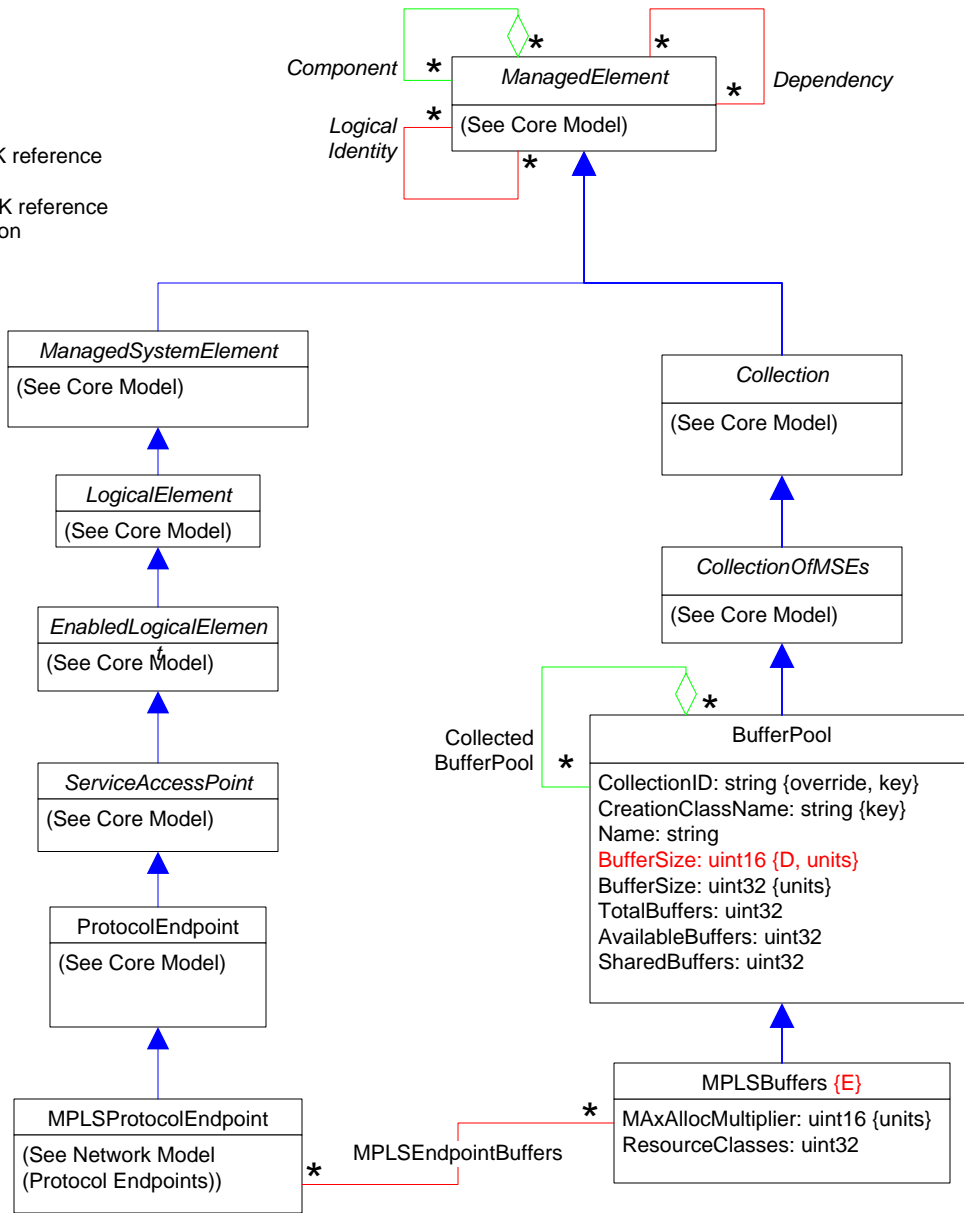


-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0..n










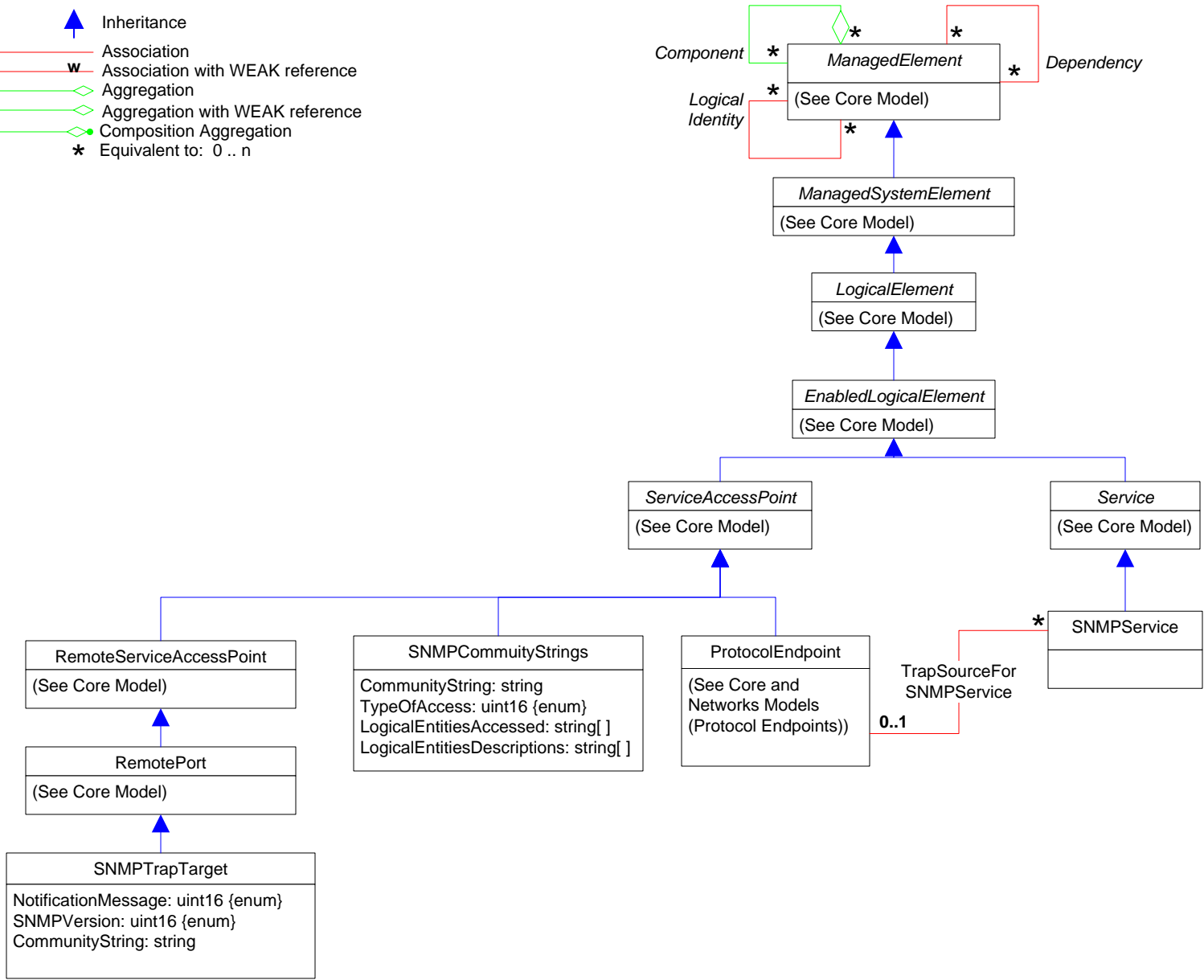
# Page 12 of 45: Buffers








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

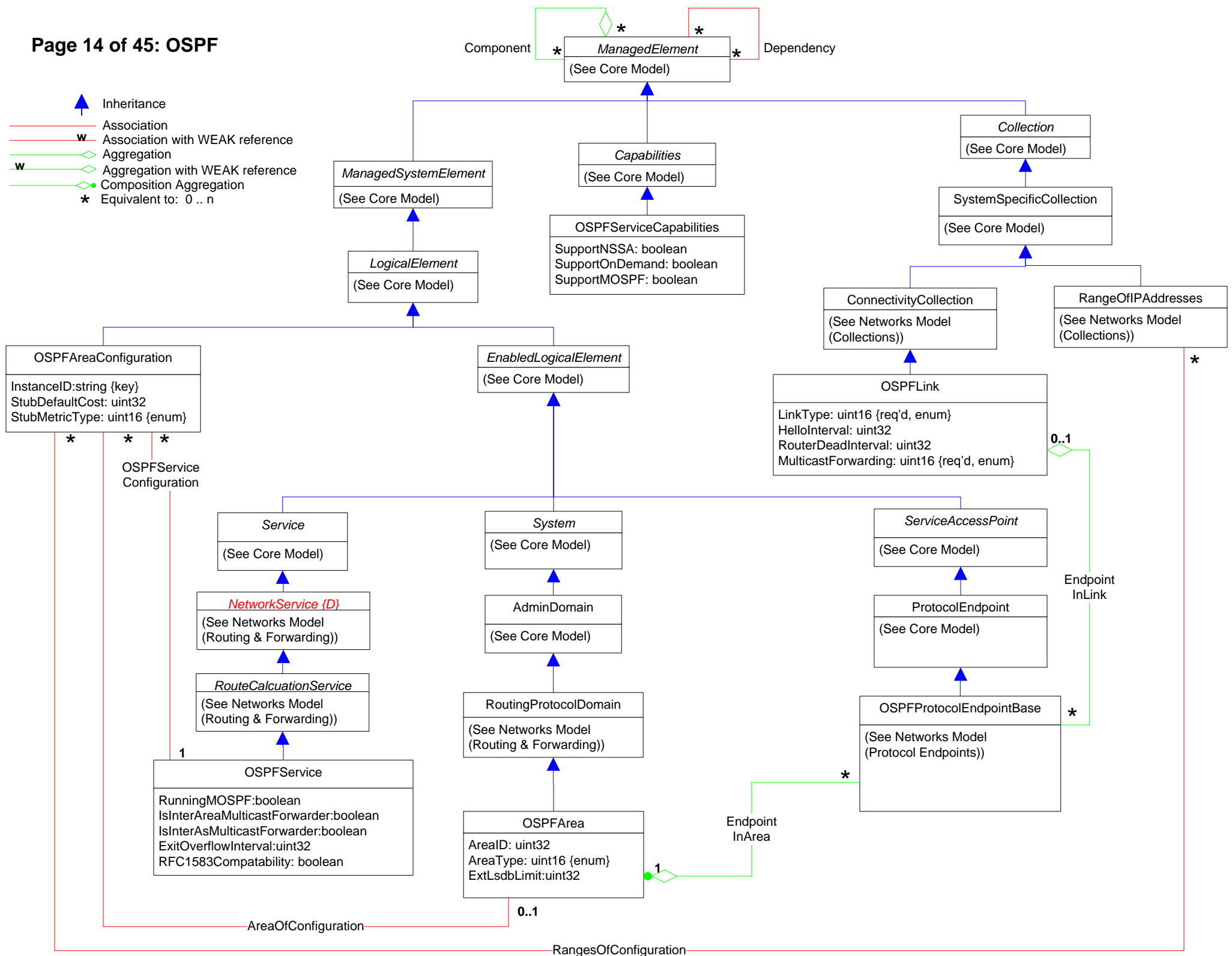


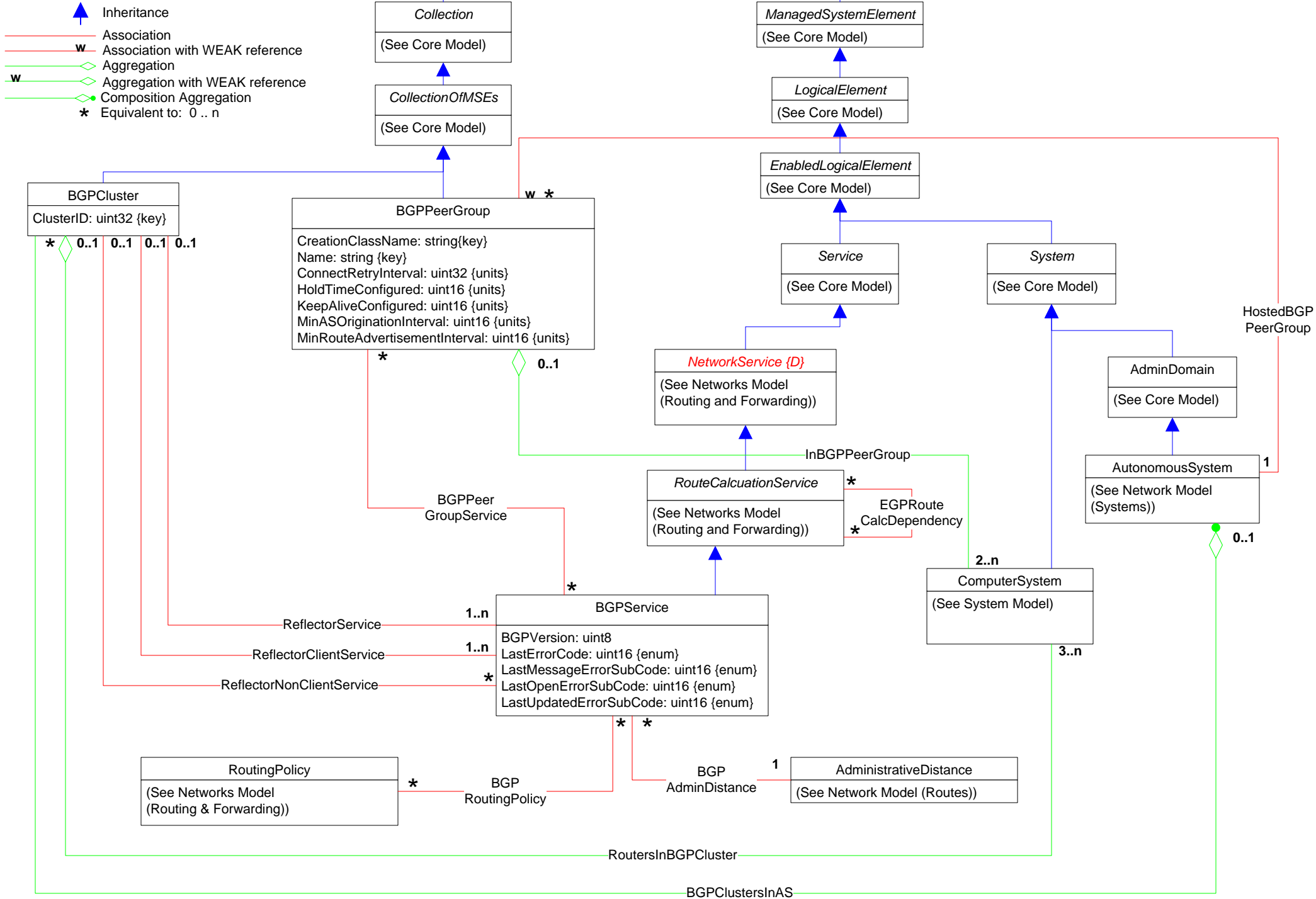
# Page 13 of 45: SNMP

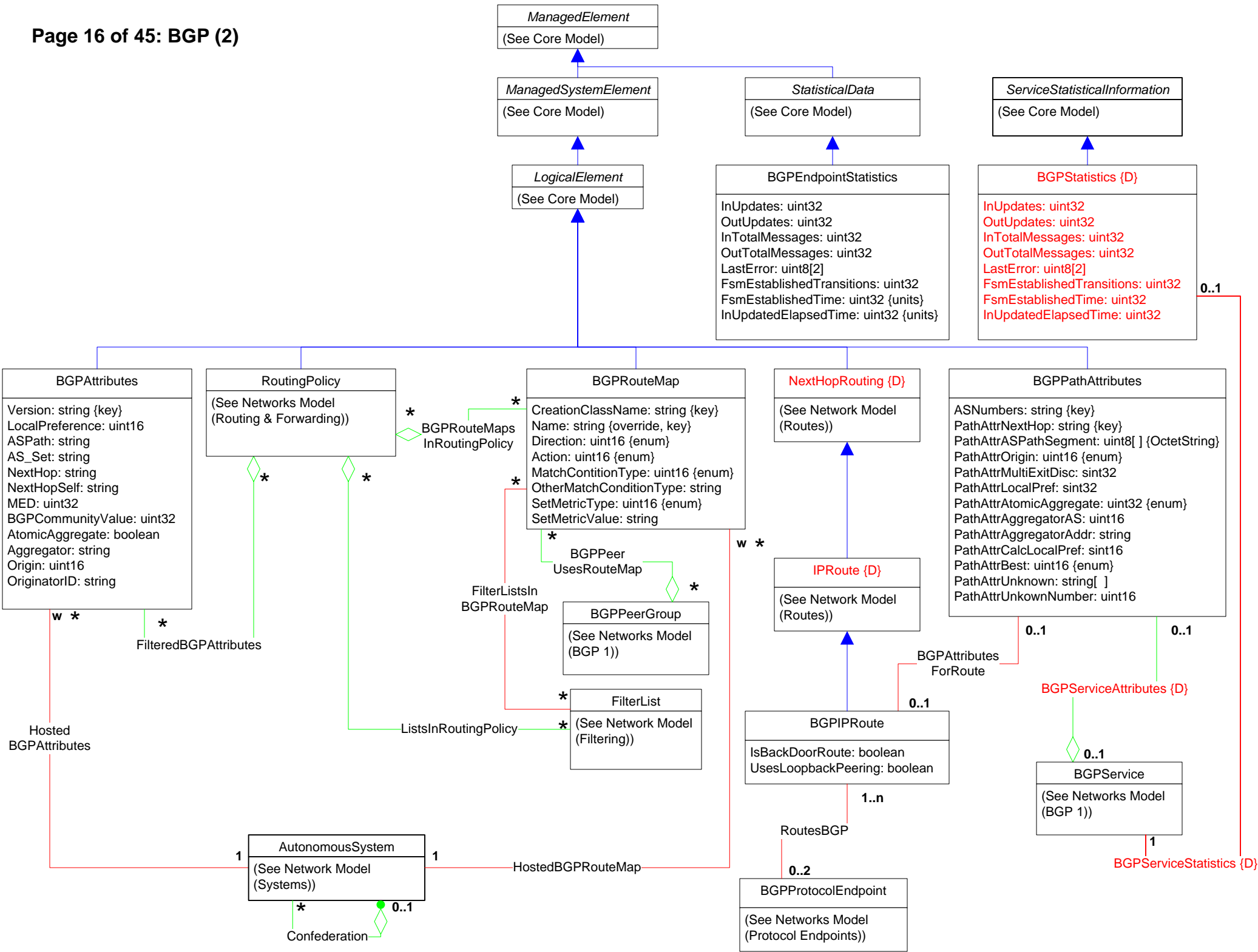
-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0..n



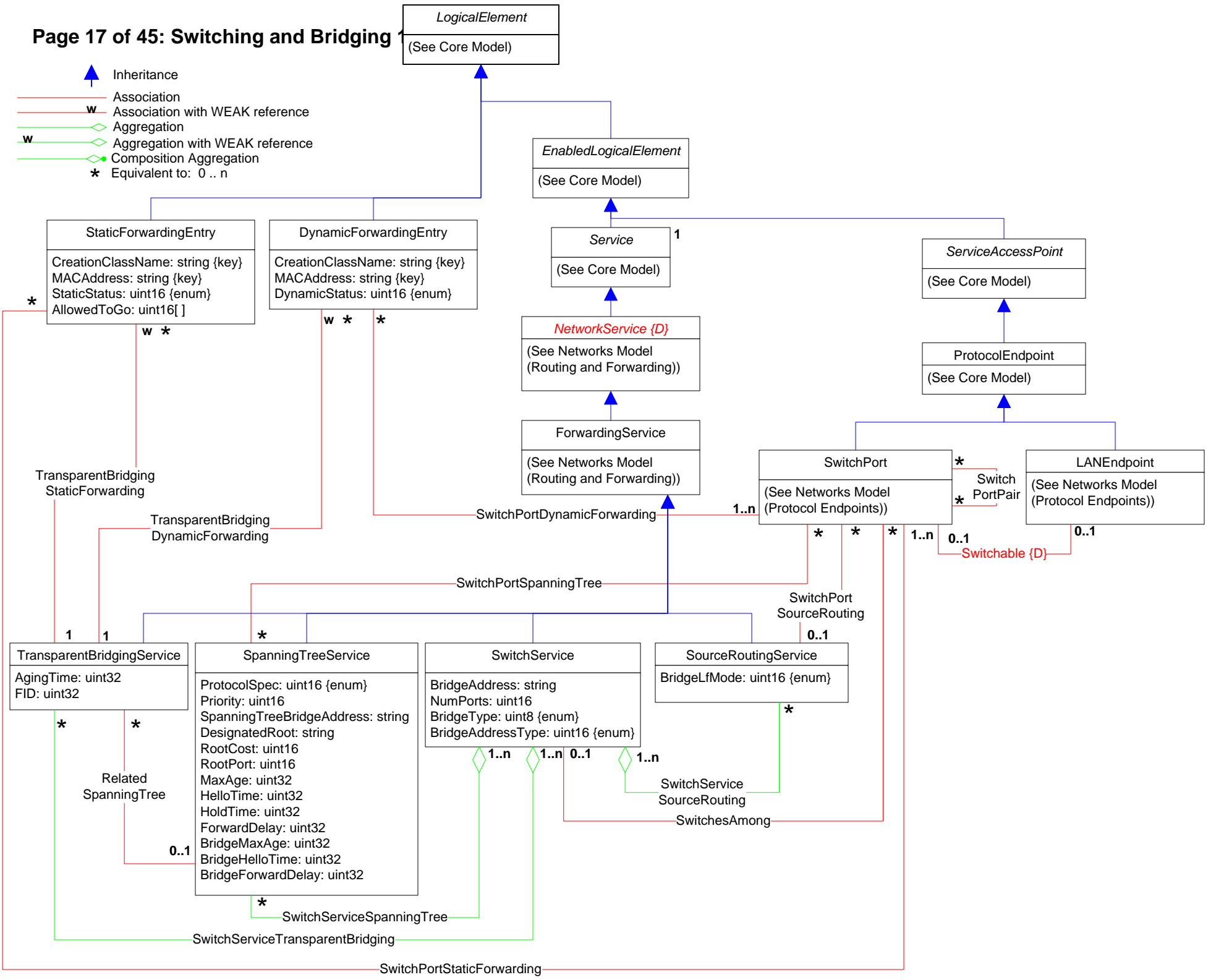
-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0 .. n

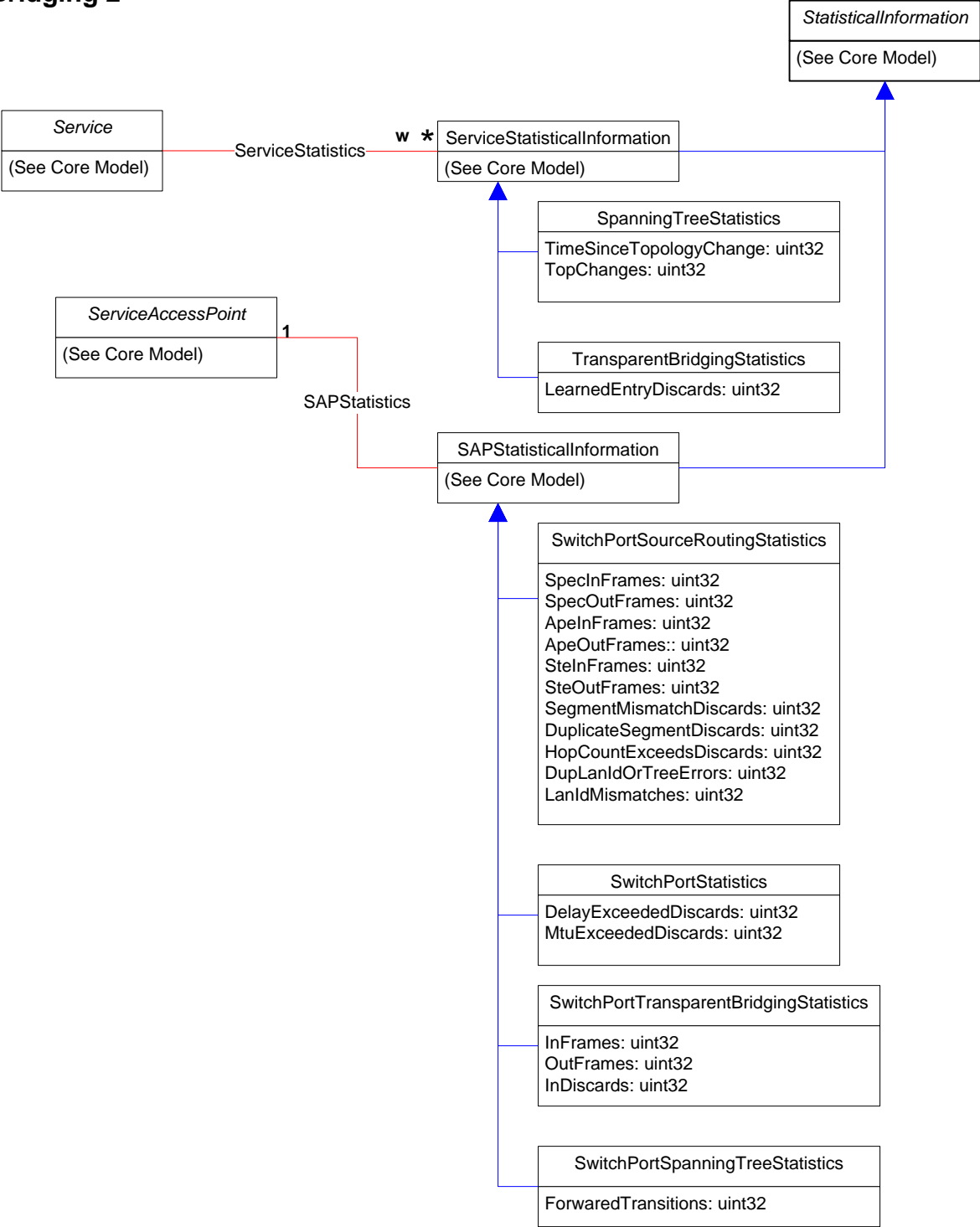













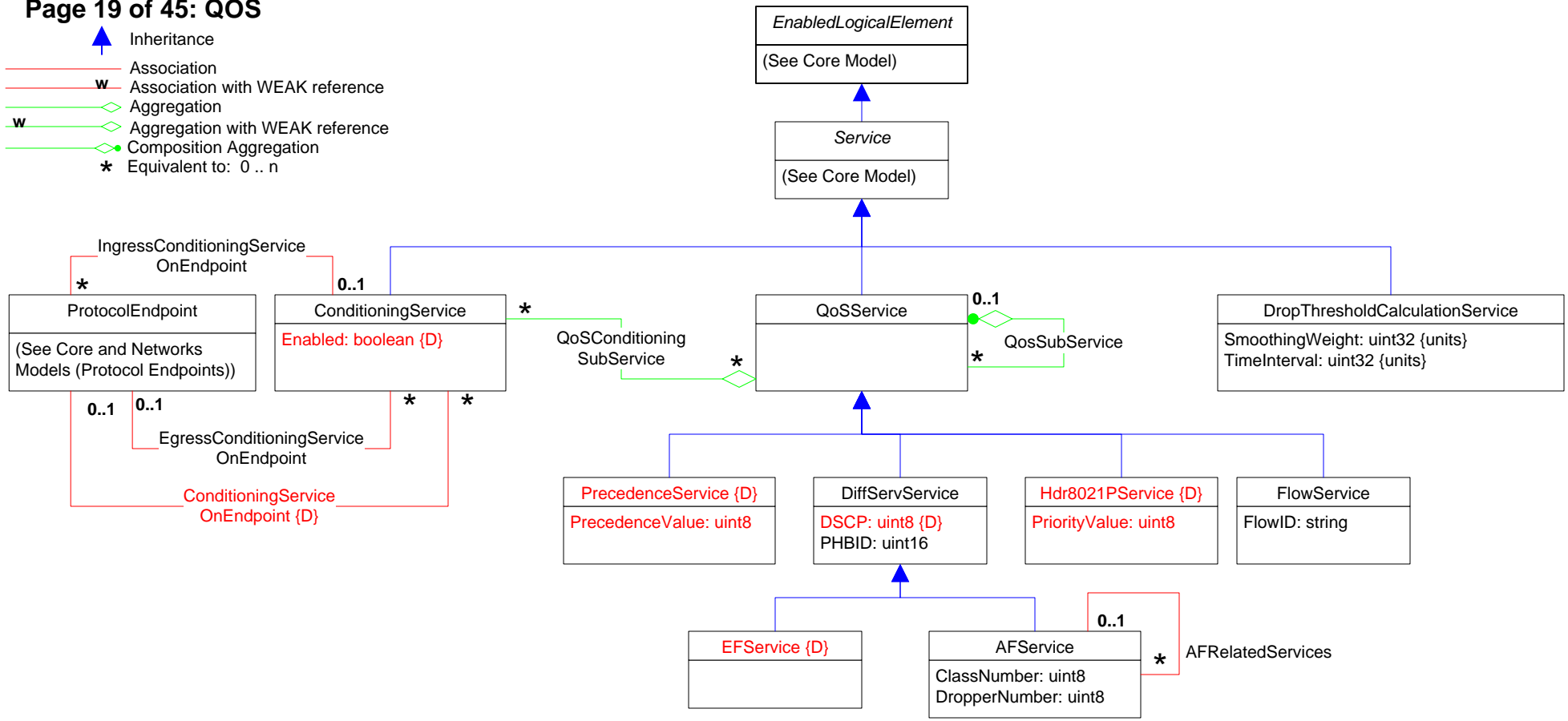


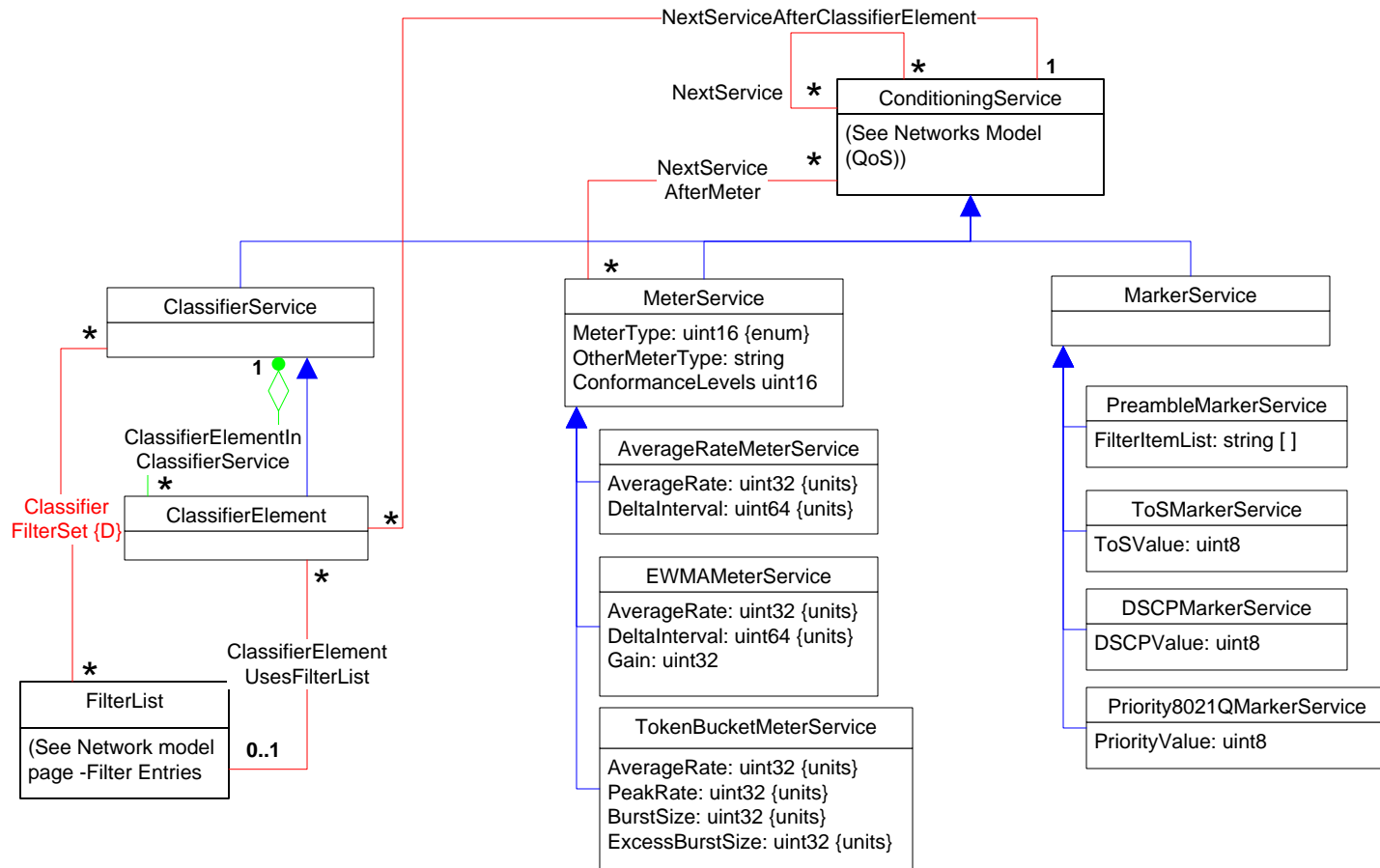
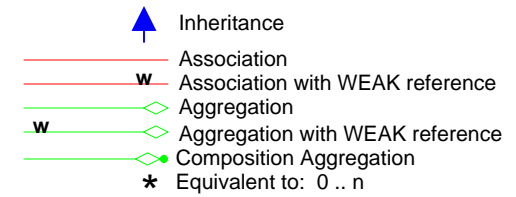


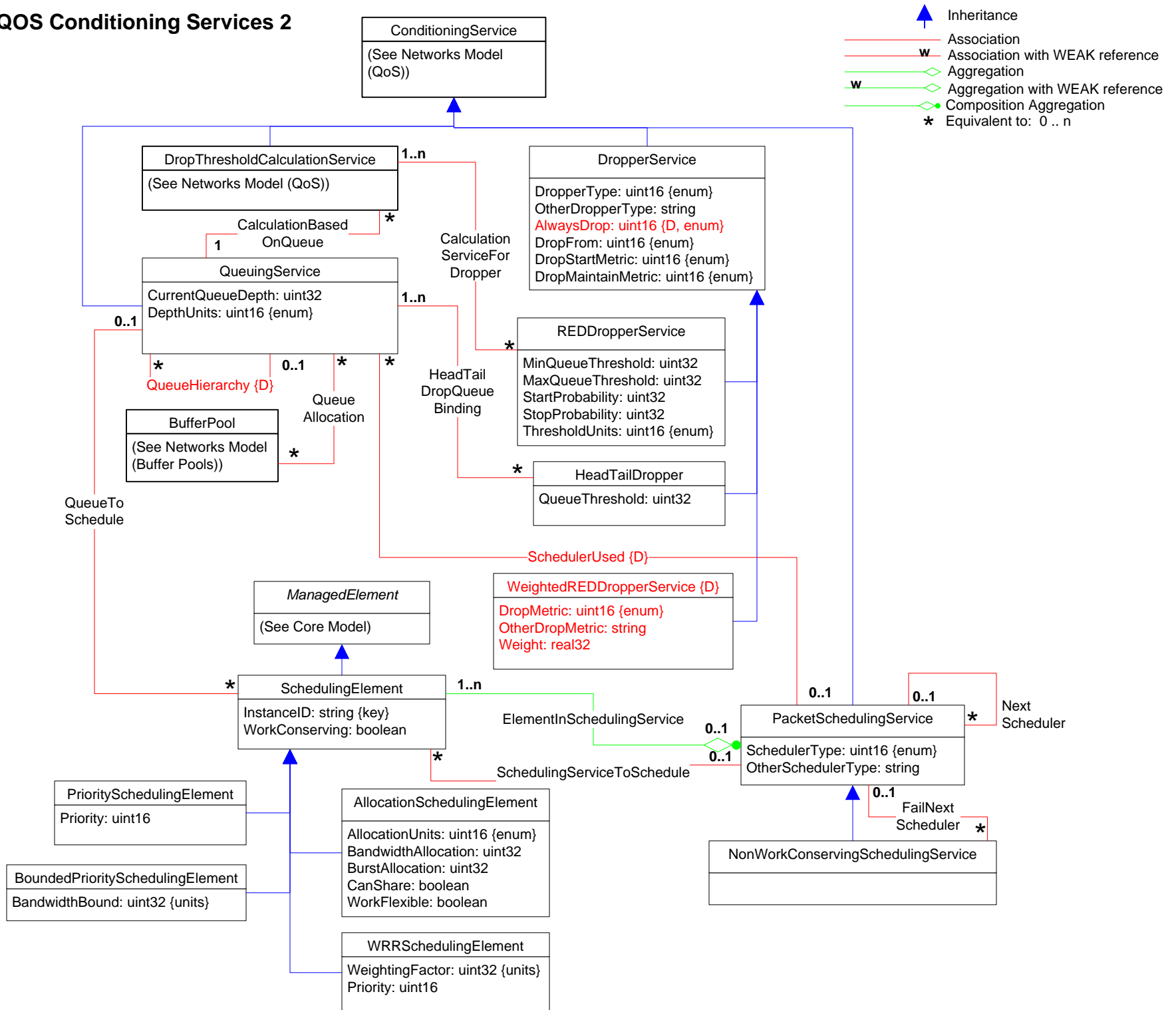


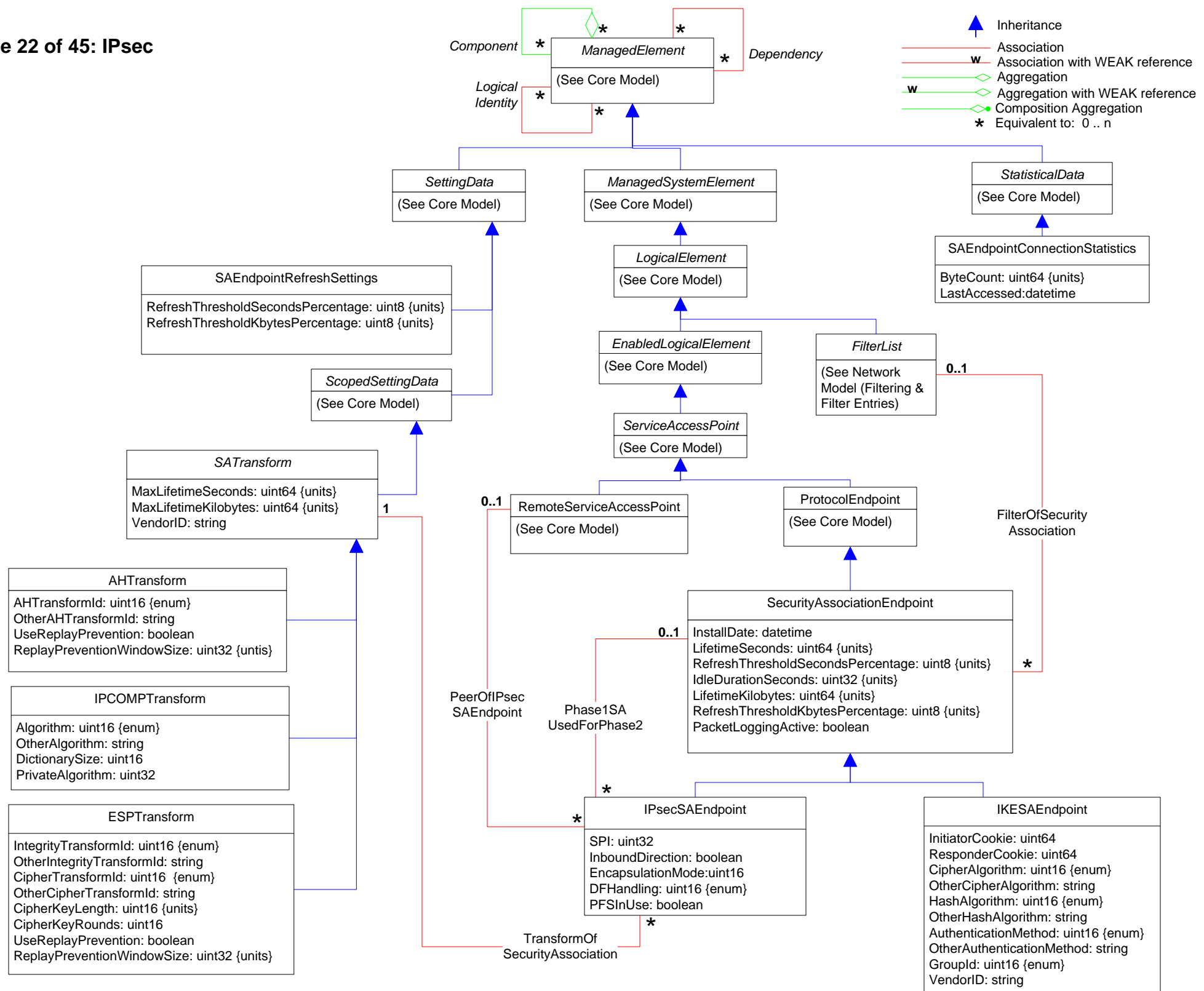
Page 19 of 45: QOS

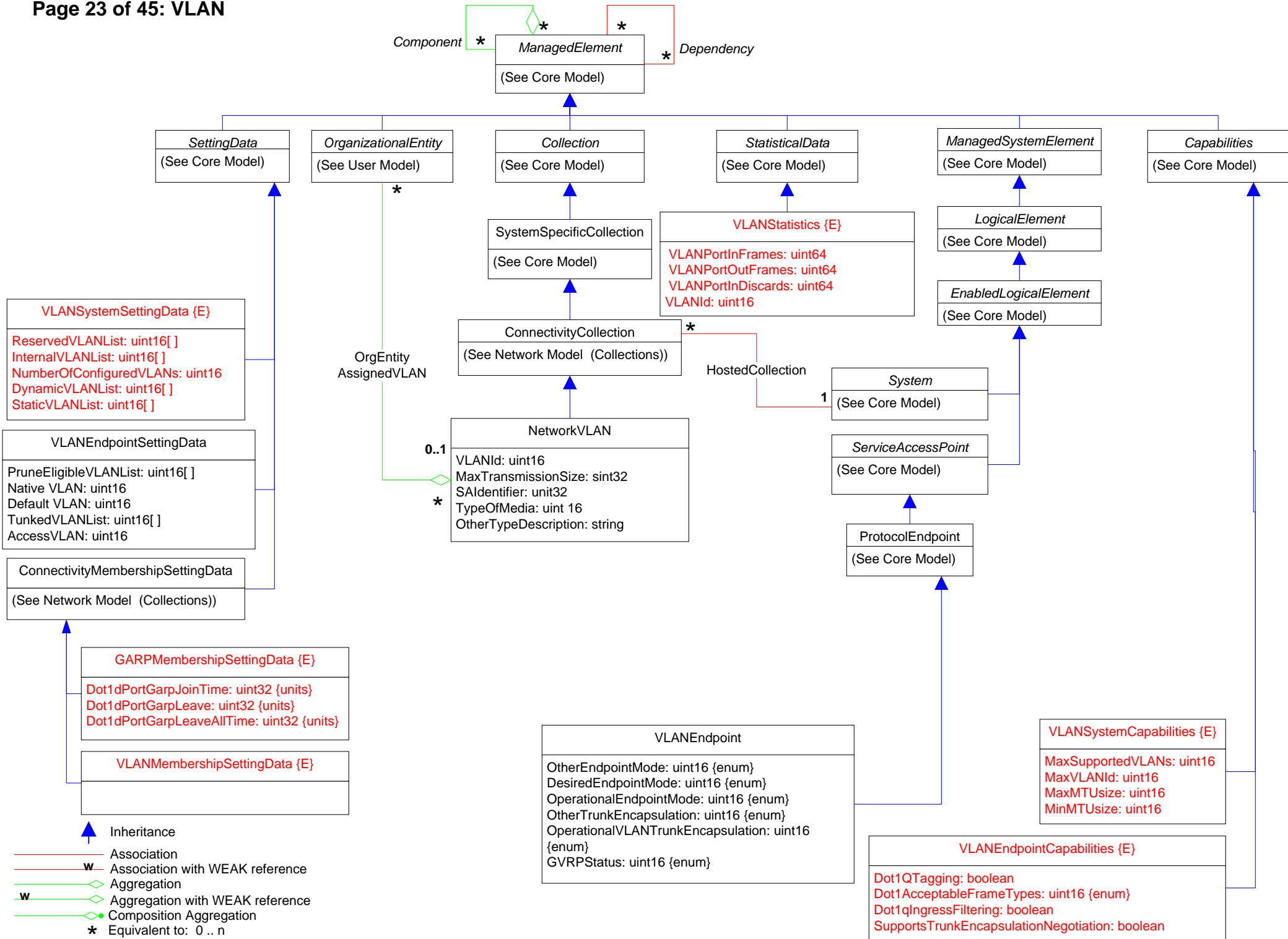
-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0..n



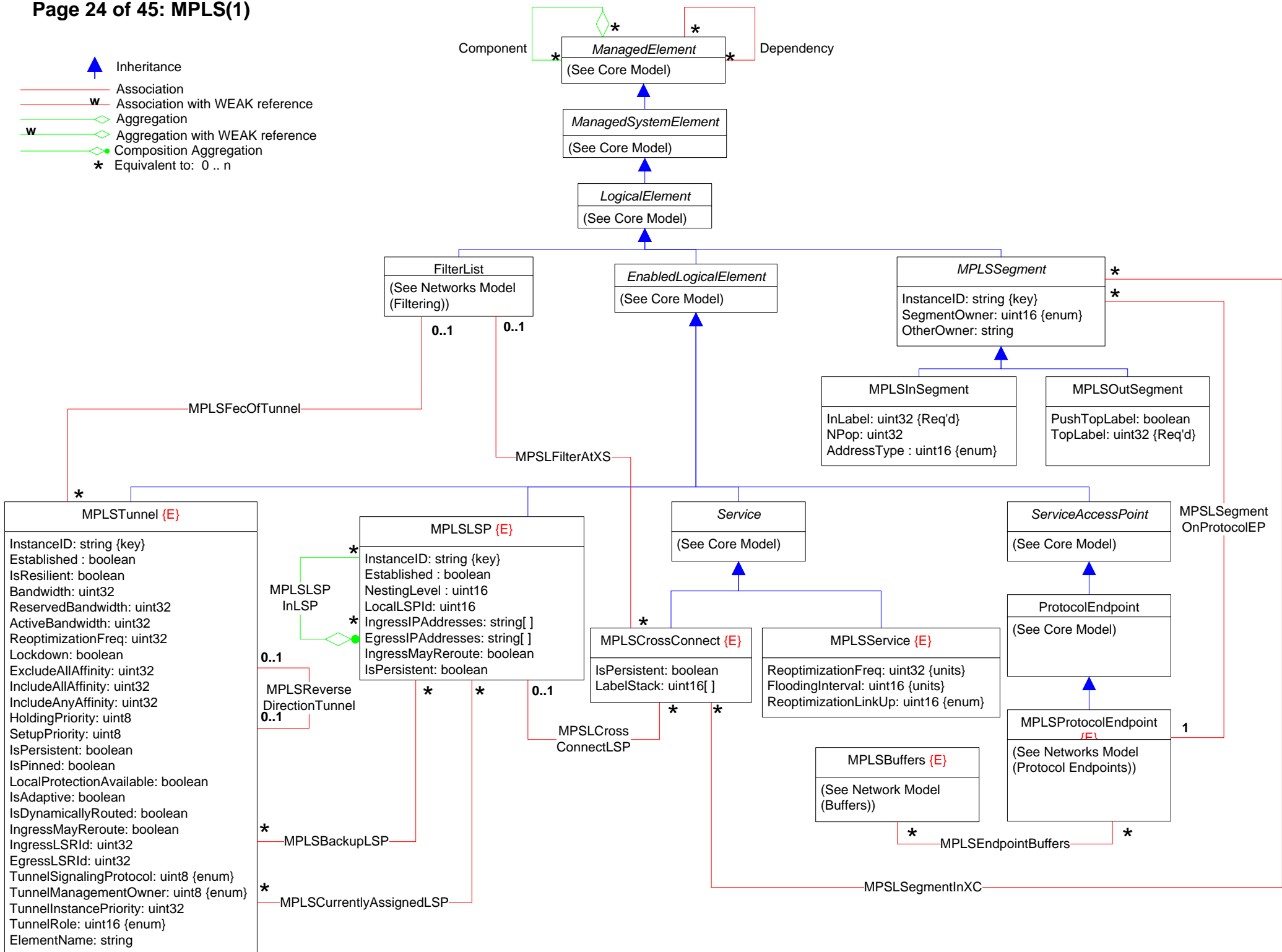




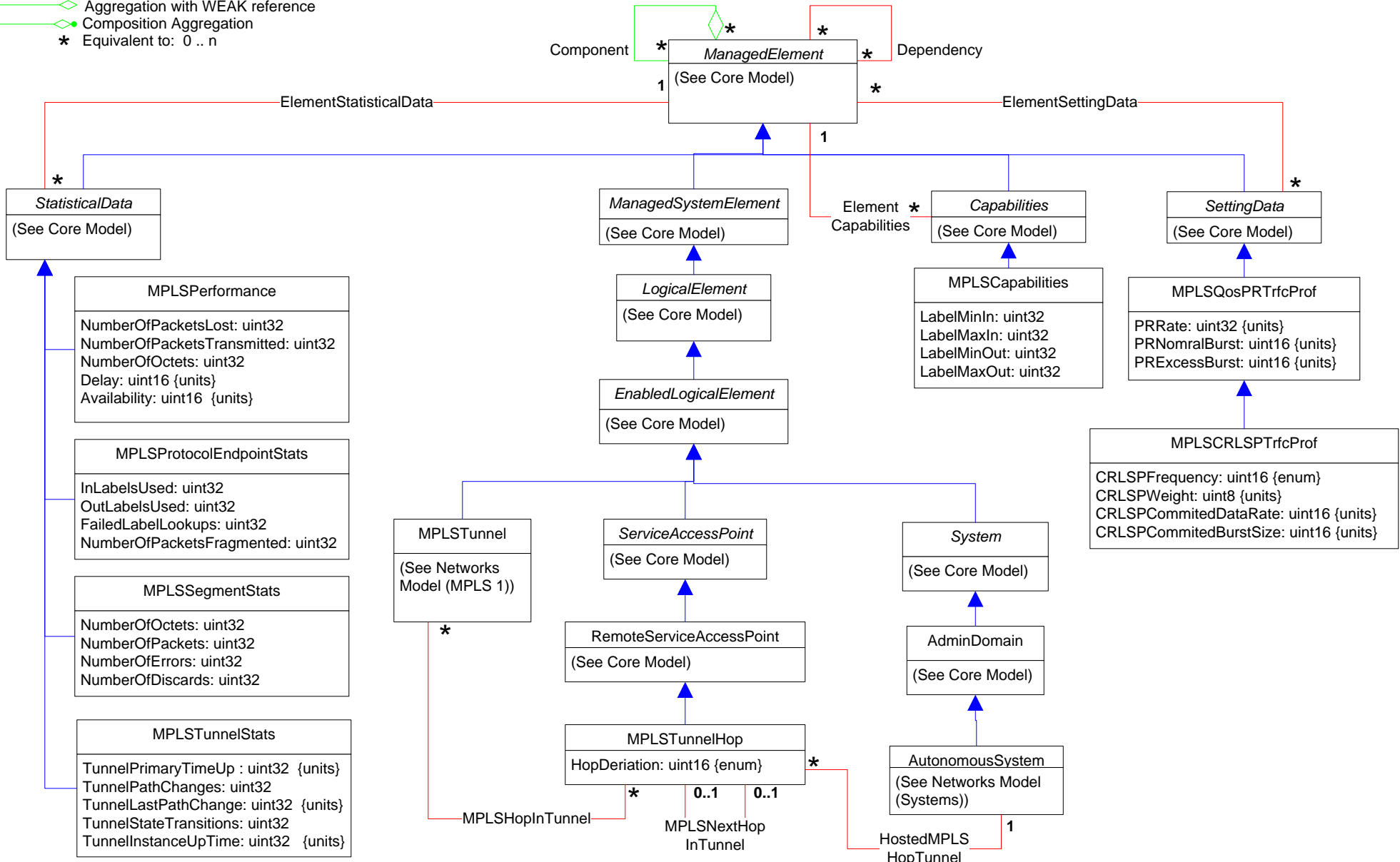
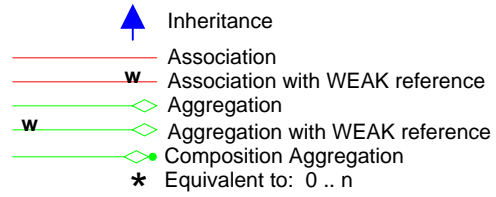











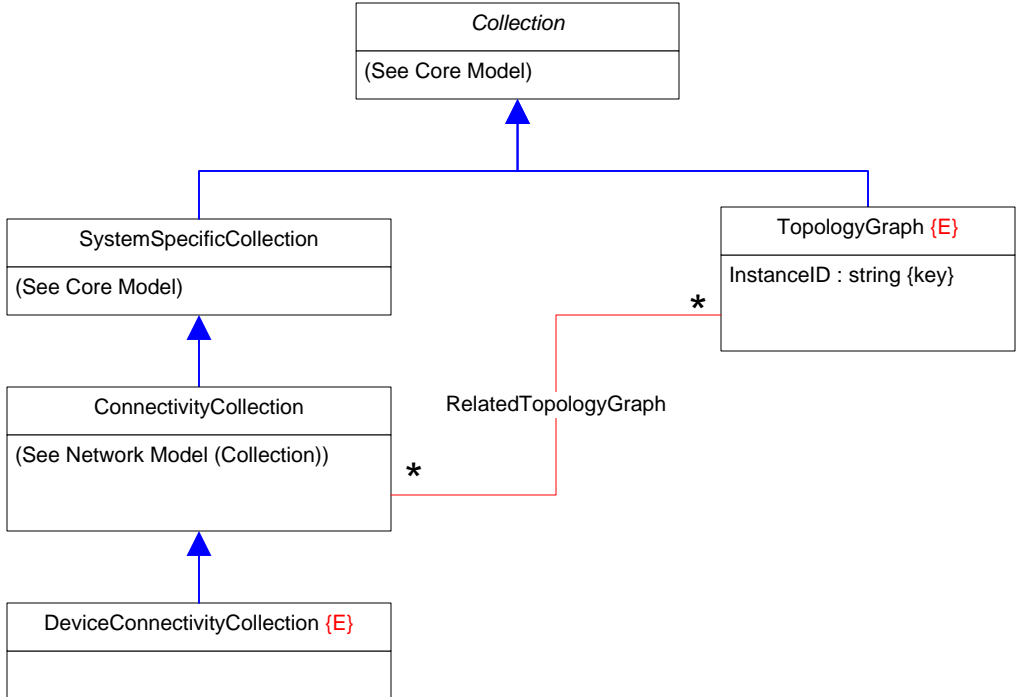
- Inheritance
- Association
- Association with WEAK reference
- Aggregation
- Aggregation with WEAK reference
- Composition Aggregation
- Equivalent to: 0 .. n

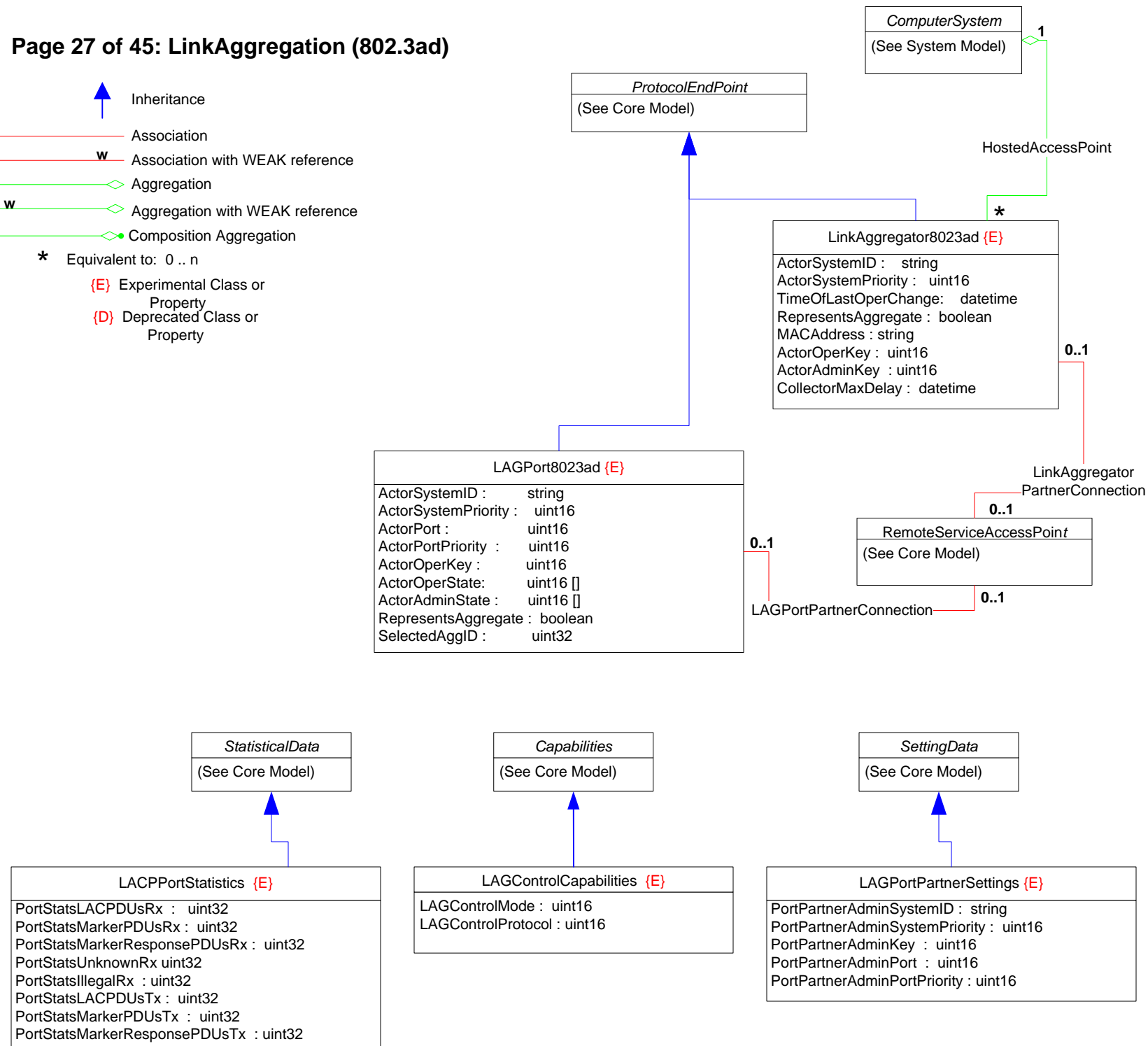
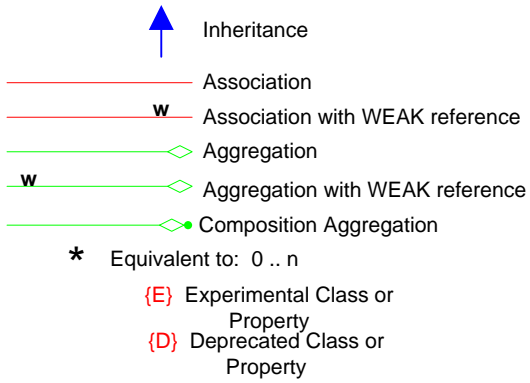




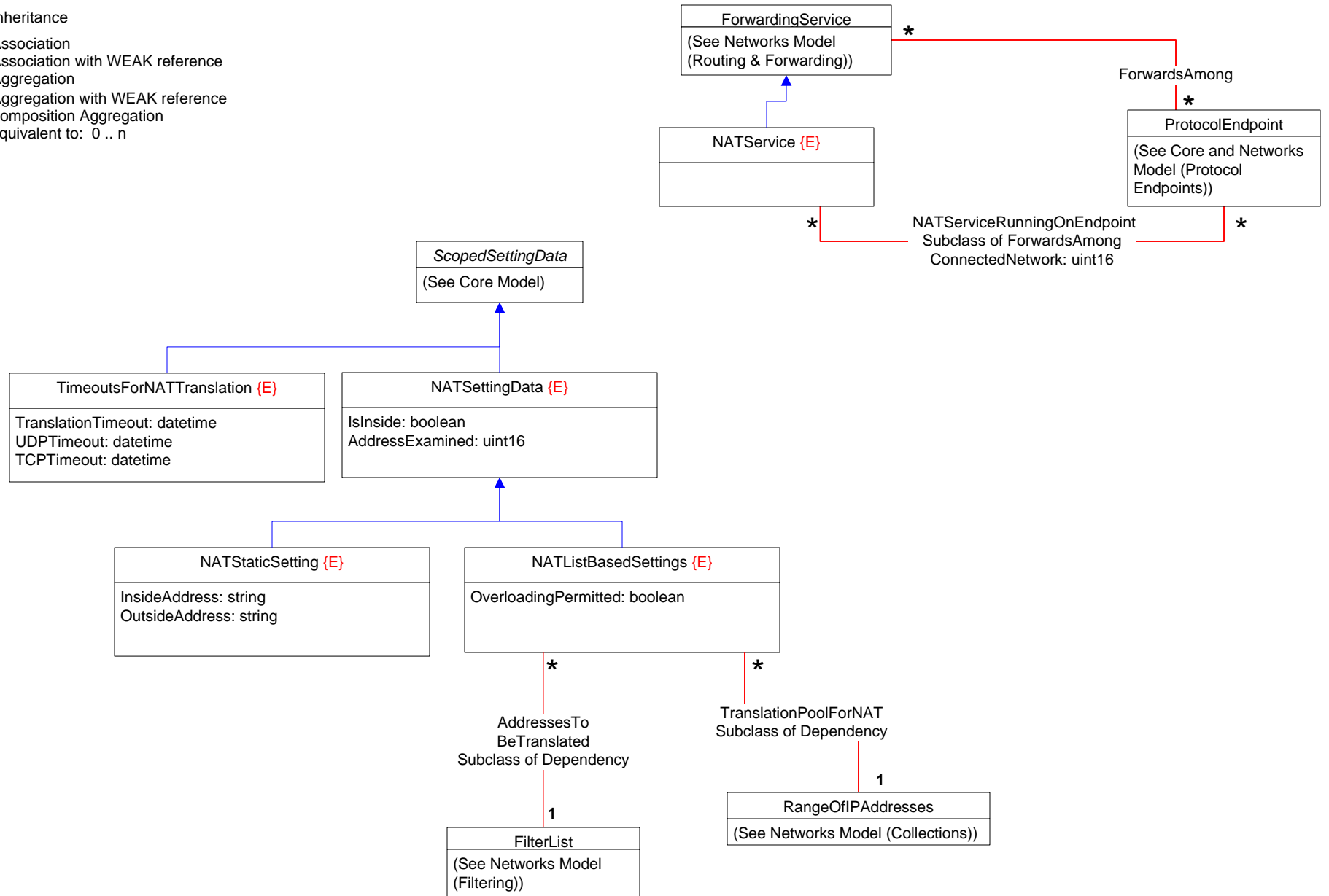
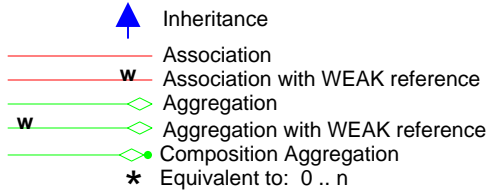


-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0 .. n

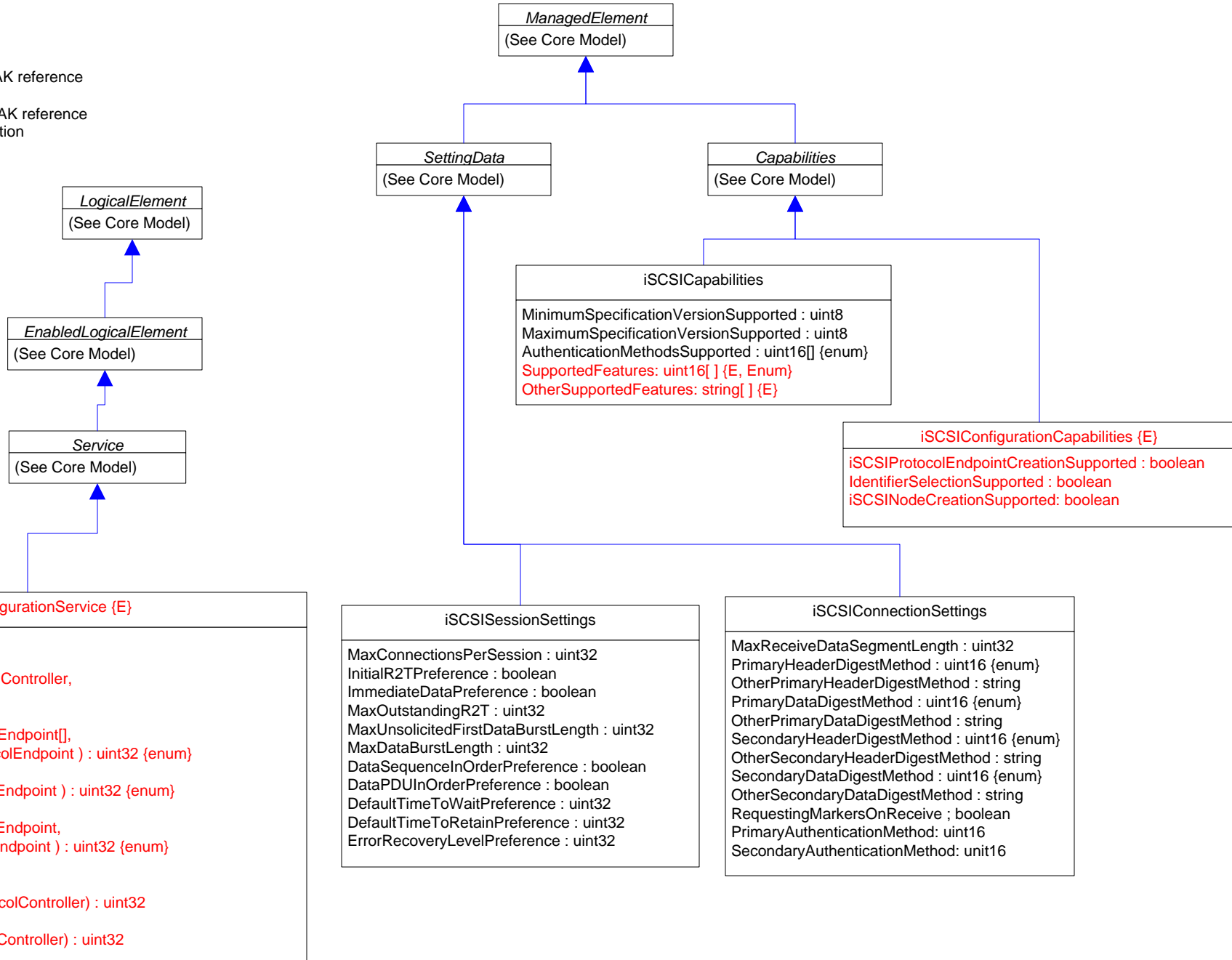











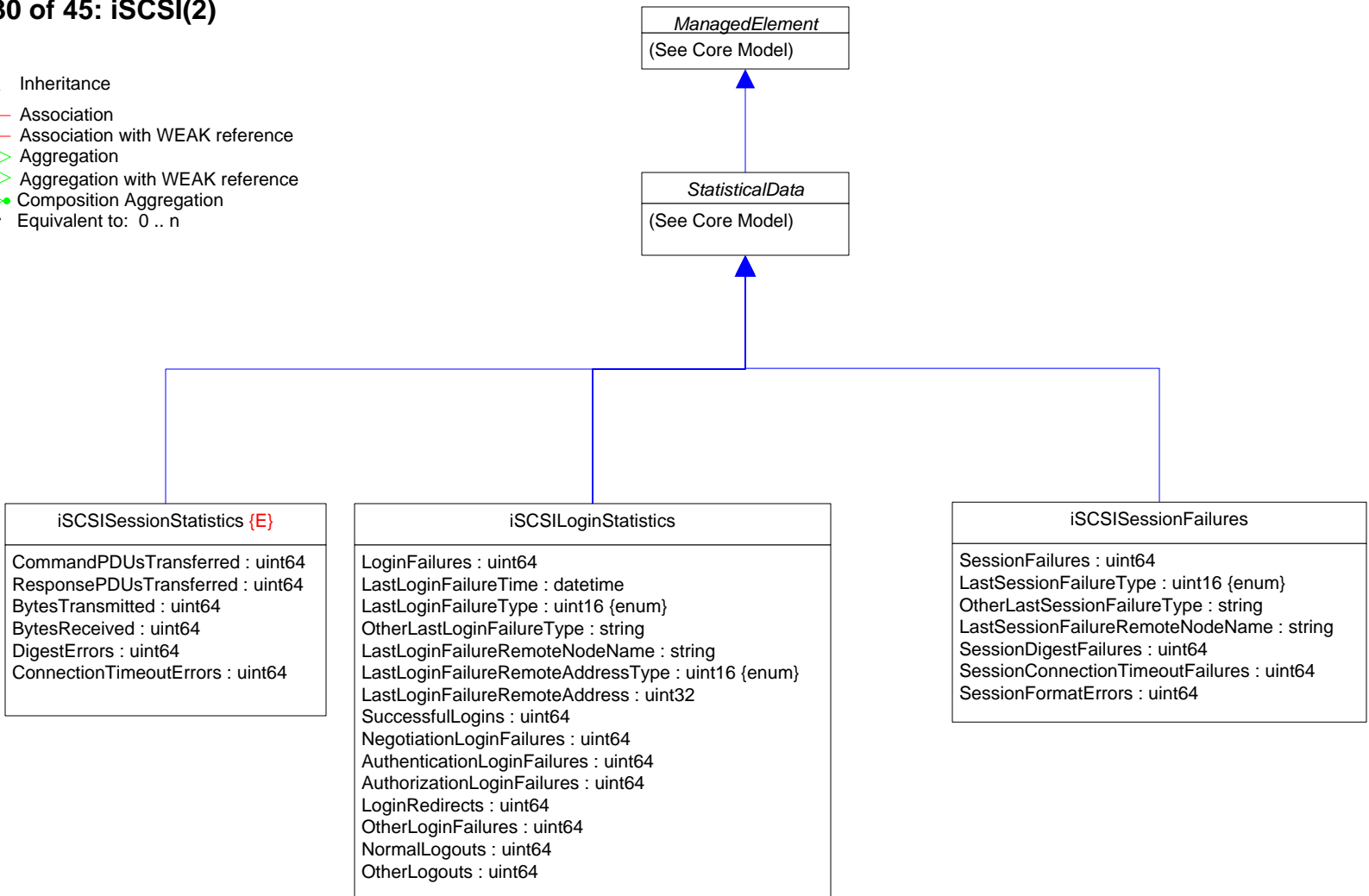
## Page 25 : Network Address Translation (NAT)










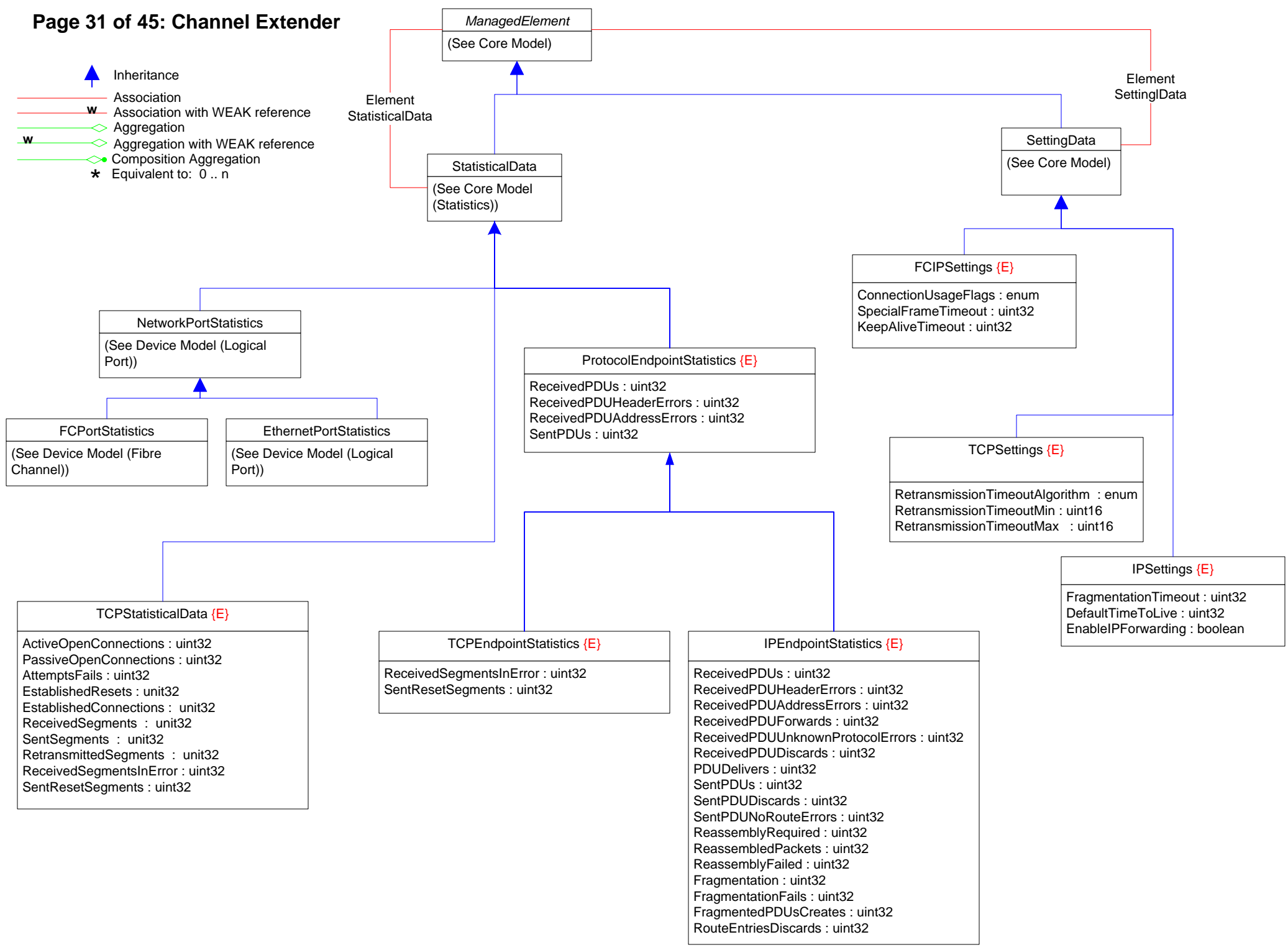
- Inheritance
- Association
- Association with WEAK reference
- Aggregation
- Aggregation with WEAK reference
- Composition Aggregation
- Equivalent to: 0 .. n

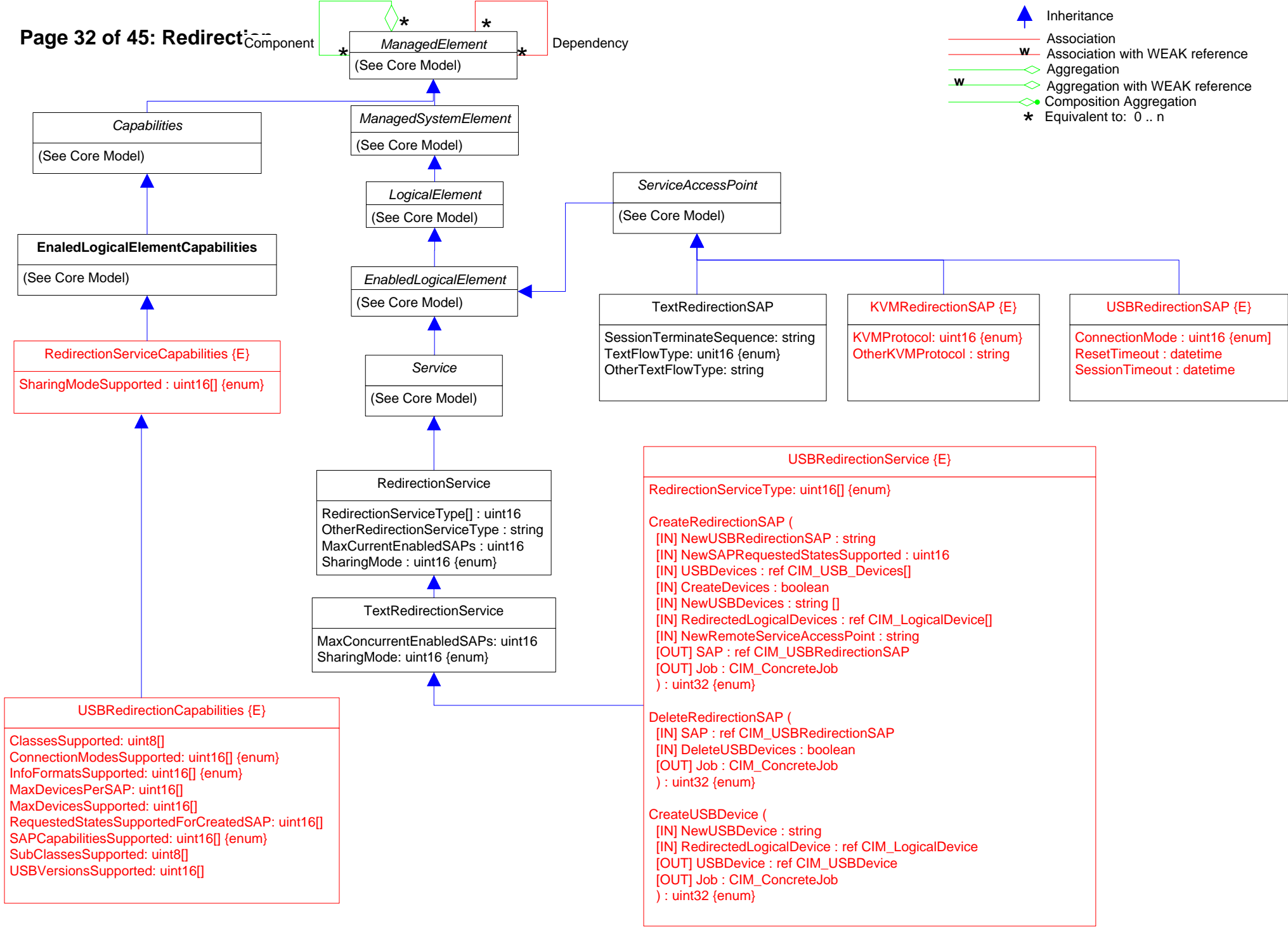


-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0 .. n

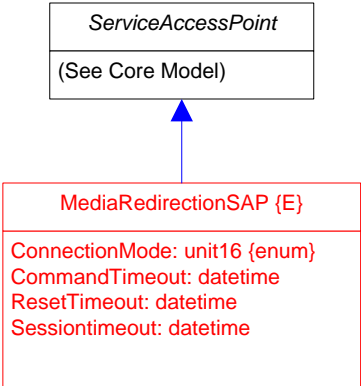
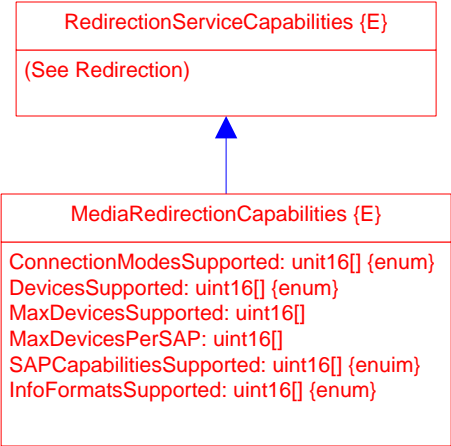
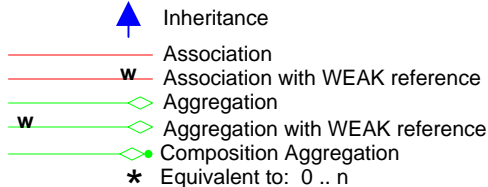









-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0 .. n

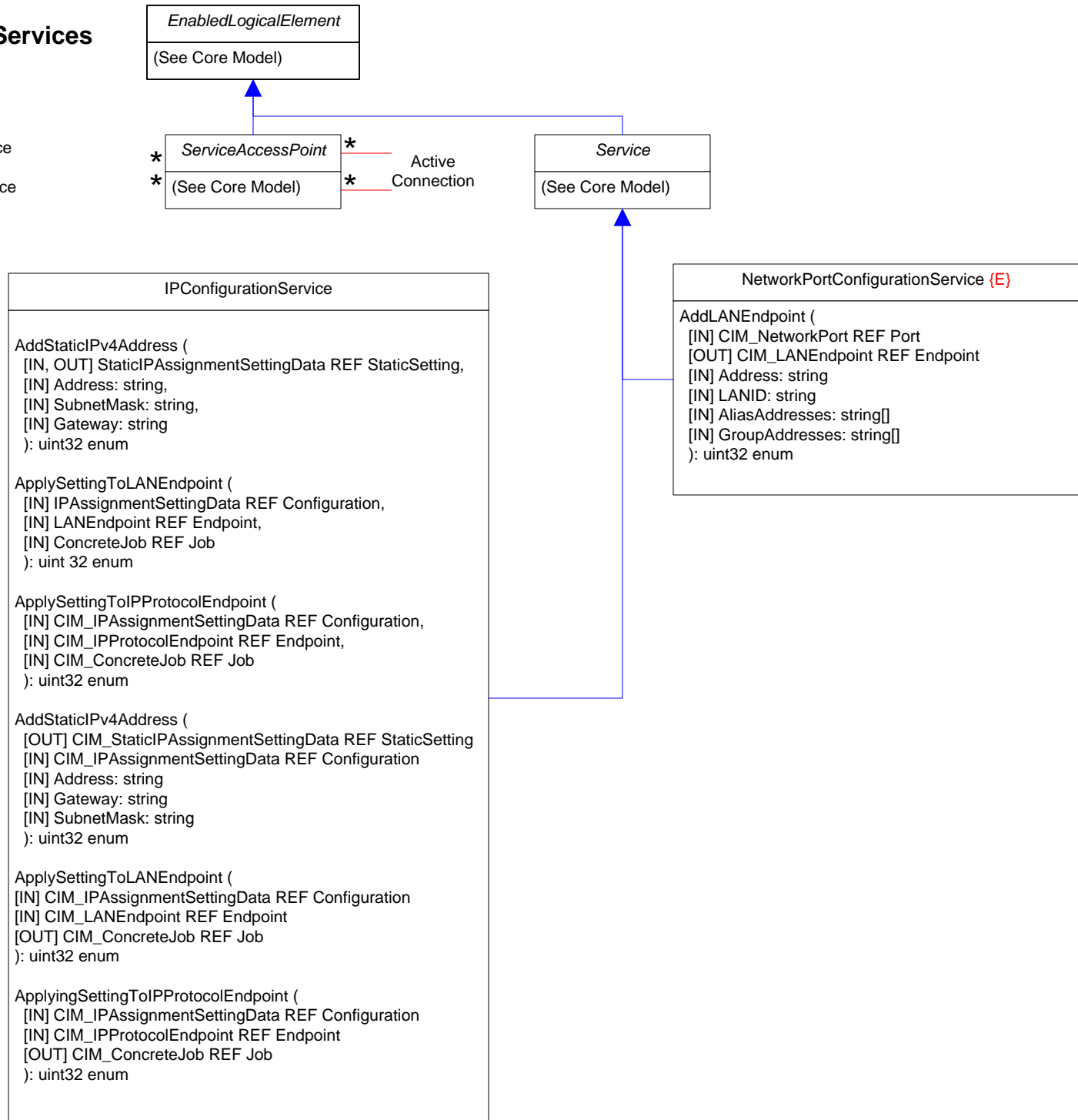


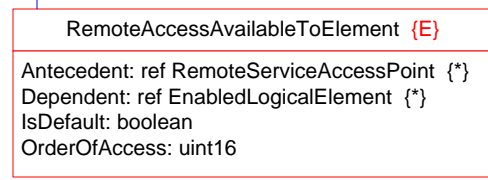
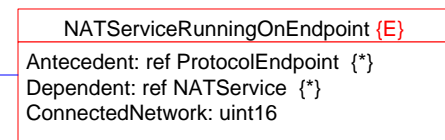
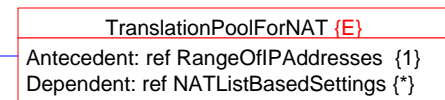
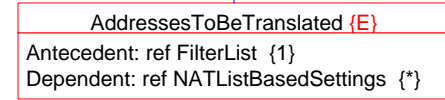
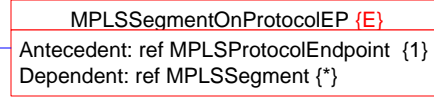
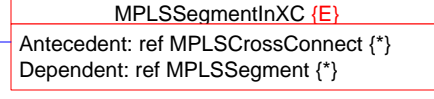
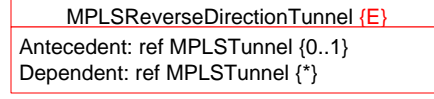
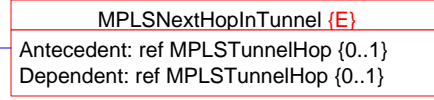
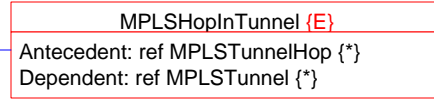
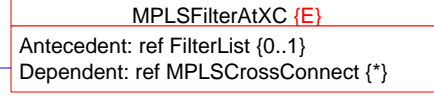
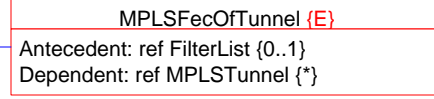
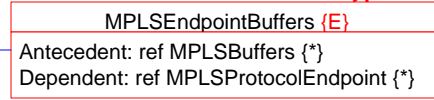
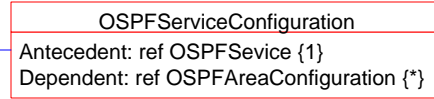
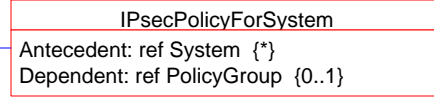
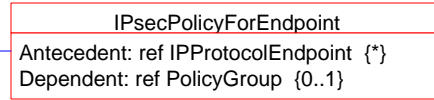
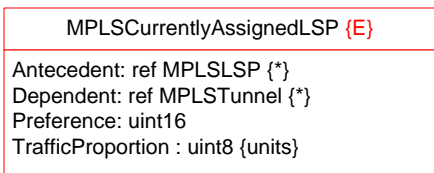
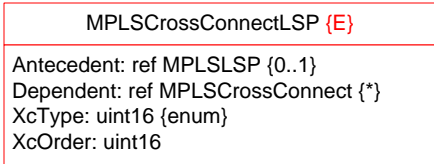
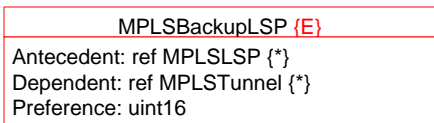
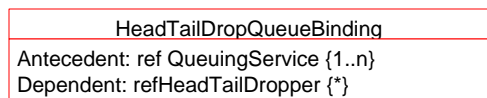
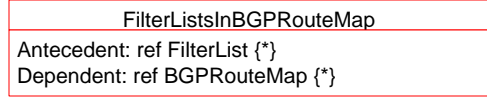
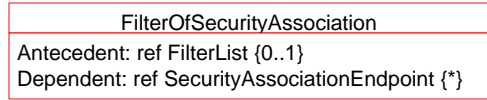
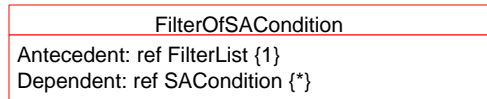
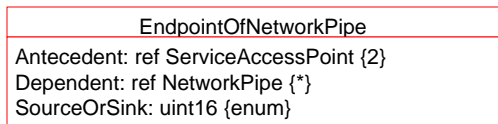
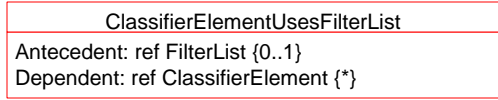
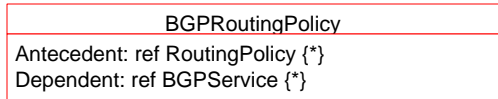
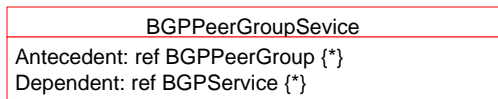
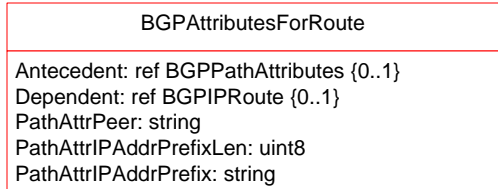
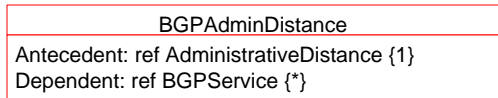
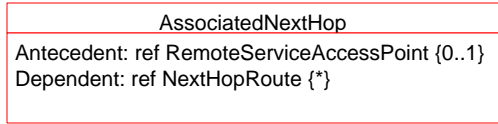
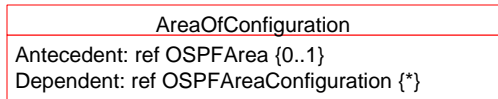
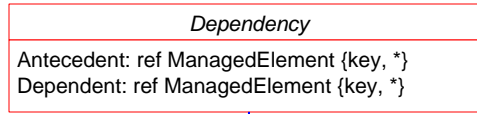


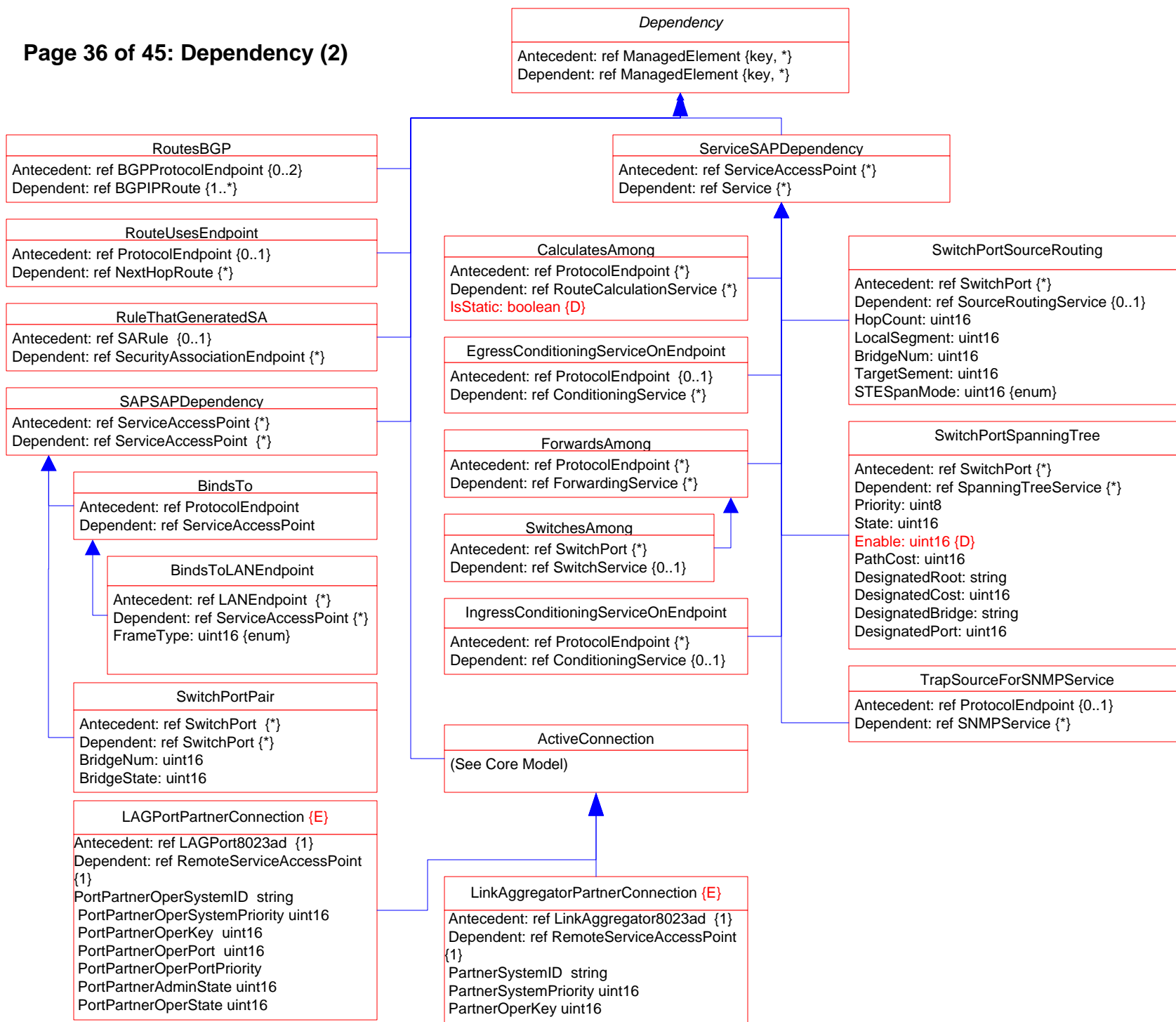


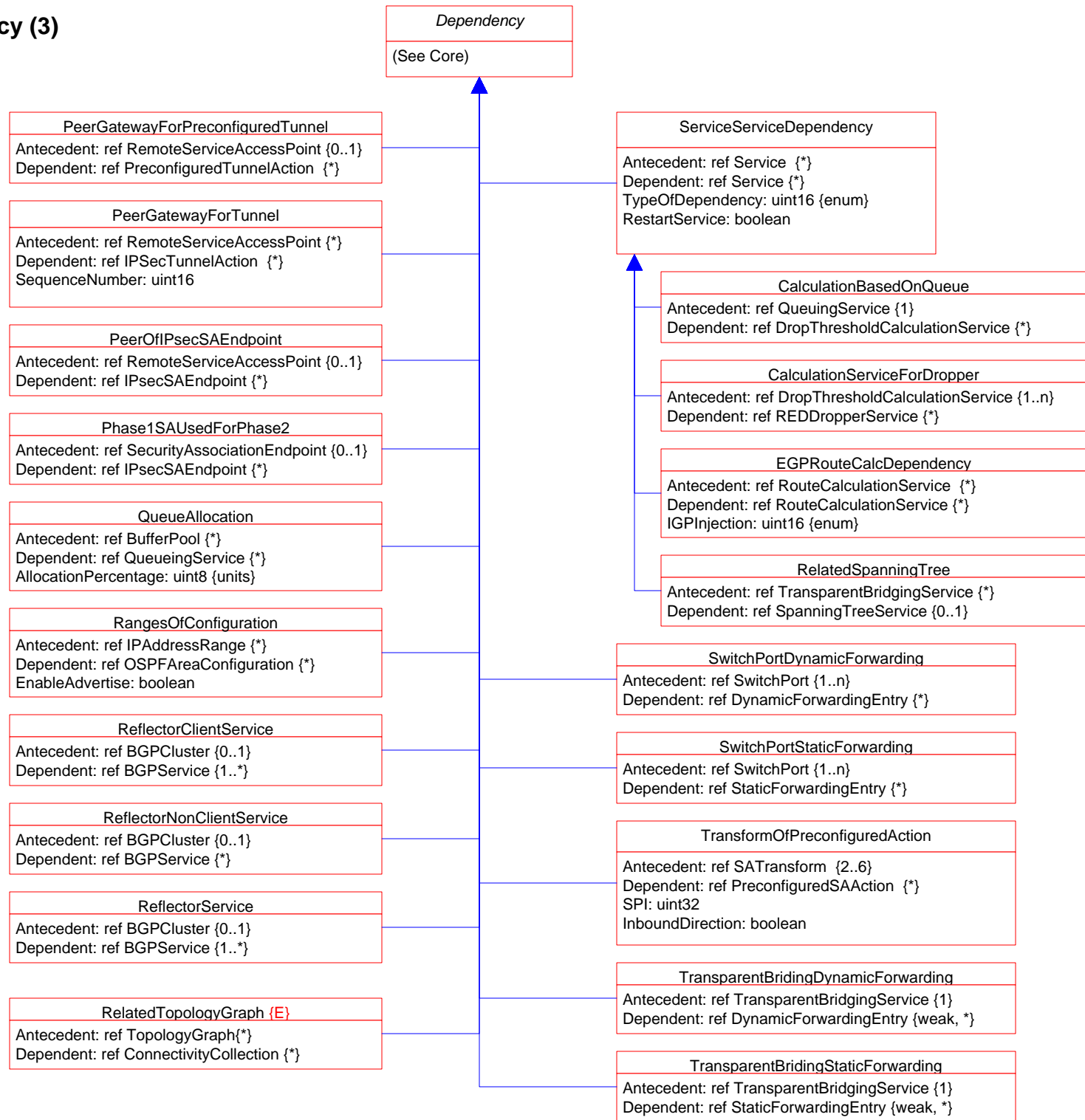


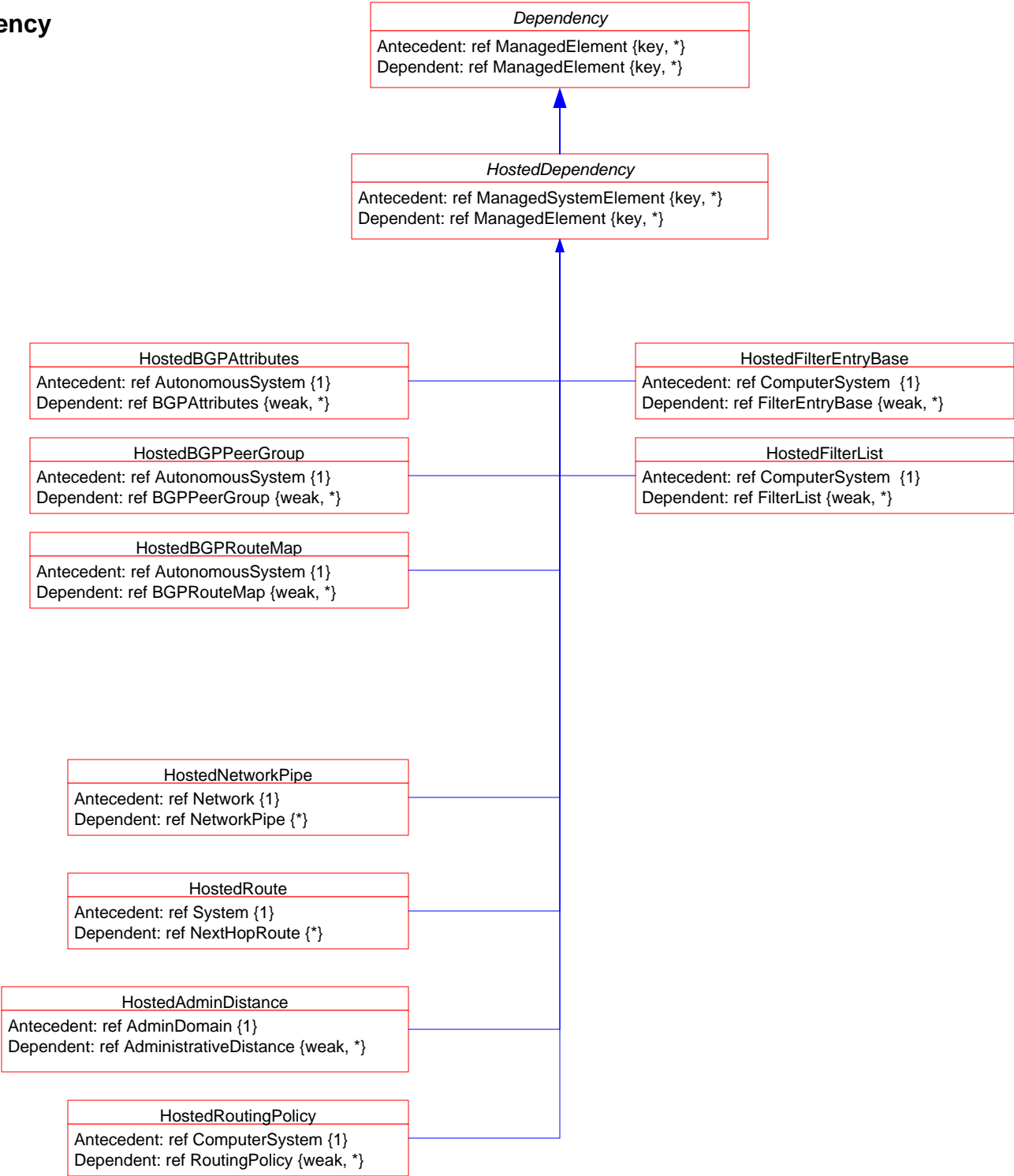
-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0 .. n



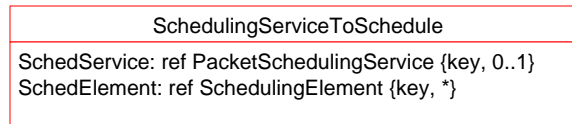
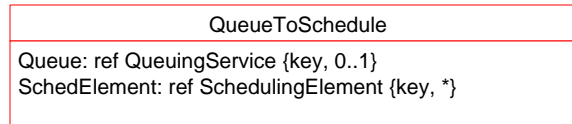
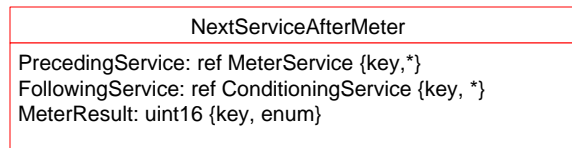
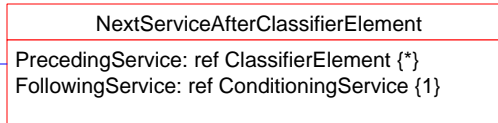
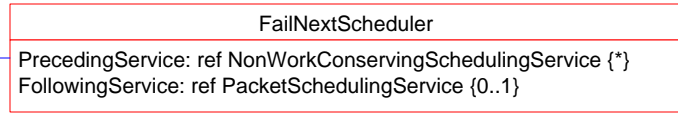
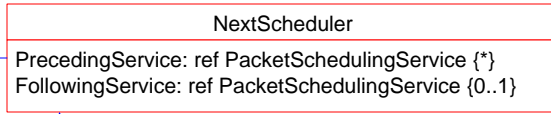
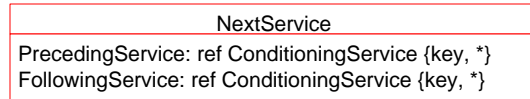
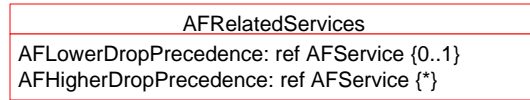
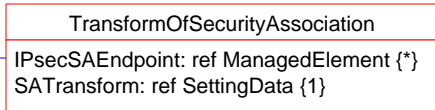
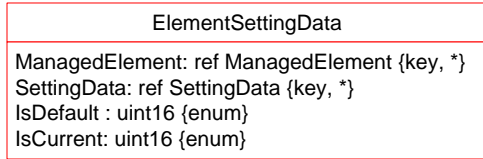
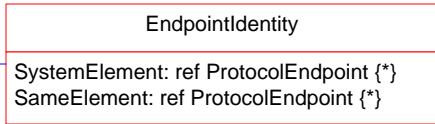
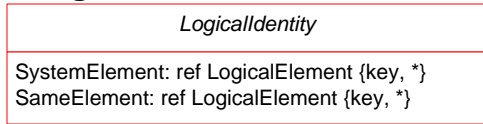




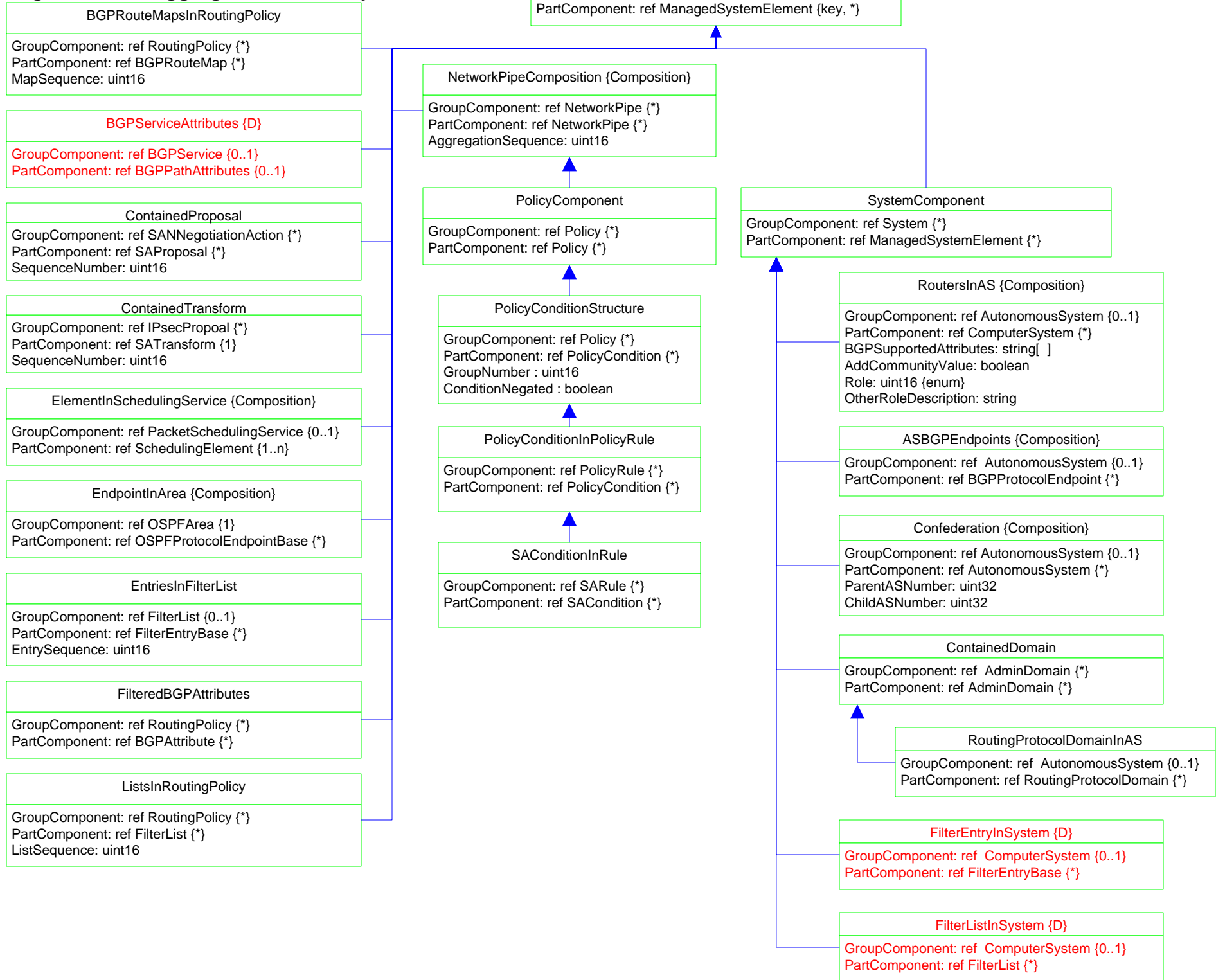




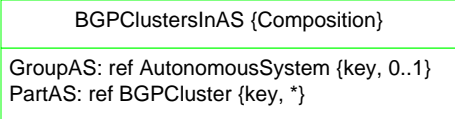
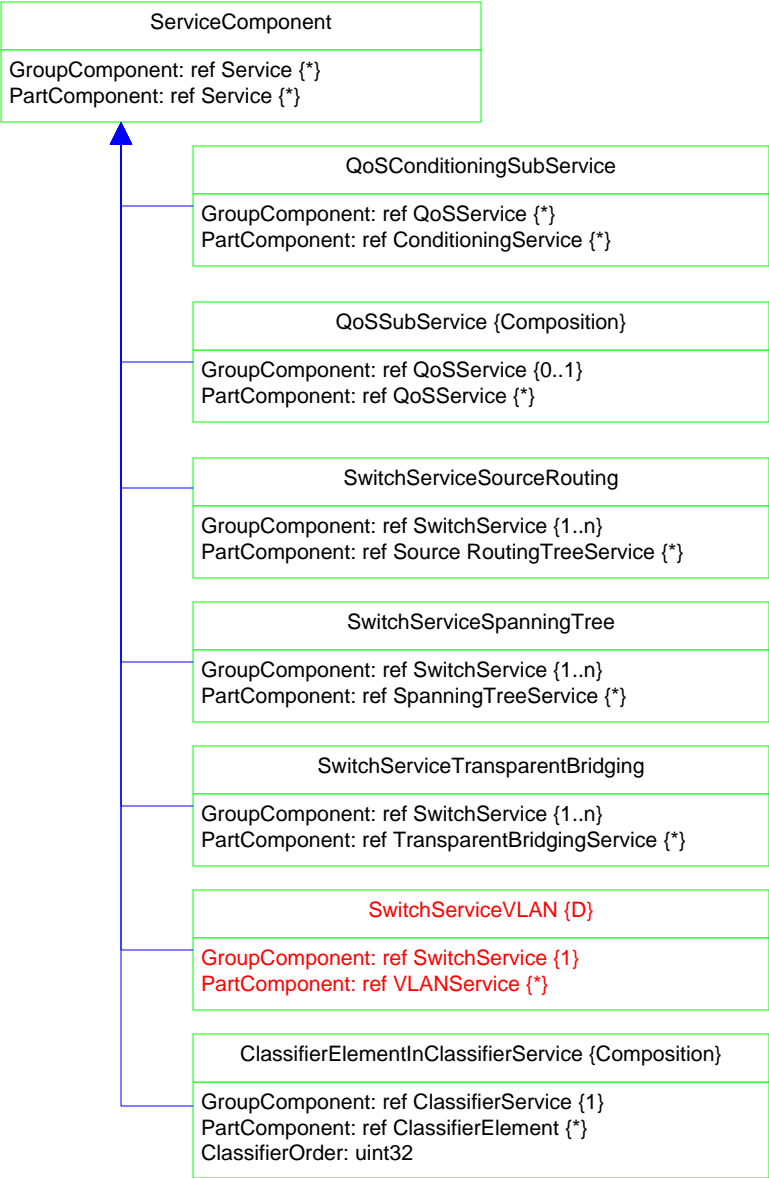
## Page 39 of 45: Association Hierarchy



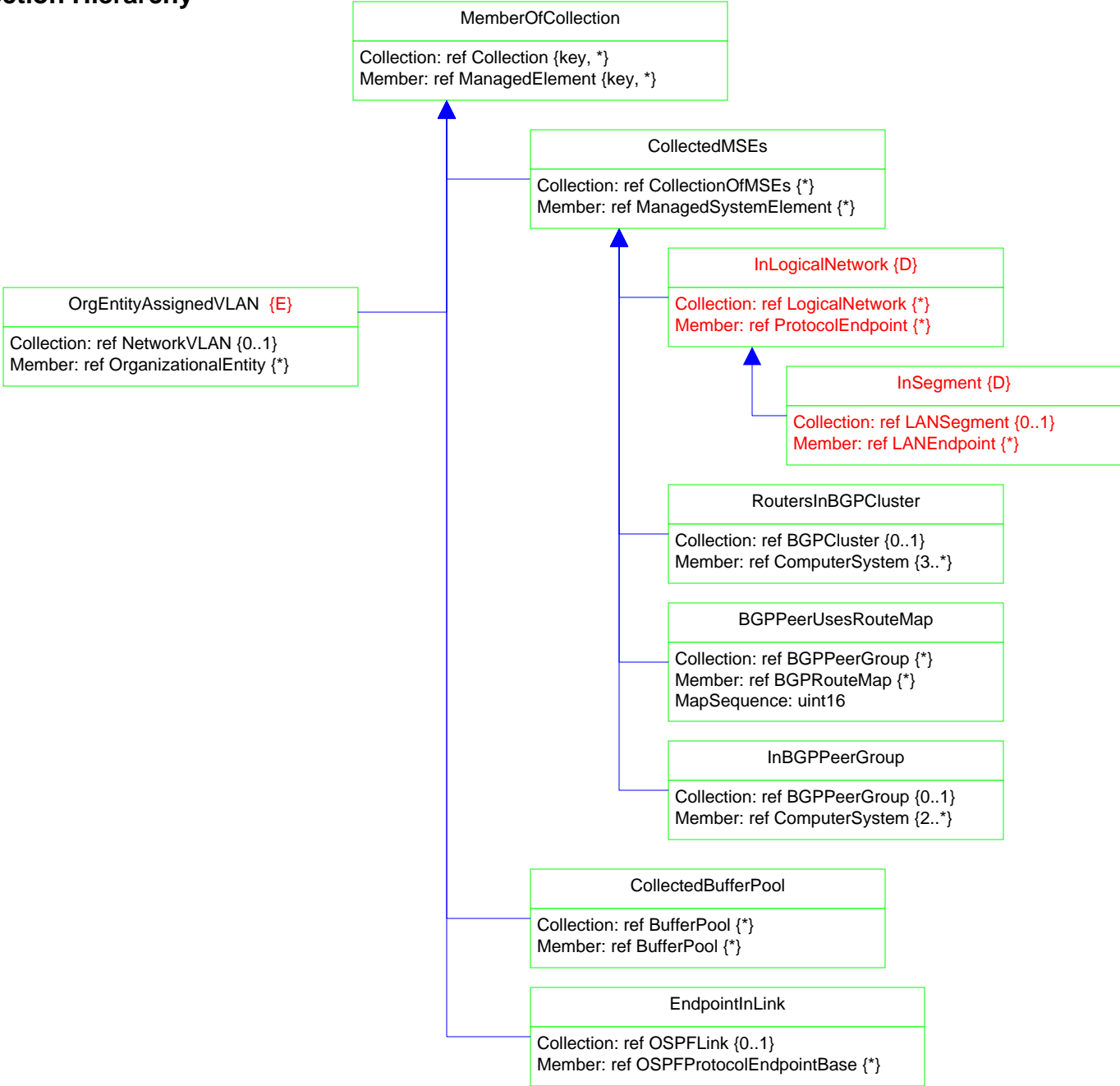
# Page 40 of 45: Aggregation Hierarchy 1





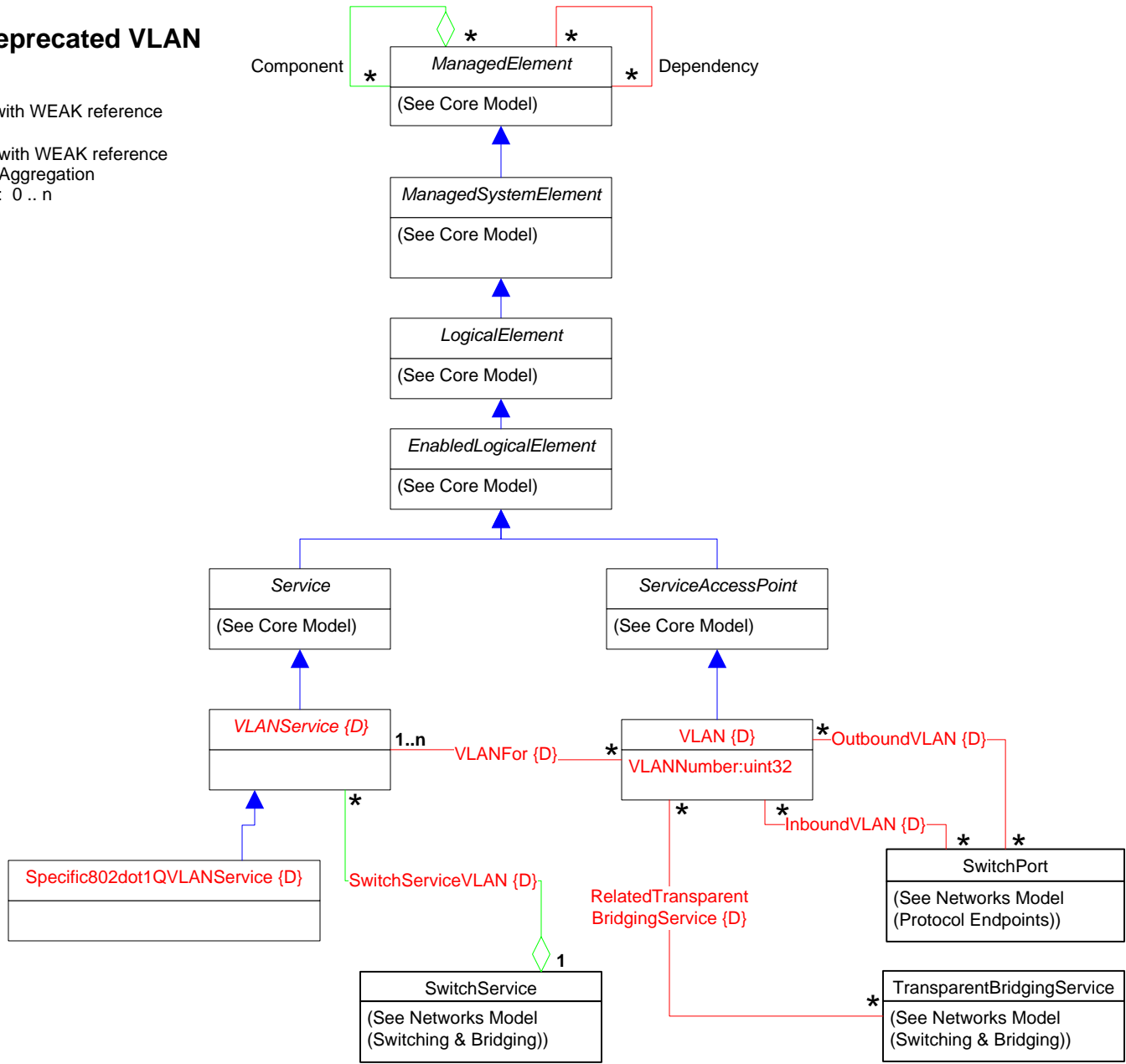


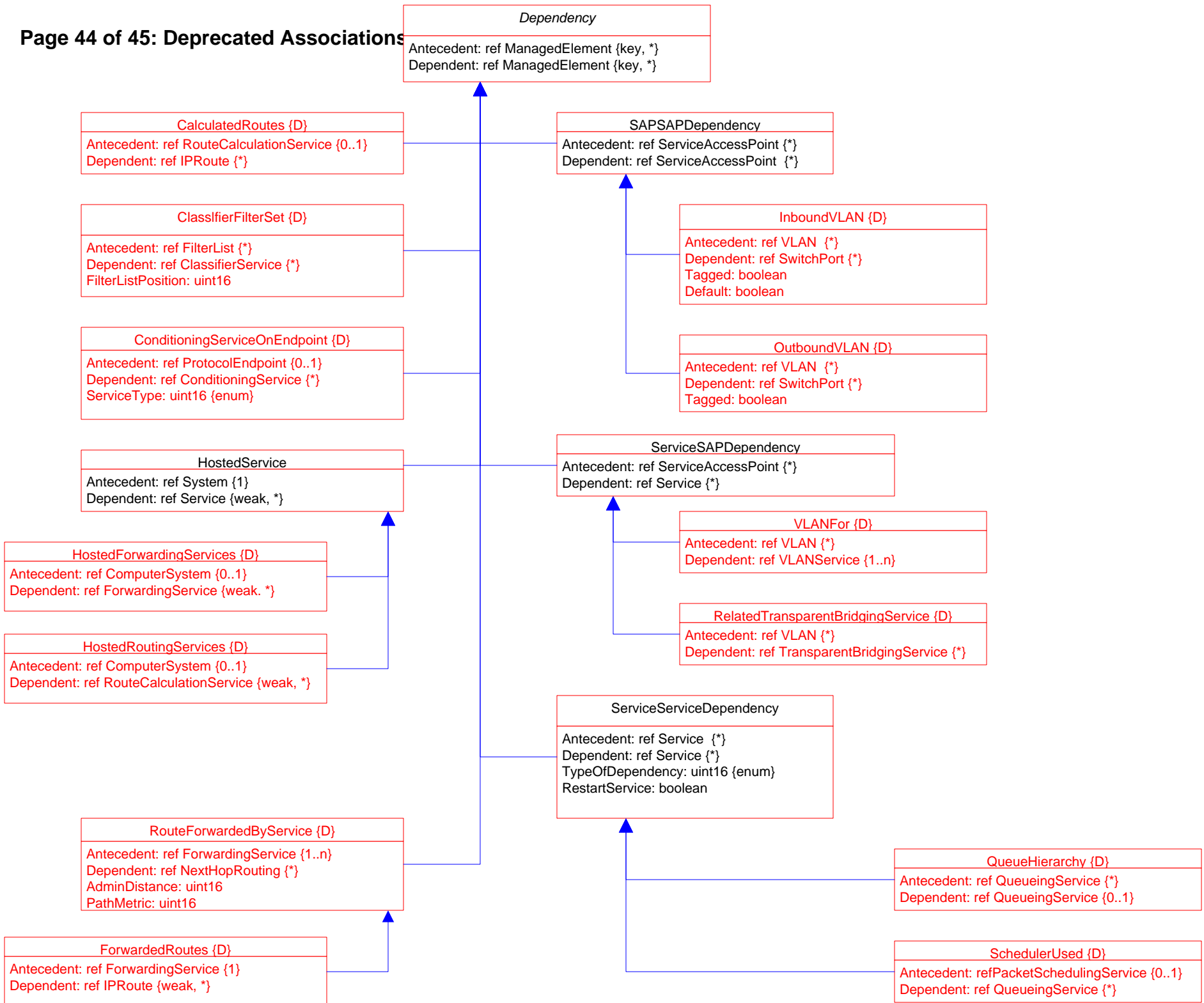
Page 42 of 45: MemberOfCollection Hierarchy



# Page 43 of 45: Deprecated VLAN

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





*Dependency*  
 Antecedent: ref ManagedElement {key, \*}  
 Dependent: ref ManagedElement {key, \*}

*CalculatedRoutes {D}*  
 Antecedent: ref RouteCalculationService {0..1}  
 Dependent: ref IPRoute {\*}

*ClassifierFilterSet {D}*  
 Antecedent: ref FilterList {\*}  
 Dependent: ref ClassifierService {\*}  
 FilterListPosition: uint16

*ConditioningServiceOnEndpoint {D}*  
 Antecedent: ref ProtocolEndpoint {0..1}  
 Dependent: ref ConditioningService {\*}  
 ServiceType: uint16 {enum}

*HostedService*  
 Antecedent: ref System {1}  
 Dependent: ref Service {weak, \*}

*HostedForwardingServices {D}*  
 Antecedent: ref ComputerSystem {0..1}  
 Dependent: ref ForwardingService {weak, \*}

*HostedRoutingServices {D}*  
 Antecedent: ref ComputerSystem {0..1}  
 Dependent: ref RouteCalculationService {weak, \*}

*RouteForwardedByService {D}*  
 Antecedent: ref ForwardingService {1..n}  
 Dependent: ref NextHopRouting {\*}  
 AdminDistance: uint16  
 PathMetric: uint16

*ForwardedRoutes {D}*  
 Antecedent: ref ForwardingService {1}  
 Dependent: ref IPRoute {weak, \*}

*SAPSAPDependency*  
 Antecedent: ref ServiceAccessPoint {\*}  
 Dependent: ref ServiceAccessPoint {\*}

*InboundVLAN {D}*  
 Antecedent: ref VLAN {\*}  
 Dependent: ref SwitchPort {\*}  
 Tagged: boolean  
 Default: boolean

*OutboundVLAN {D}*  
 Antecedent: ref VLAN {\*}  
 Dependent: ref SwitchPort {\*}  
 Tagged: boolean

*ServiceSAPDependency*  
 Antecedent: ref ServiceAccessPoint {\*}  
 Dependent: ref Service {\*}

*VLANFor {D}*  
 Antecedent: ref VLAN {\*}  
 Dependent: ref VLANService {1..n}

*RelatedTransparentBridgingService {D}*  
 Antecedent: ref VLAN {\*}  
 Dependent: ref TransparentBridgingService {\*}

*ServiceServiceDependency*  
 Antecedent: ref Service {\*}  
 Dependent: ref Service {\*}  
 TypeOfDependency: uint16 {enum}  
 RestartService: boolean

*QueueHierarchy {D}*  
 Antecedent: ref QueueingService {\*}  
 Dependent: ref QueueingService {0..1}

*SchedulerUsed {D}*  
 Antecedent: ref PacketSchedulingService {0..1}  
 Dependent: ref QueueingService {\*}

