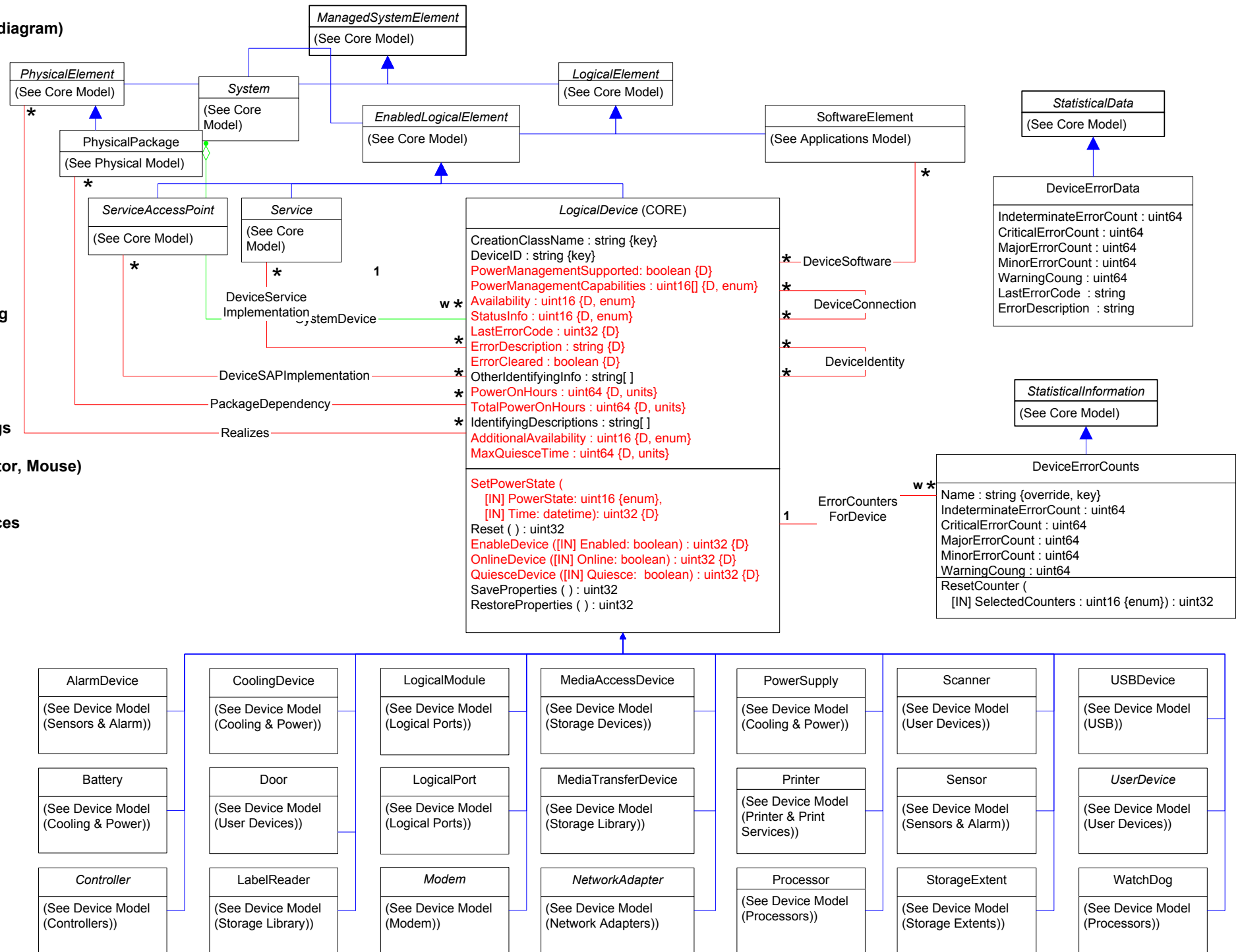


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 Filename : CIM_Device28-Final.vsd
 Author : DMTF SysDev-wg
 Date : 01/26/2004

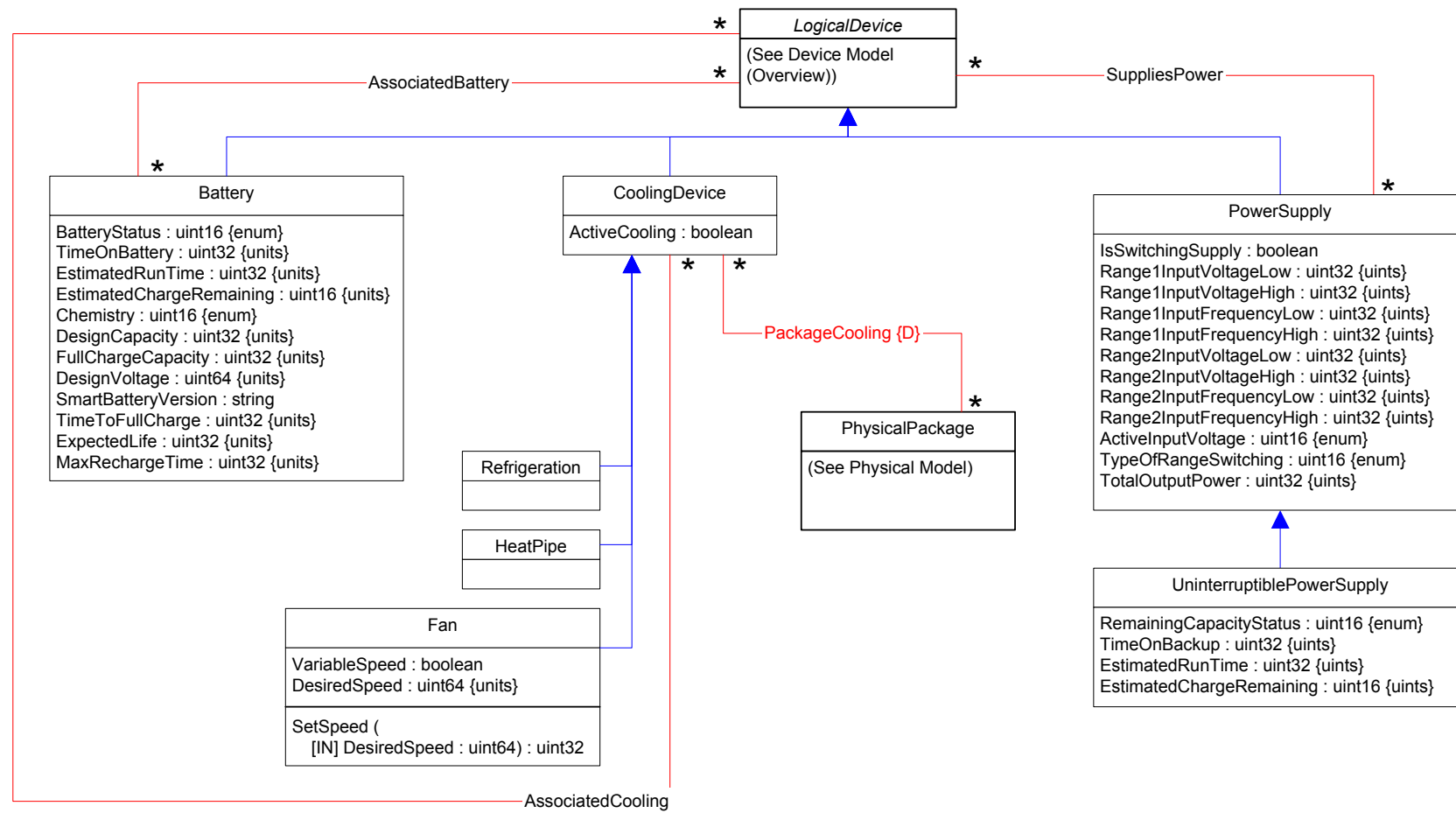
- Page 1 - Overview
- Page 2 - Cooling & Power
- Page 3 - Processors
- Page 4 - Controllers
- Page 5 - PCI Controllers
- Page 6 - Logical Ports
- Page 7 - Logical Port Group
- Page 8 - Protocol Controllers
- Page 9 - Network Adapters
- Page 10 - Fibre Channel
- Page 11 - Fibre Channel Services & Zoning
- Page 12 - InfiniBand
- Page 13 - Storage Devices
- Page 14 - StorageExtents
- Page 15 - SCC Extent Model
- Page 16 - Storage Services
- Page 17 - Storage Capabilities and Settings
- Page 18 - Storage Library
- Page 19 - User Devices (Keyboards, Monitor, Mouse)
- Page 20 - Memory
- Page 21 - Modems
- Page 22 - Printers, Print Jobs, Print Services
- Page 23 - Sensors & Alarm
- Page 24 - USB & Disk Group
- Page 25 - Dependency (1) [A - Ba]
- Page 26 - Dependency (2) [D - Pi]
- Page 27 - Dependency (3) [Po - S]
- Page 28 - Association Hierarchy
- Page 29 - Aggregation Hierarchy
- Page 30 - Association Deprecation
- Page 31 - Aggregation Deprecation










- Inheritance
- Association
- Association with WEAK reference
- Aggregation
- Aggregation with WEAK reference
- Composition Aggregation
- Equivalent to: 0..n
- Experimental Class or Property
- Deprecated Class or Property

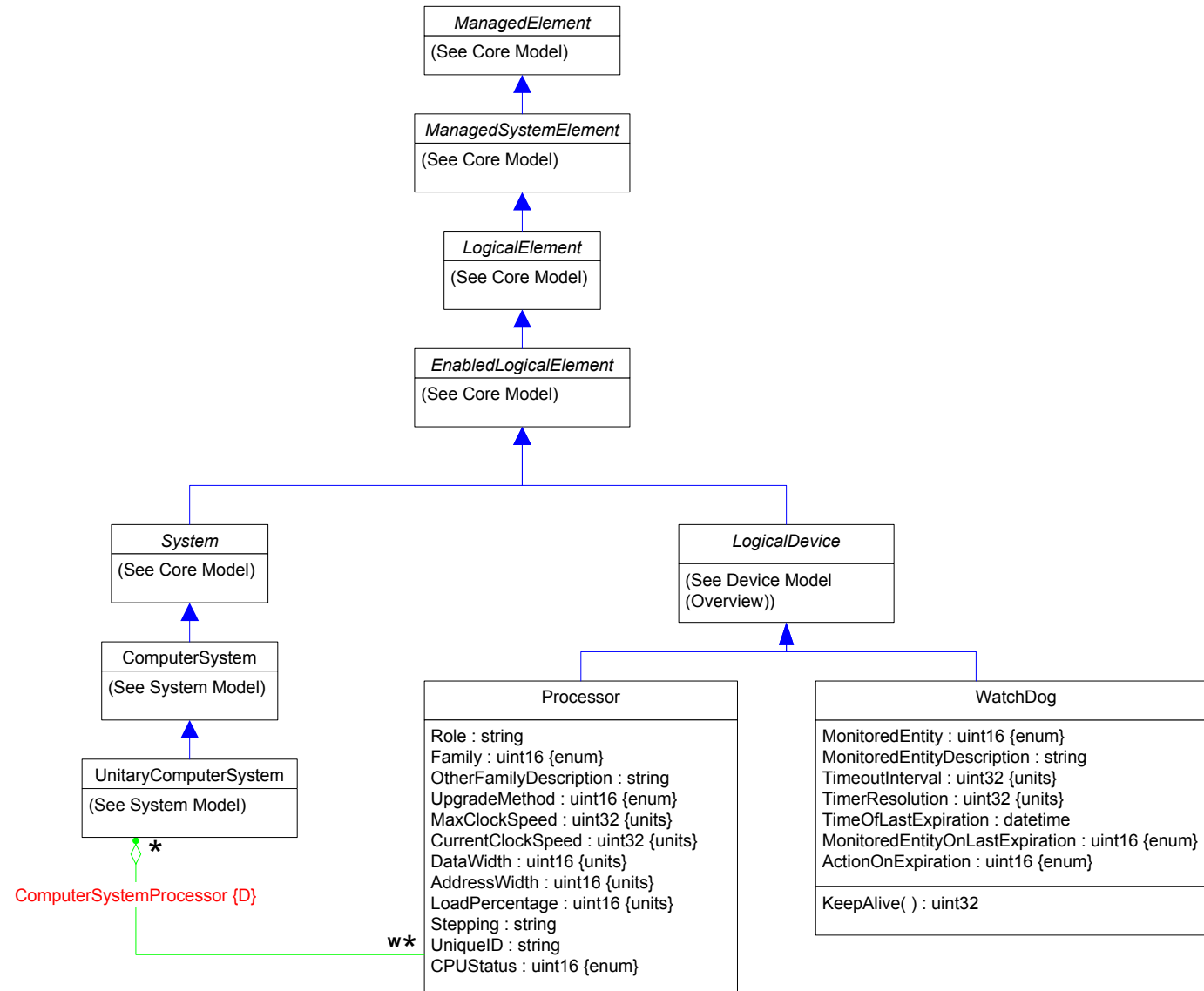


Page 2 - Cooling & Power










- ▲ Inheritance
- Association
- w Association with WEAK reference
- ◇ Aggregation
- w◇ Aggregation with WEAK reference
- ◇ Composition Aggregation
- * Equivalent to: 0 .. n
- {E} Experimental Class or Property
- {D} Deprecated Class or Property

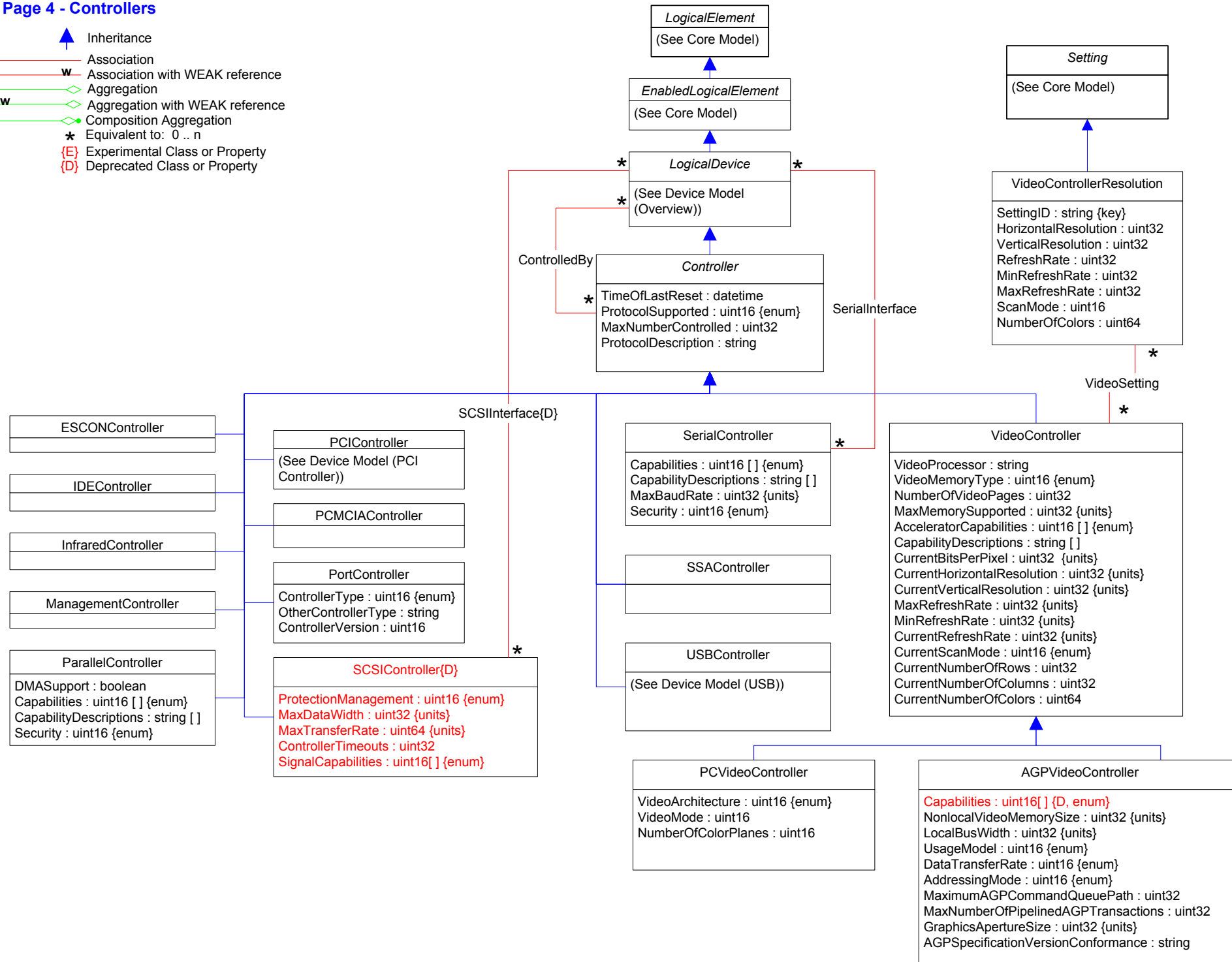


-  Inheritance
-  Association
-  Association with WEAK reference
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-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0 .. n
-  Experimental Class or Property
-  Deprecated Class or Property

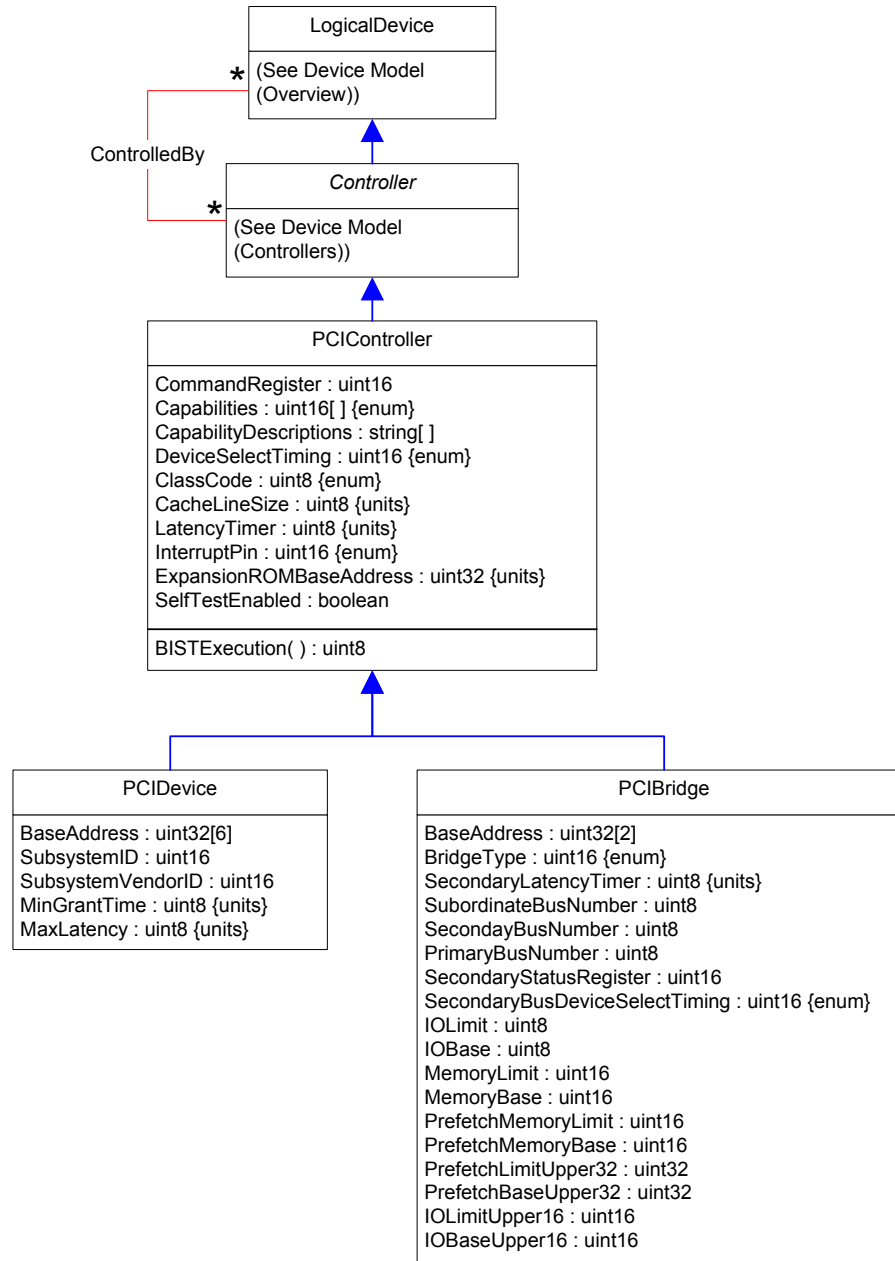
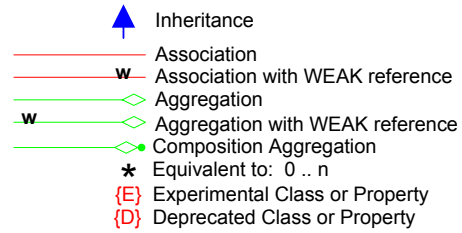


Page 4 - Controllers










-  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

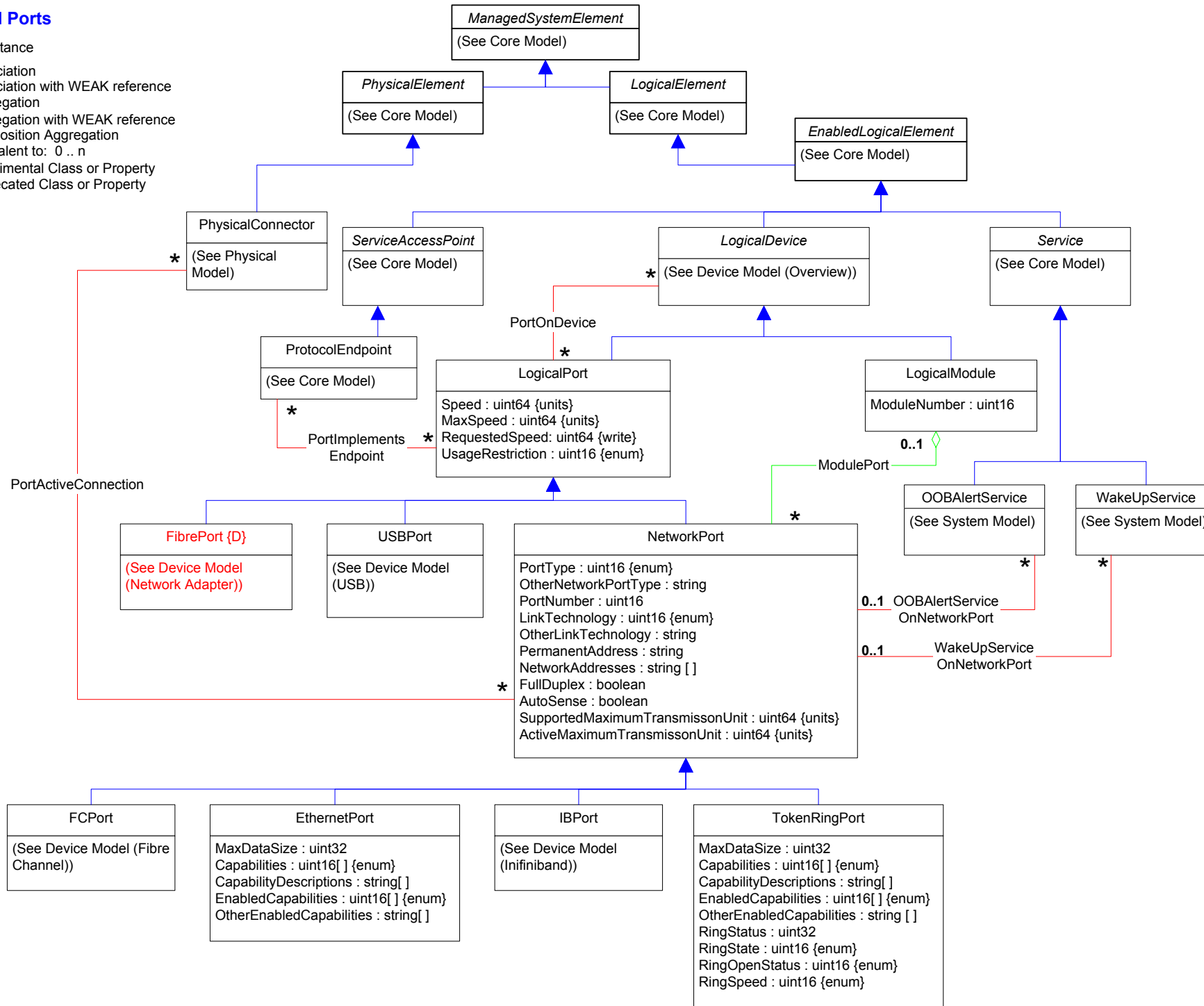


Page 5 - PCI Controllers





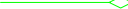






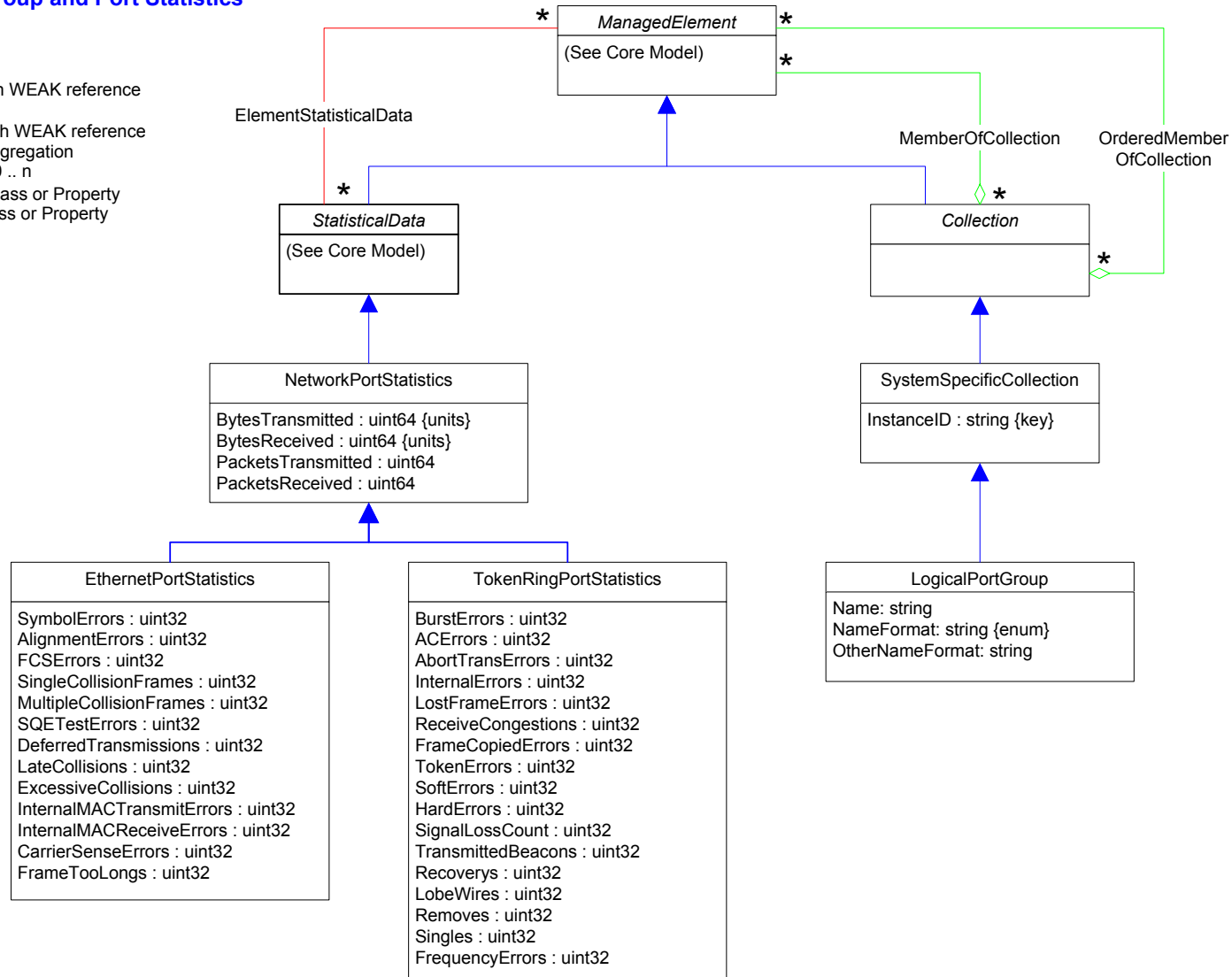
Page 6 - Logical Ports

-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0 .. n
-  Experimental Class or Property
-  Deprecated Class or Property












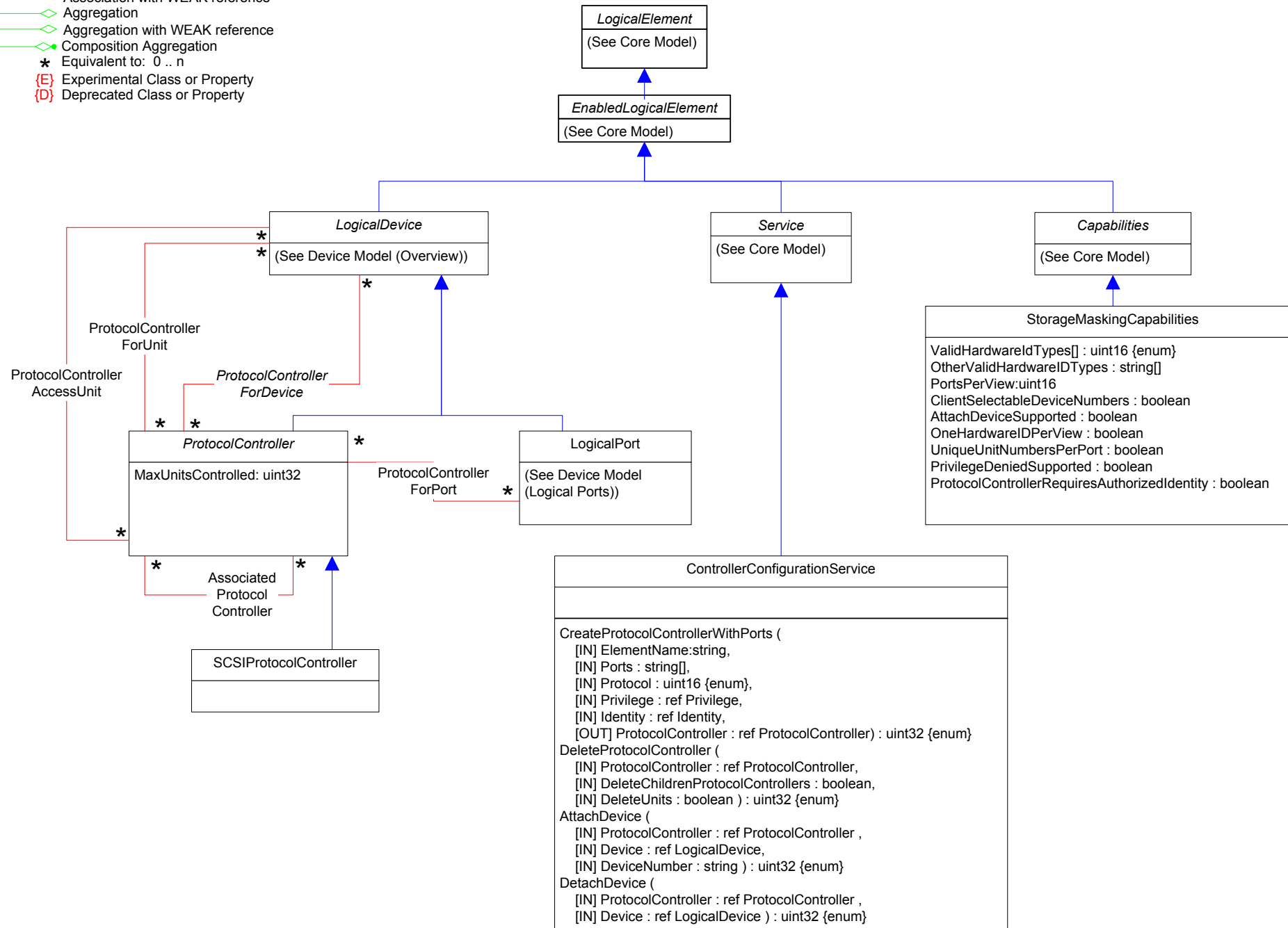
Page 7 - Logical Port Group and Port Statistics

-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0 .. n
-  Experimental Class or Property
-  Deprecated Class or Property












Page 8 - ProtocolController

-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0..n
-  Experimental Class or Property
-  Deprecated Class or Property



Page 9 - Network Adapters

-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0 .. n
-  Experimental Class or Property
-  Deprecated Class or Property

FCAdapterEventCounters {D}

ABTSFramesReceived : uint64
 ABTSFramesSent : uint64
 FBSYsReceived : uint64
 PBSYsReceived : uint64
 PBSYsSent : uint64
 FRJTsReceived : uint64
 PRJTsReceived : uint64
 PRJTsSent : uint64
 PRLsRejected : uint64
 PRLOsRejected : uint64
 ABTSFramesRejected : uint64

ResetCounter ([IN] SelectedCounter : uint16) : uint32

FibrePortEventCounters {D}

PLOGIsReceived : uint64
 PLOGIsSent : uint64
 EOFAbortsReceived : uint64
 EOFAbortsTransmitted : uint64
 PLOGOsReceived : uint64
 PLOGOsSent : uint64
 PLOGIsRejected : uint64
 PLOGOsRejected : uint64

ResetCounter ([IN] SelectedCounter : uint16) : uint32

DeviceStatistical Information
 (See Core Model)

LogicalPort
 (See Device Model (Logical Port))

FibrePort {D}

AddressIdentifier : uint32
 SupportedPortTypes : uint16 []
 PortTypeVersions : string []
 EnabledPortTypes : uint16 []
 EnabledVersions : string []
 CurrentPortType : uint16
 CurrentVersion : string
 AliasAddresses : uint32 []
 LossOfSignalCounter : uint64
 LossOfSyncCounter : uint64
 CRCErrors : uint64
 InvalidTransmissionWords : uint64
 FramesTooShort : uint64
 FramesTooLong : uint64
 ElasticityBufferUnderruns : uint64
 ElasticityBufferOverruns : uint64
 ReceiverTransmitterTimeout : uint64
 BypassedState : uint16
 ConnectedMedia : uint16

FibreChannelAdapter {D}

MaxFrameSize : uint64
 SupportedCOS : uint16 []
 FC4TypesSupported : uint16 []
 FC4VendorUniqueTypes : uint16 []
 CurrentFC4Types : uint16 []
 CurrentFC4VendorTypes : uint16 []
 Capabilities : uint16 []
 CapabilityDescriptions : string []
 ReceiveBufferErrors : uint64
 ReceiveEndErrors : uint64
 ResourceAllocationTimeout : uint64
 ErrorDetectTimeout : uint64
 Class1SequencesSent : uint64
 Class2SequencesSent : uint64
 Class3SequencesSent : uint64
 Class4SequencesSent : uint64
 Class2OctetsReceived : uint64
 Class2OctetsTransmitted : uint64
 Class2FramesReceived : uint64
 Class2FramesTransmitted : uint64
 Class2DiscardFrames : uint64
 Class3OctetsReceived : uint64
 Class3OctetsTransmitted : uint64
 Class3FramesReceived : uint64
 Class3FramesTransmitted : uint64
 Class3DiscardFrames : uint64
 ParityErrors : uint64
 FrameTimeouts : uint64
 BufferCreditErrors : uint64
 EndCreditErrors : uint64
 OutOfOrderFramesReceived : uint64

PhysicalConnector
 (See Physical Model)

NetworkAdapter {D}

PermanentAddress : string
 NetworkAddresses : string []
 Speed : uint64
 MaxSpeed : uint64
 FullDuplex : boolean
 AutoSense : boolean
 OctetsTransmitted : uint64
 OctetsReceived : uint64

EthernetAdapter {D}

MaxDataSize : uint32
 Capabilities : uint16 [] {enum}
 CapabilityDescriptions : string []
 EnabledCapabilities : uint16 [] {enum}
 SymbolErrors : uint32
 TotalPacketsTransmitted : uint64
 TotalPacketsReceived : uint64
 AlignmentErrors : uint32
 FCSErrors : uint32
 SingleCollisionFrames : uint32
 MultipleCollisionFrames : uint32
 SQETestErrors : uint32
 DeferredTransmissions : uint32
 LateCollisions : uint32
 ExcessiveCollisions : uint32
 InternalMACTransmitErrors : uint32
 InternalMACReceiveErrors : uint32
 CarrierSenseErrors : uint32
 FrameTooLongs : uint32

TokenRingAdapter {D}

MaxDataSize : uint32
 Capabilities : uint16 [] {enum}
 CapabilityDescriptions : string []
 EnabledCapabilities : uint16 [] {enum}
 RingStatus : uint32
 RingState : uint16
 RingOpenStatus : uint16
 RingSpeed : uint16
 BurstErrors : uint32
 ACErrors : uint32
 AbortTransErrors : uint32
 InternalErrors : uint32
 LostFrameErrors : uint32
 ReceiveCongestions : uint32
 FrameCopiedErrors : uint32
 TokenErrors : uint32
 SoftErrors : uint32
 HardErrors : uint32
 SignalLossCount : uint32
 TransmittedBeacons : uint32
 Recoverys : uint32
 LobeWires : uint32
 Removes : uint32
 Singles : uint32
 FrequencyErrors : uint32

LogicalDevice
 (See Device Model (Overview))

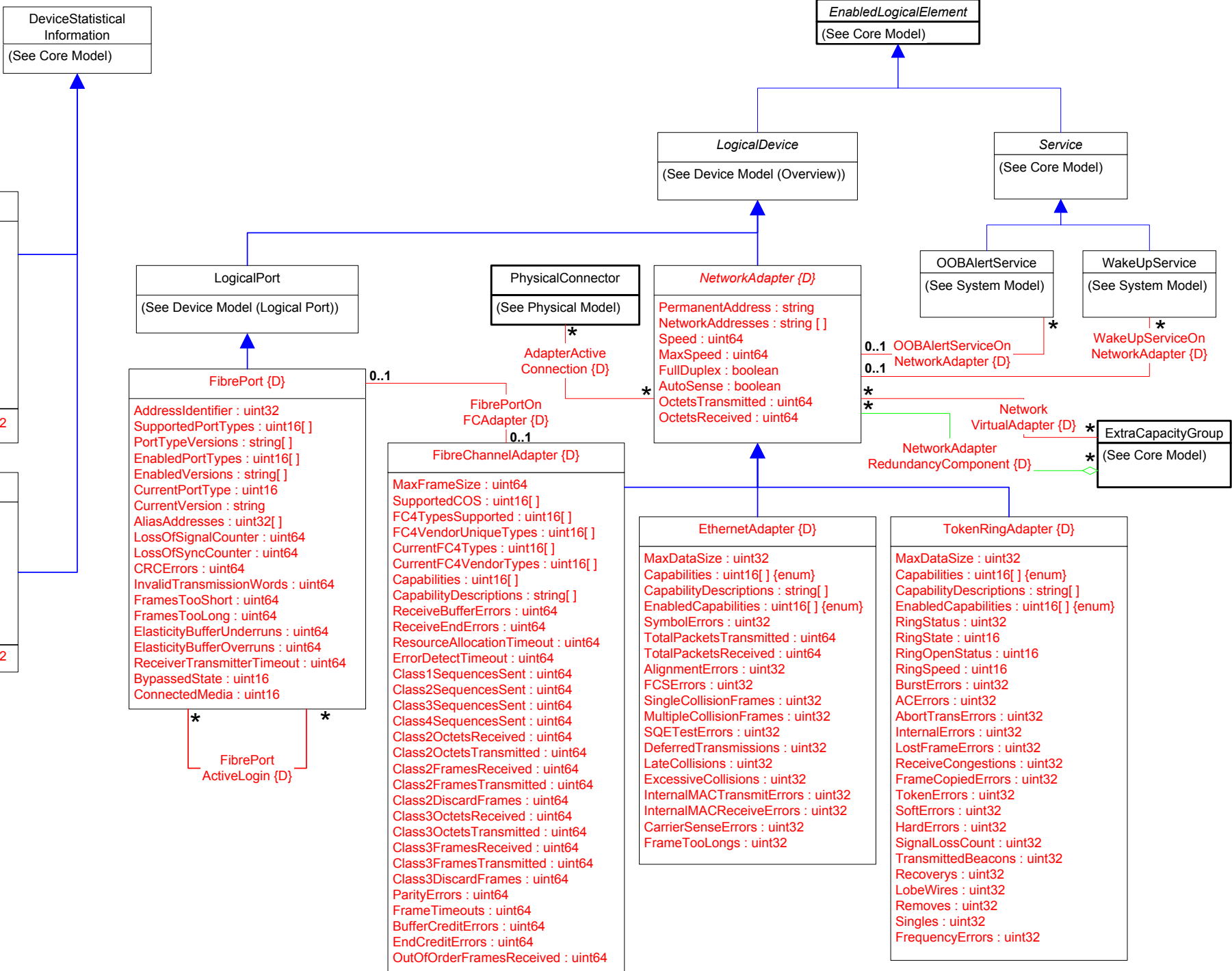
Service
 (See Core Model)

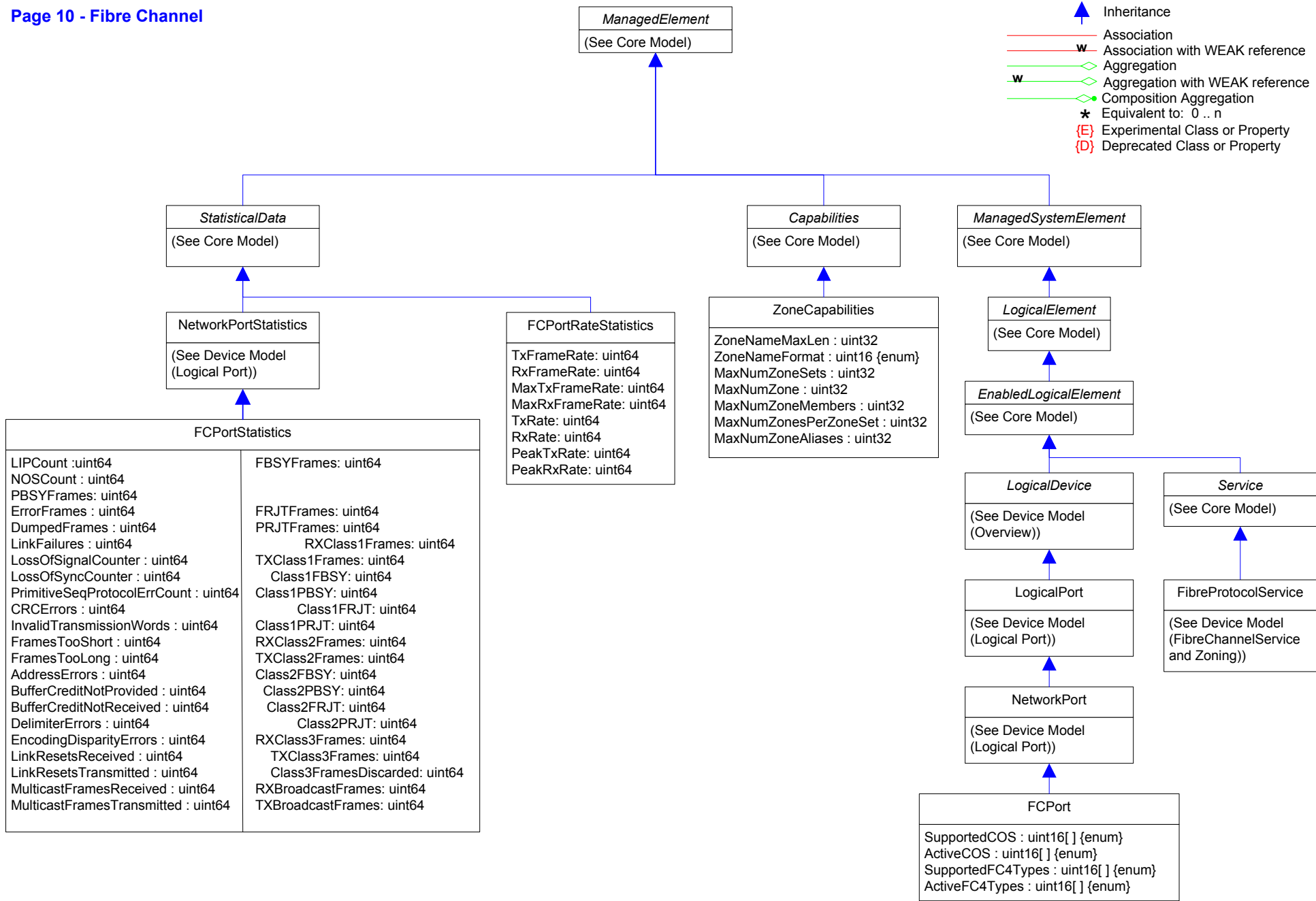
OoBAAlertService
 (See System Model)




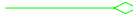
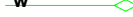




WakeUpService
 (See System Model)

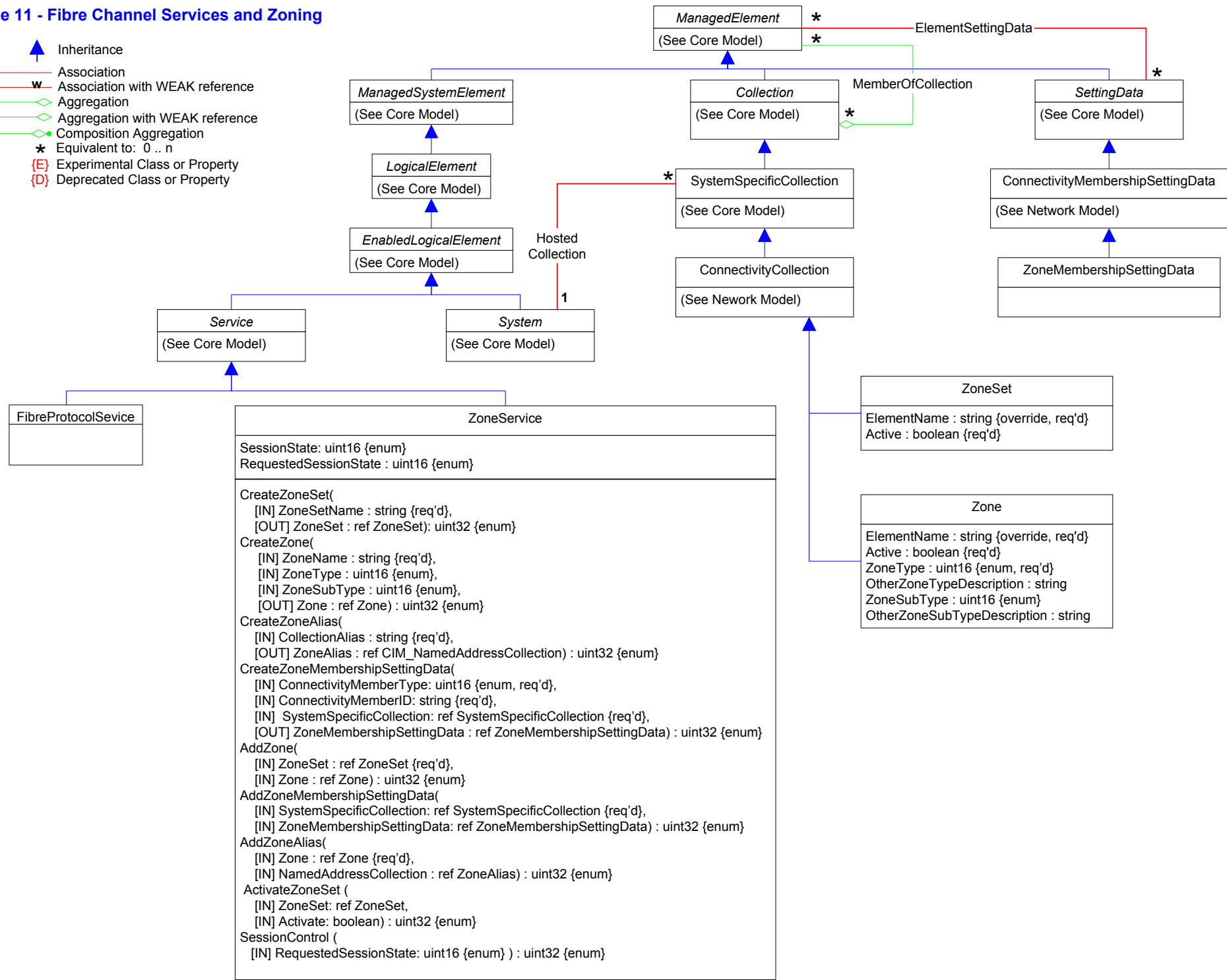
ExtraCapacityGroup
 (See Core Model)

EnabledLogicalElement
 (See Core Model)





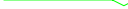






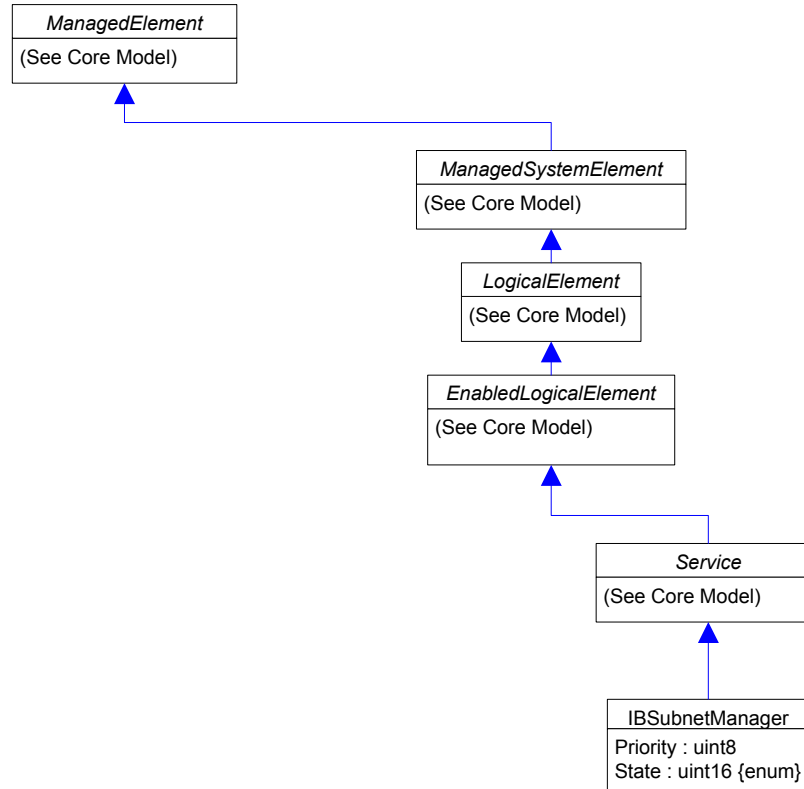





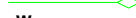





-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0 .. n
-  Experimental Class or Property
-  Deprecated Class or Property

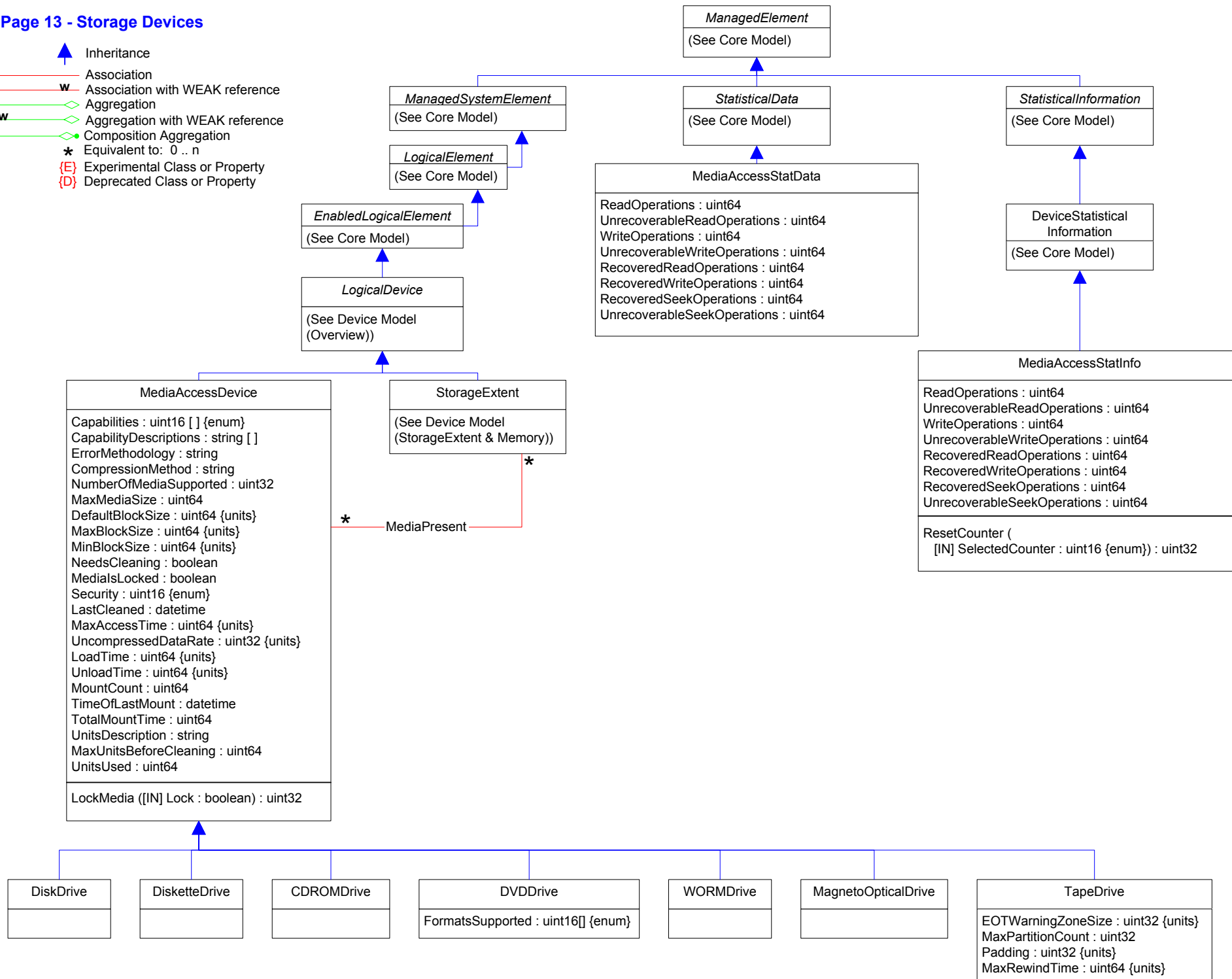


Page 12 - Infiniband

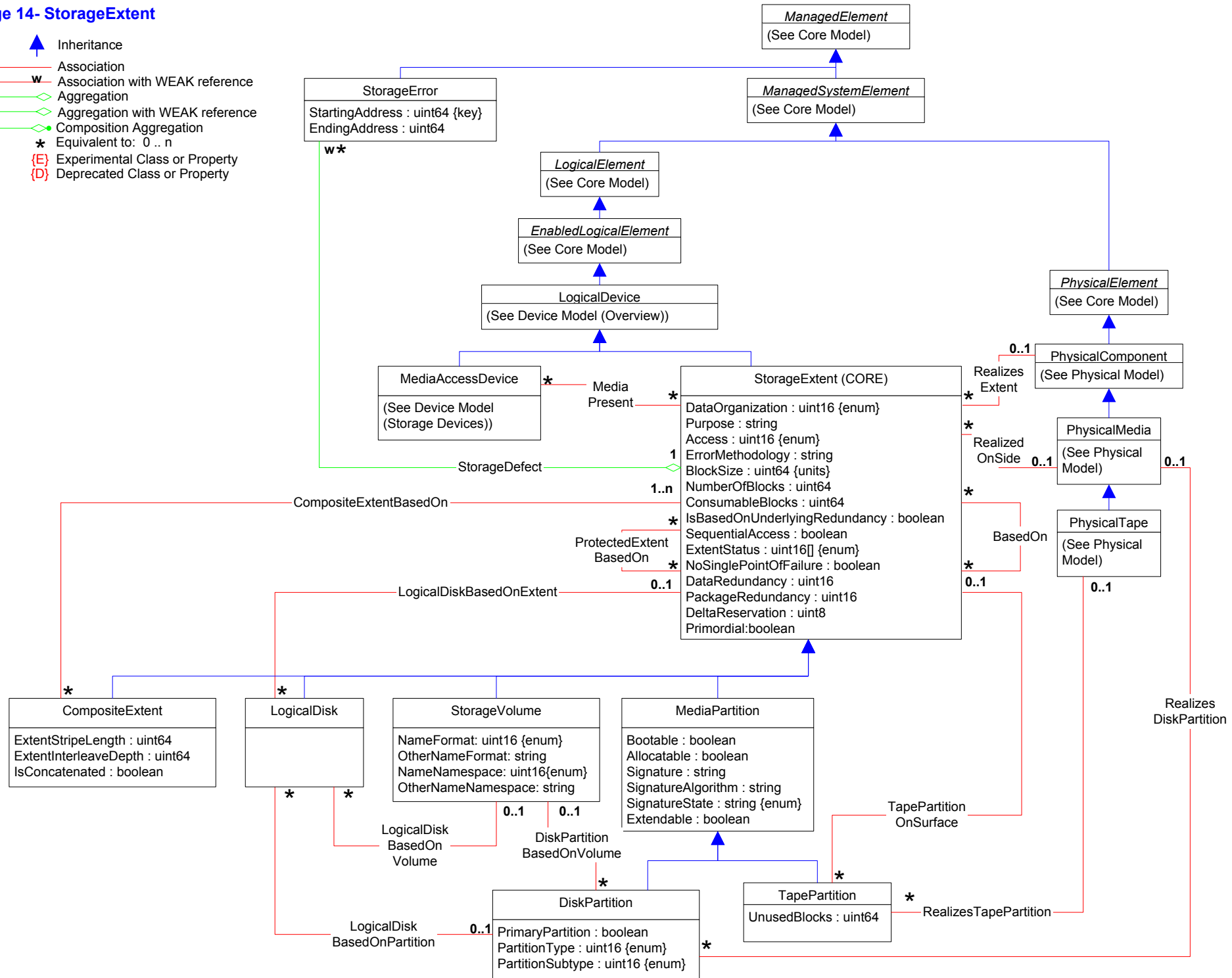
-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0 .. n
-  Experimental Class or Property
-  Deprecated Class or Property



-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  * Equivalent to: 0 .. n
-  (E) Experimental Class or Property
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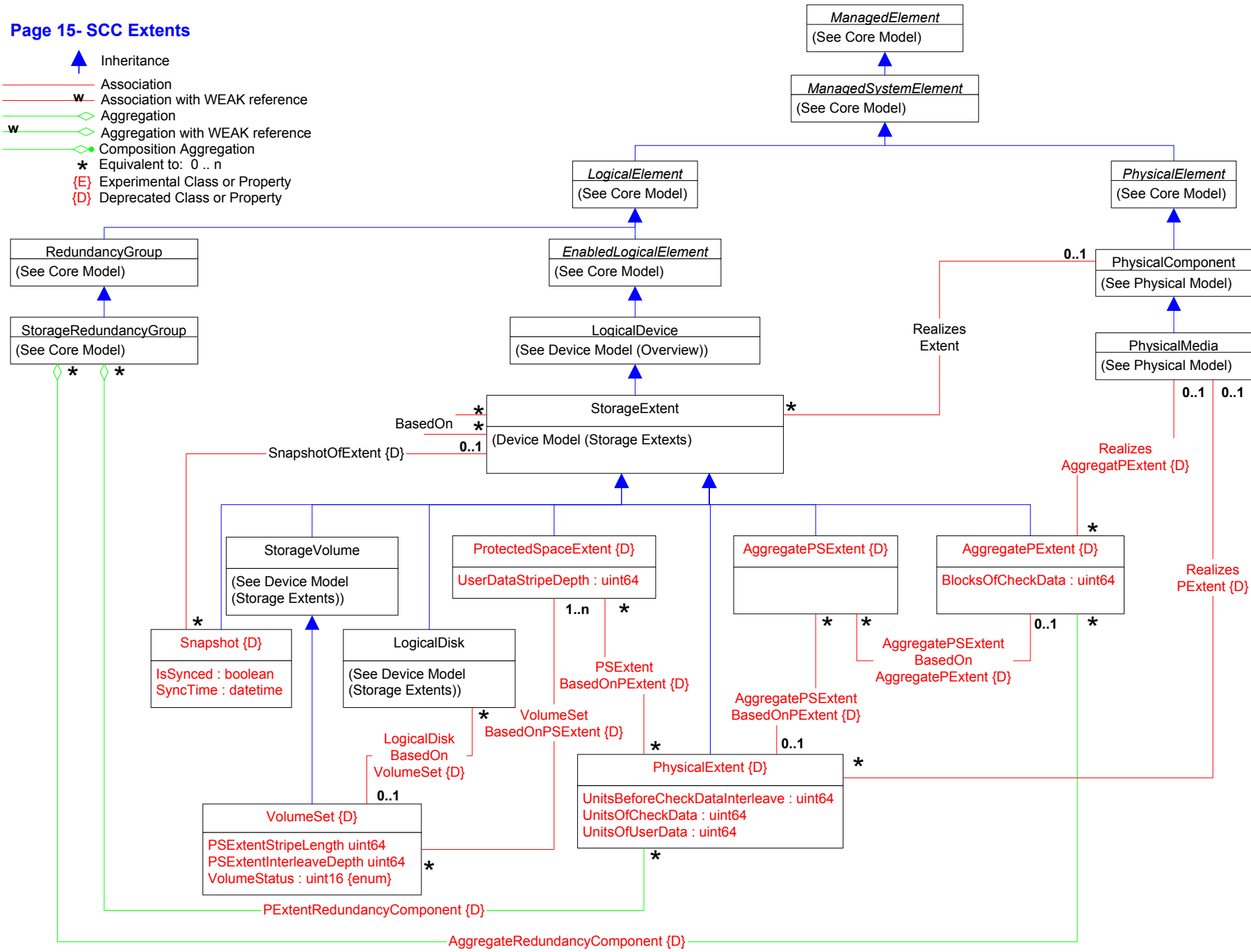


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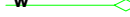






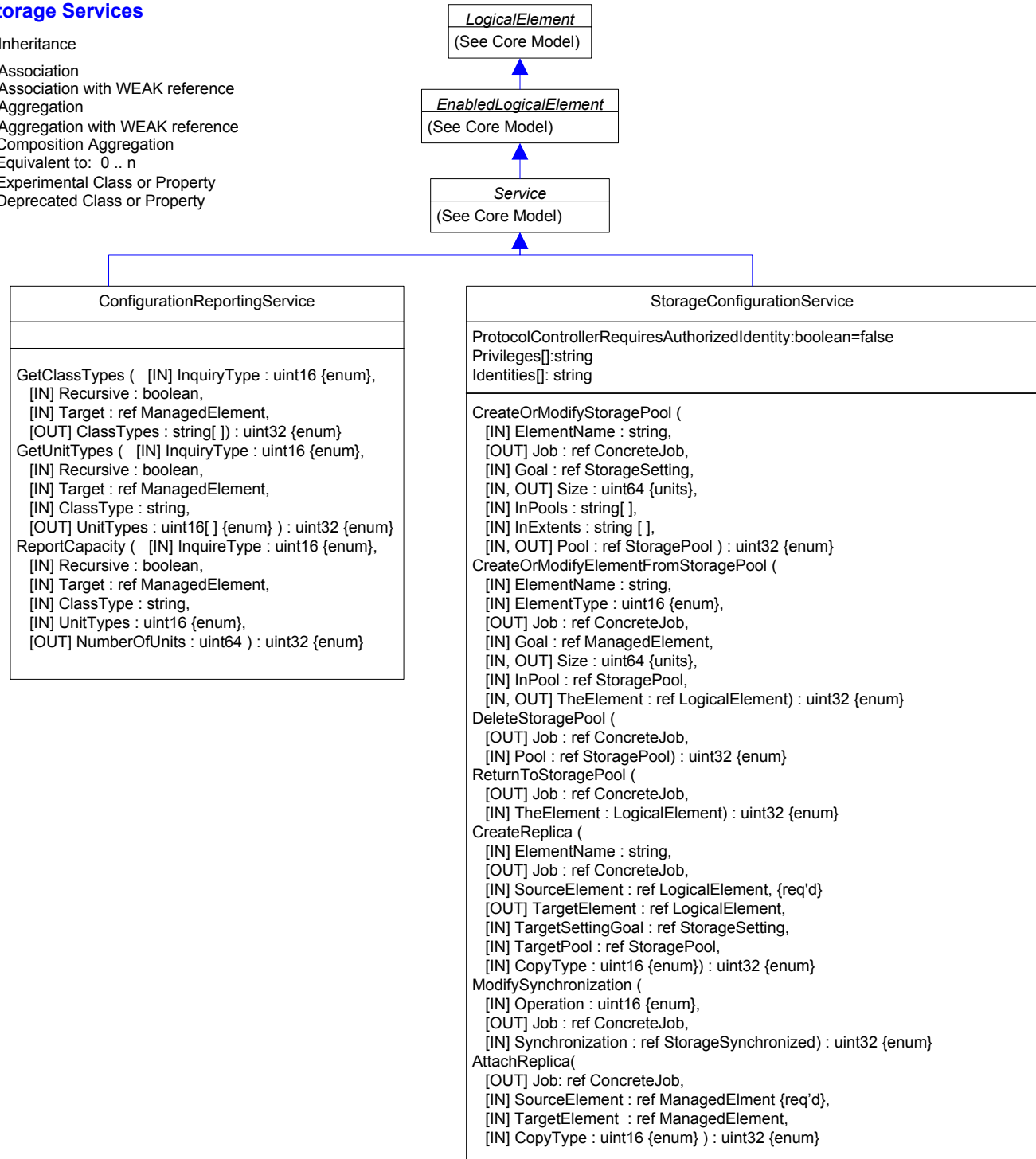
Page 15- SCC Extents

- ▲ Inheritance
- Association
- w Association with WEAK reference
- ◇ Aggregation
- ◇-w Aggregation with WEAK reference
- ◇-w Composition Aggregation
- * Equivalent to: 0..n
- {E} Experimental Class or Property
- {D} Deprecated Class or Property



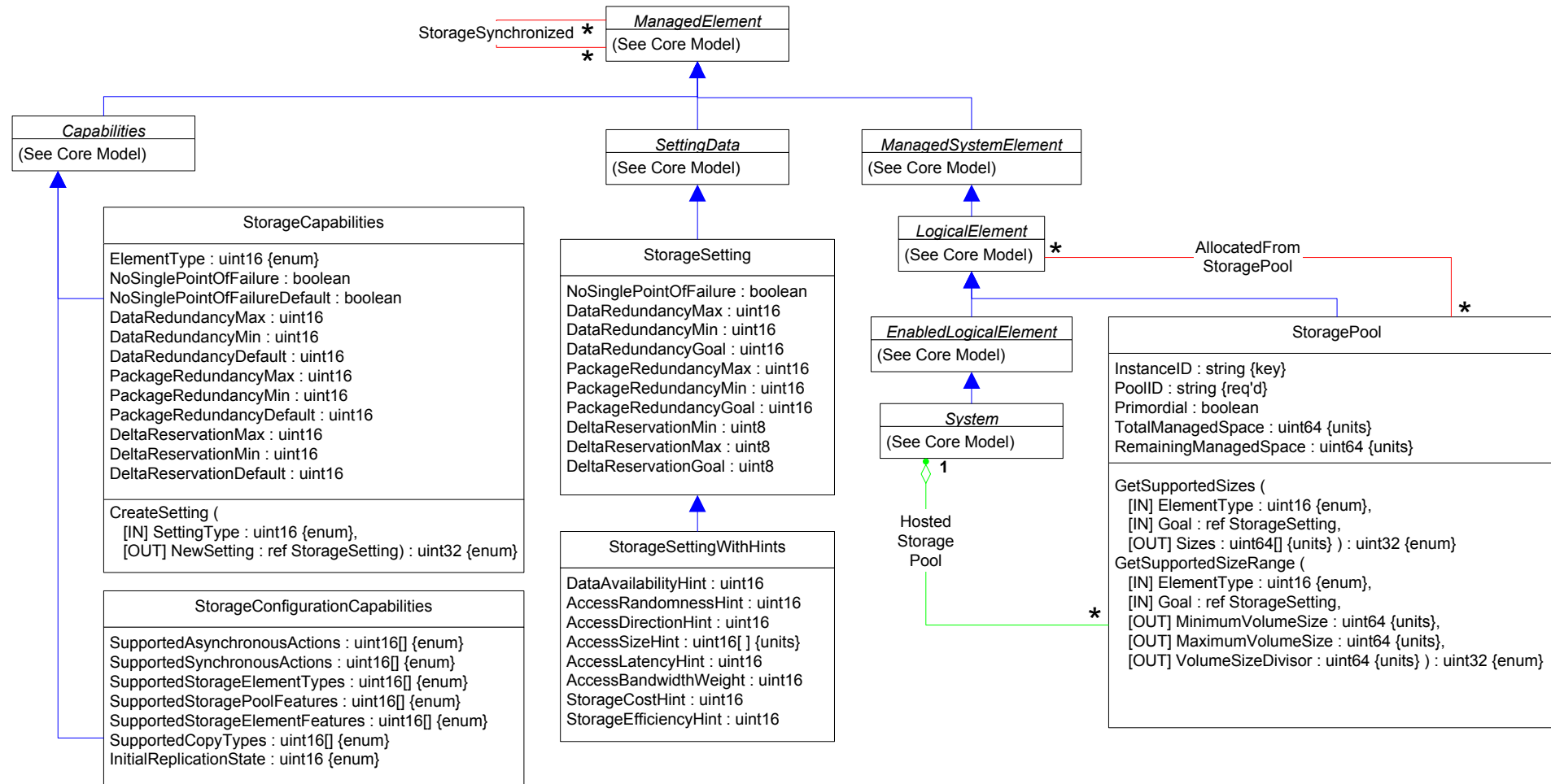
Page 16 - Storage Services

-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0 .. n
-  Experimental Class or Property
-  Deprecated Class or Property

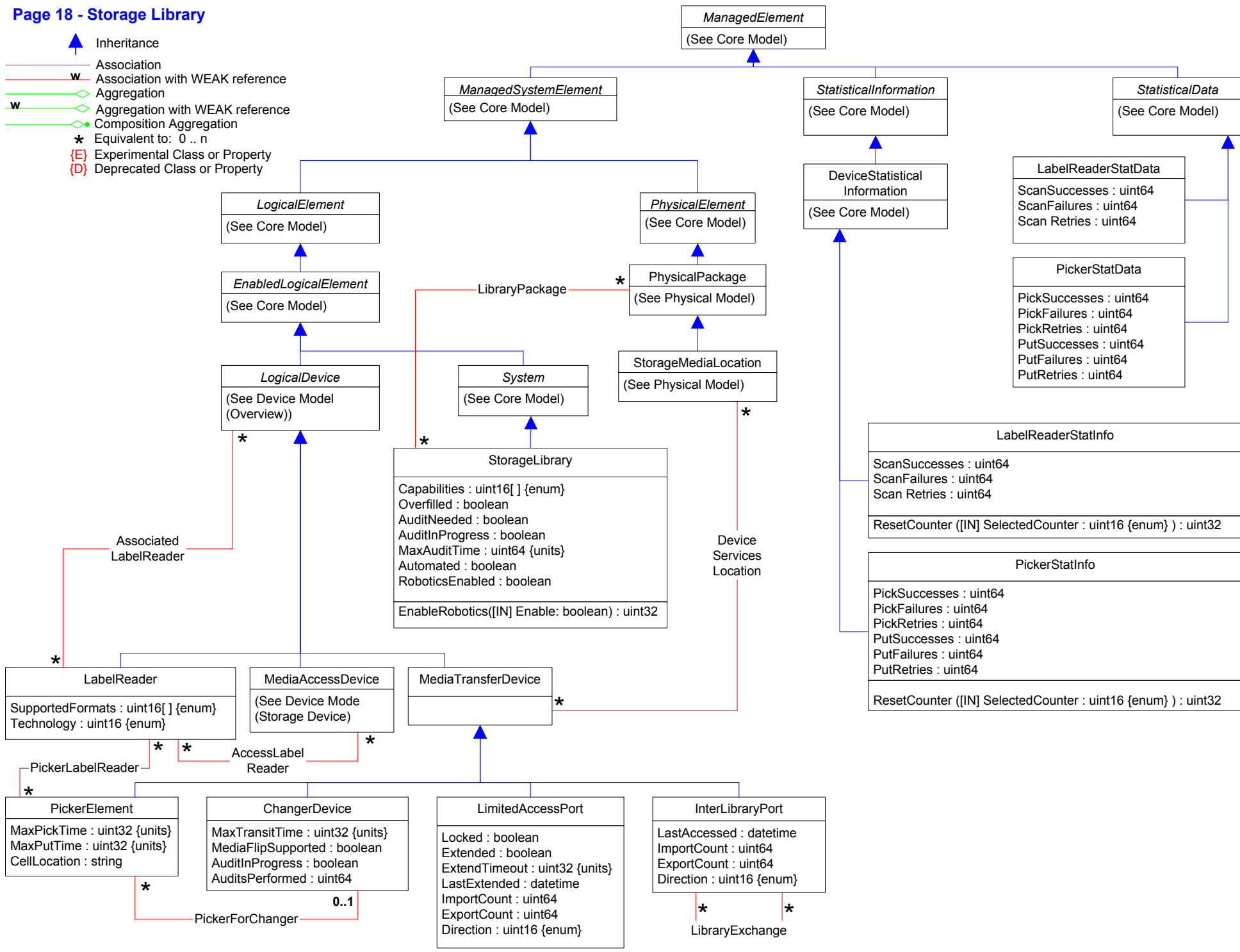


Page 17 - Storage Capabilities and Settings










- ▲ Inheritance
- Association
- w Association with WEAK reference
- ◇ Aggregation
- w◇ Aggregation with WEAK reference
- ◇ Composition Aggregation
- ★ Equivalent to: 0..n
- {E} Experimental Class or Property
- {D} Deprecated Class or Property

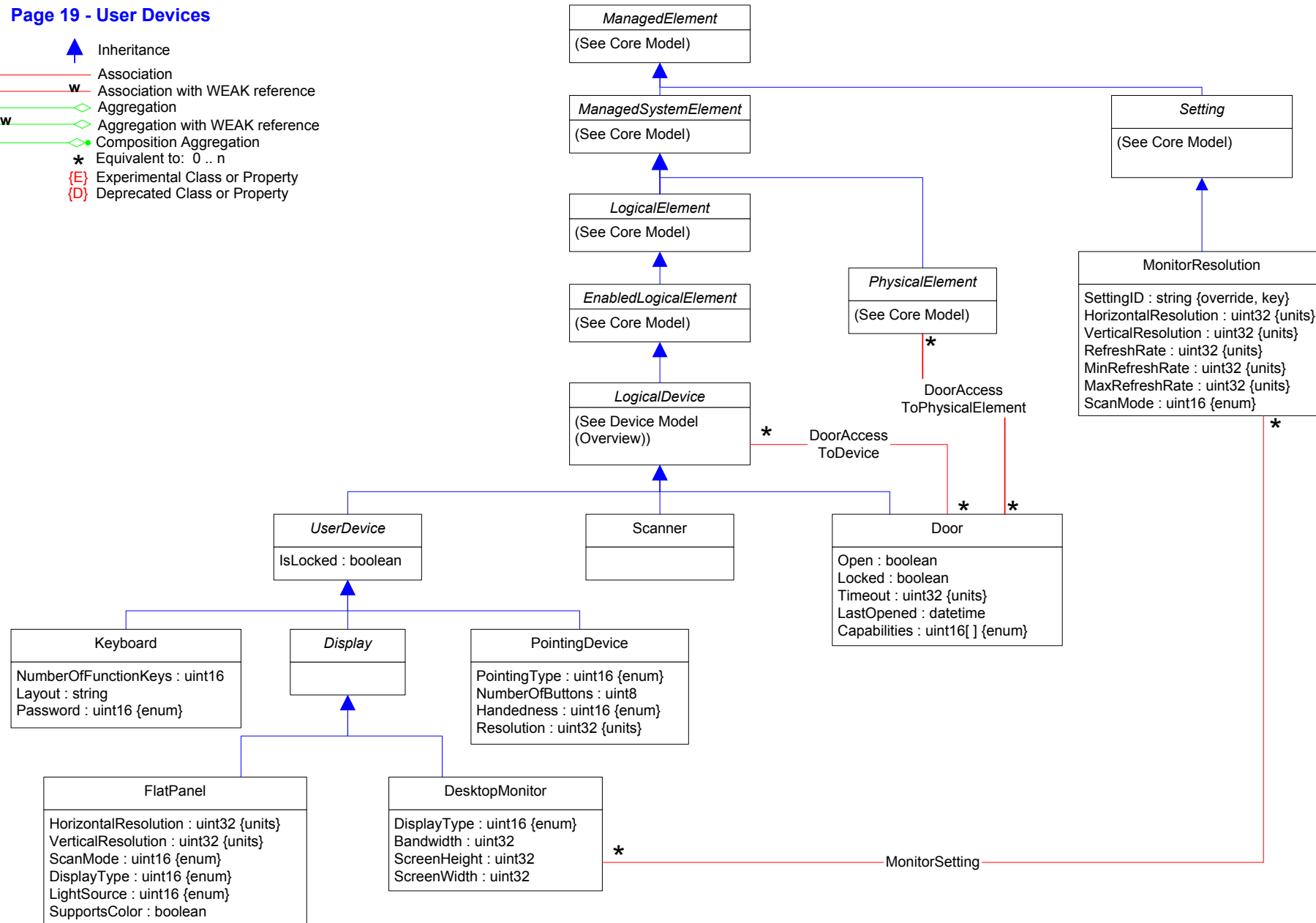


- ▲ Inheritance
- Association
- w Association with WEAK reference
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- w◇ Aggregation with WEAK reference
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- * Equivalent to: 0..n
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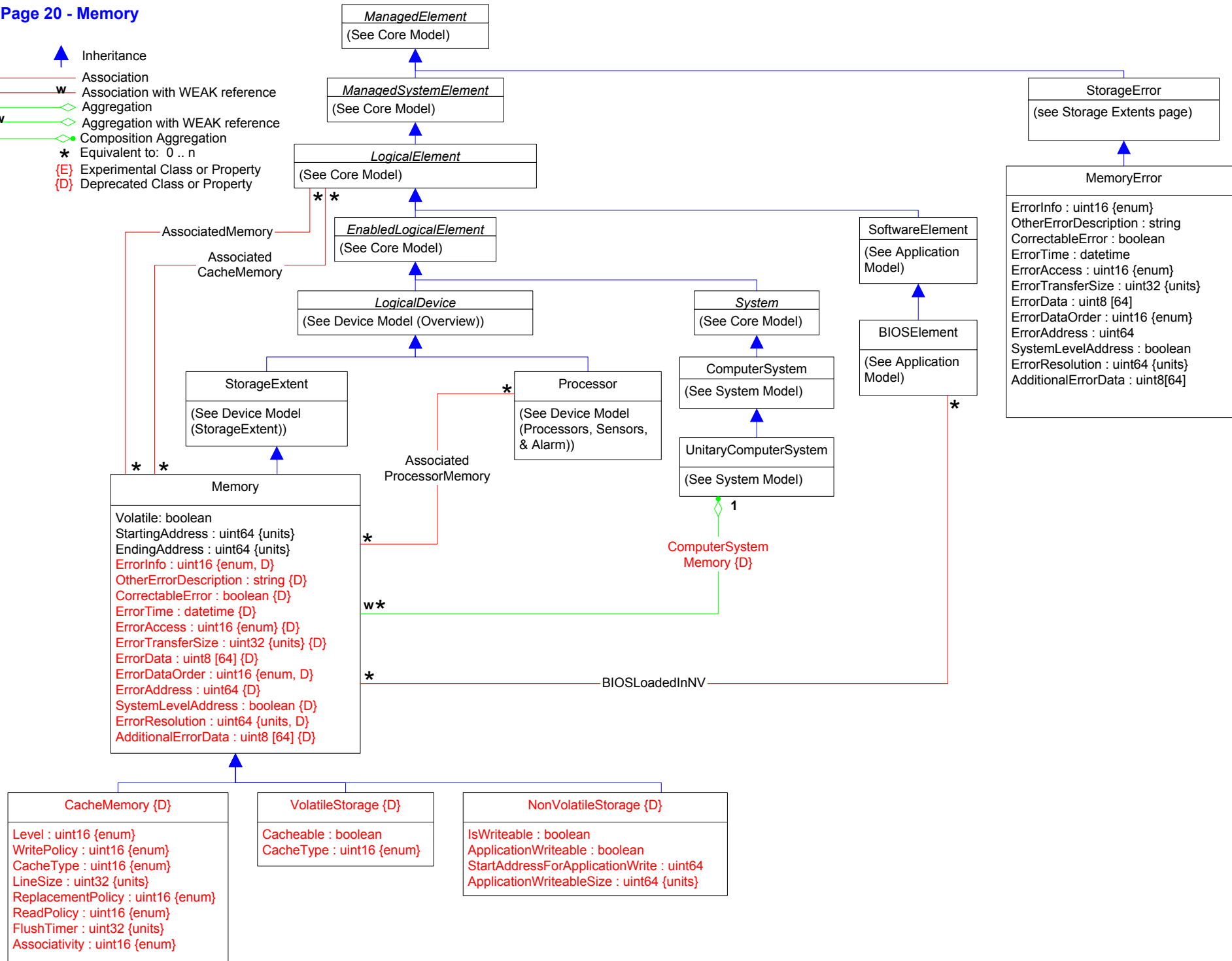











Page 19 - User Devices

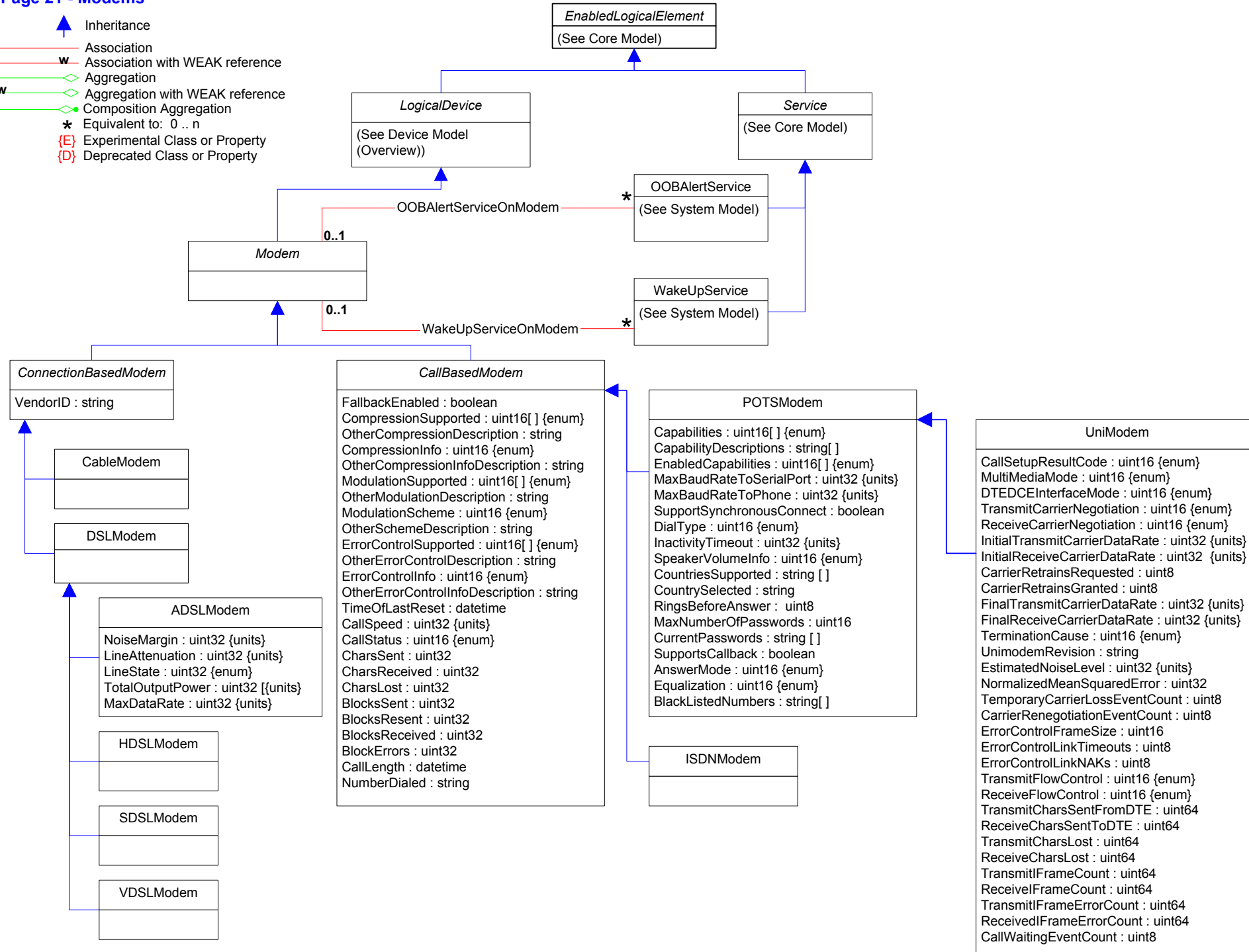
-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0 .. n
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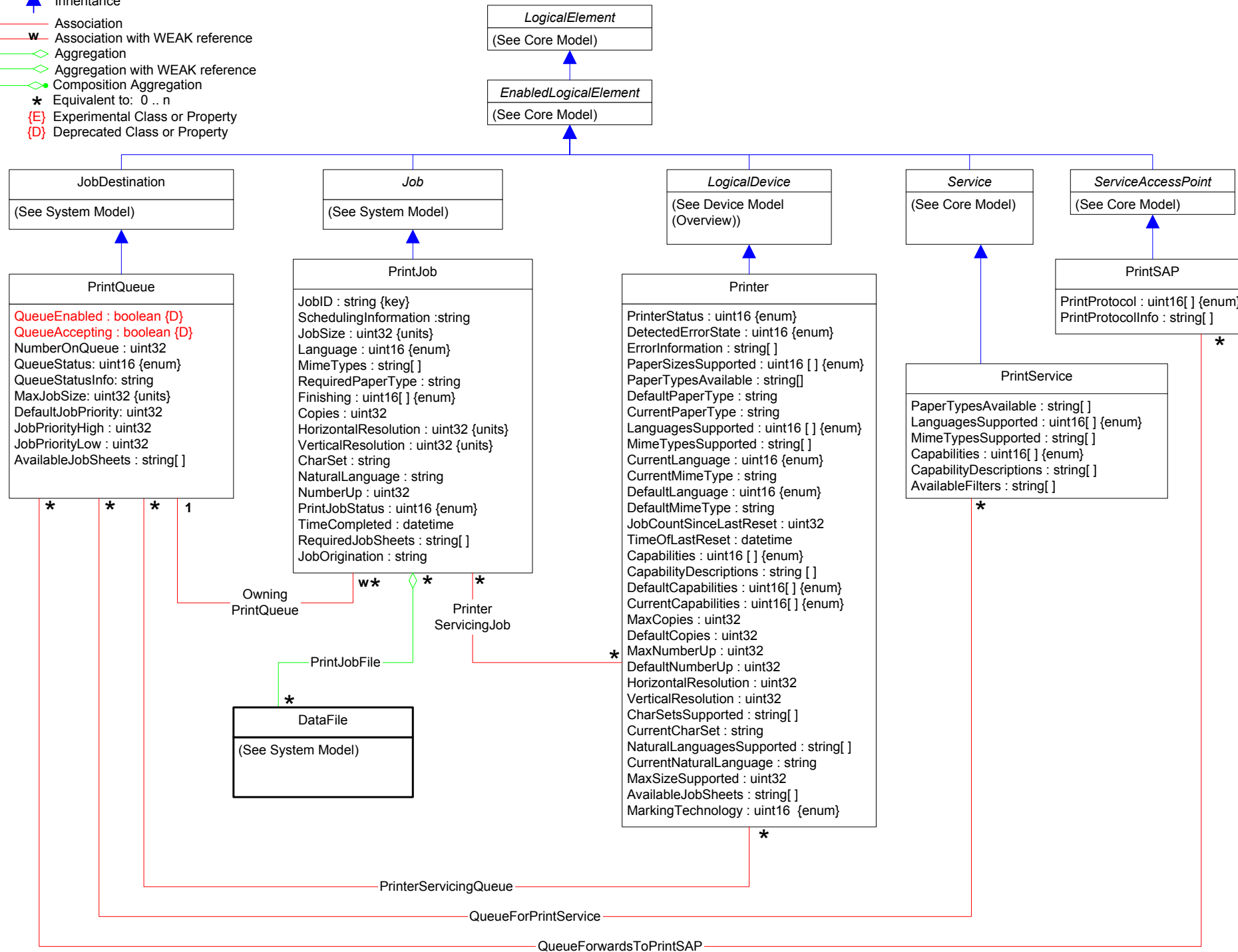
- ▲ Inheritance
- Association
- w Association with WEAK reference
- ◇ Aggregation
- w◇ Aggregation with WEAK reference
- ◇ Composition Aggregation
- * Equivalent to: 0..n
- {E} Experimental Class or Property
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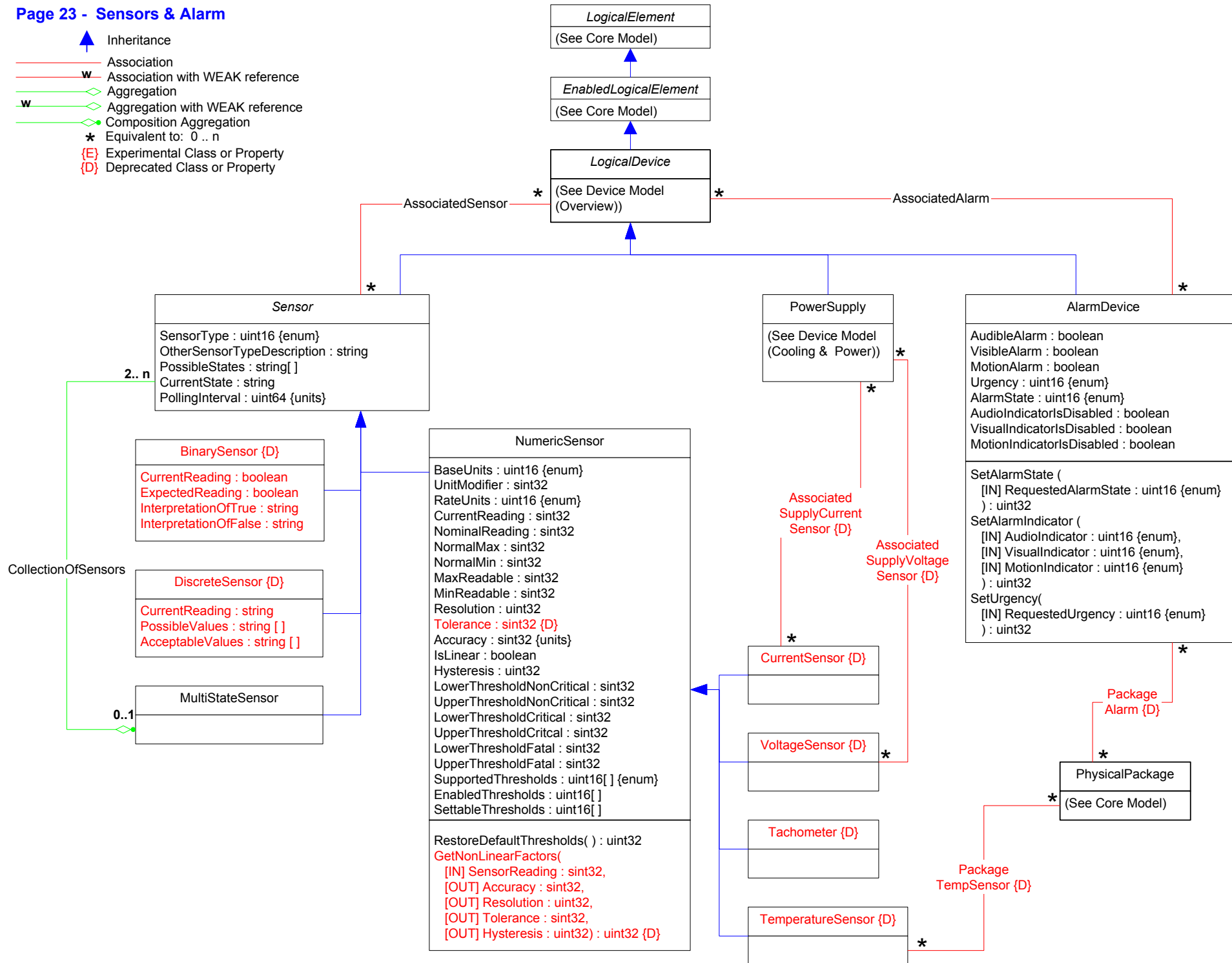
-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0..n
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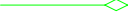

- ▲ Inheritance
- Association
- w Association with WEAK reference
- ◇ Aggregation
- w Aggregation with WEAK reference
- ◇ Composition Aggregation
- * Equivalent to: 0..n
- {E} Experimental Class or Property
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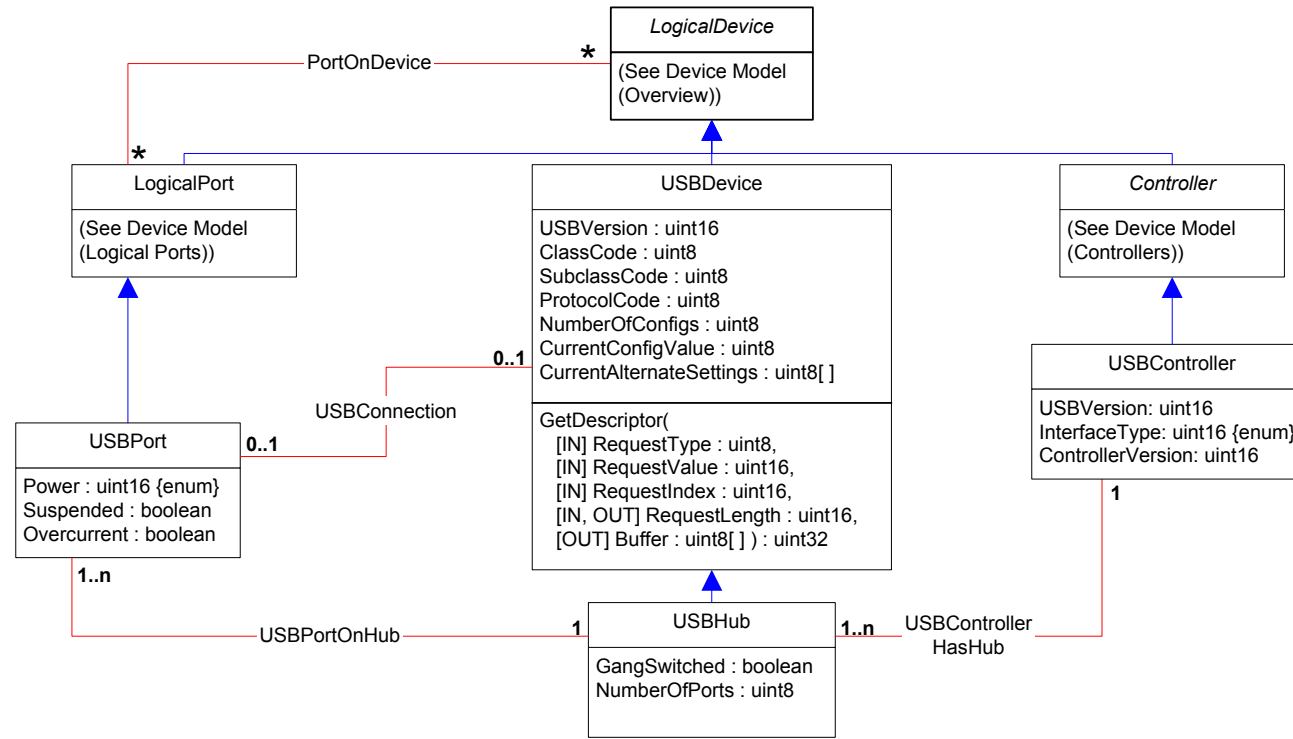


- ▲ Inheritance
- Association
- w Association with WEAK reference
- ◇ Aggregation
- w ◇ Aggregation with WEAK reference
- ◇ Composition Aggregation
- * Equivalent to: 0..n
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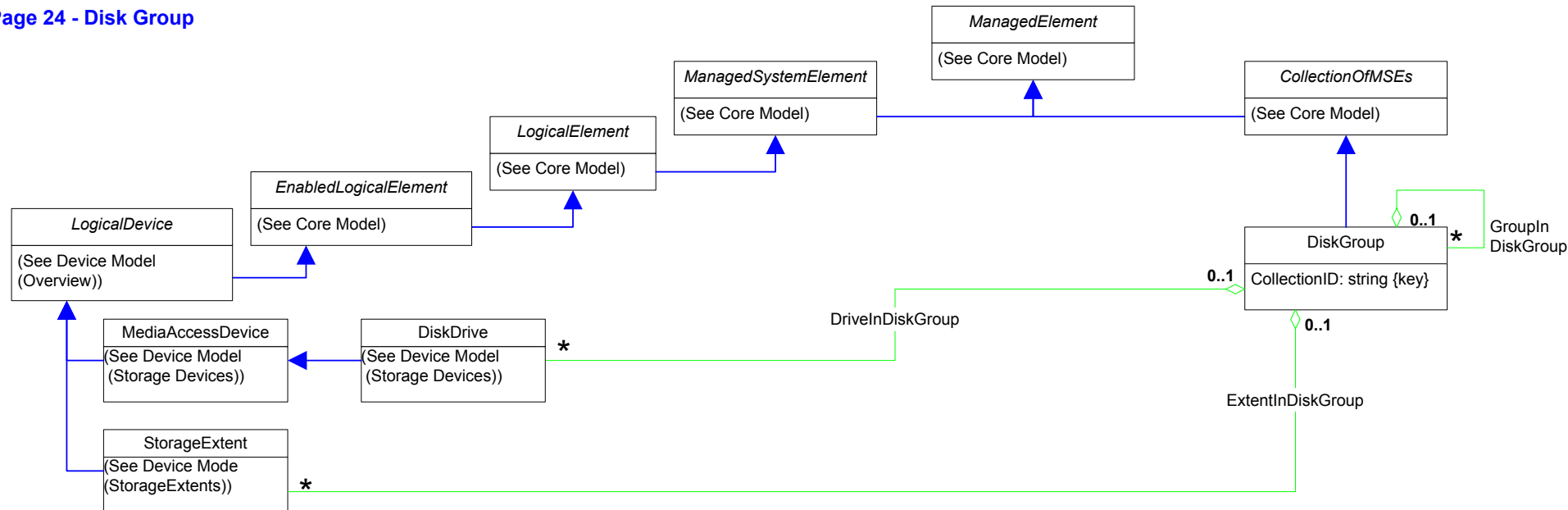


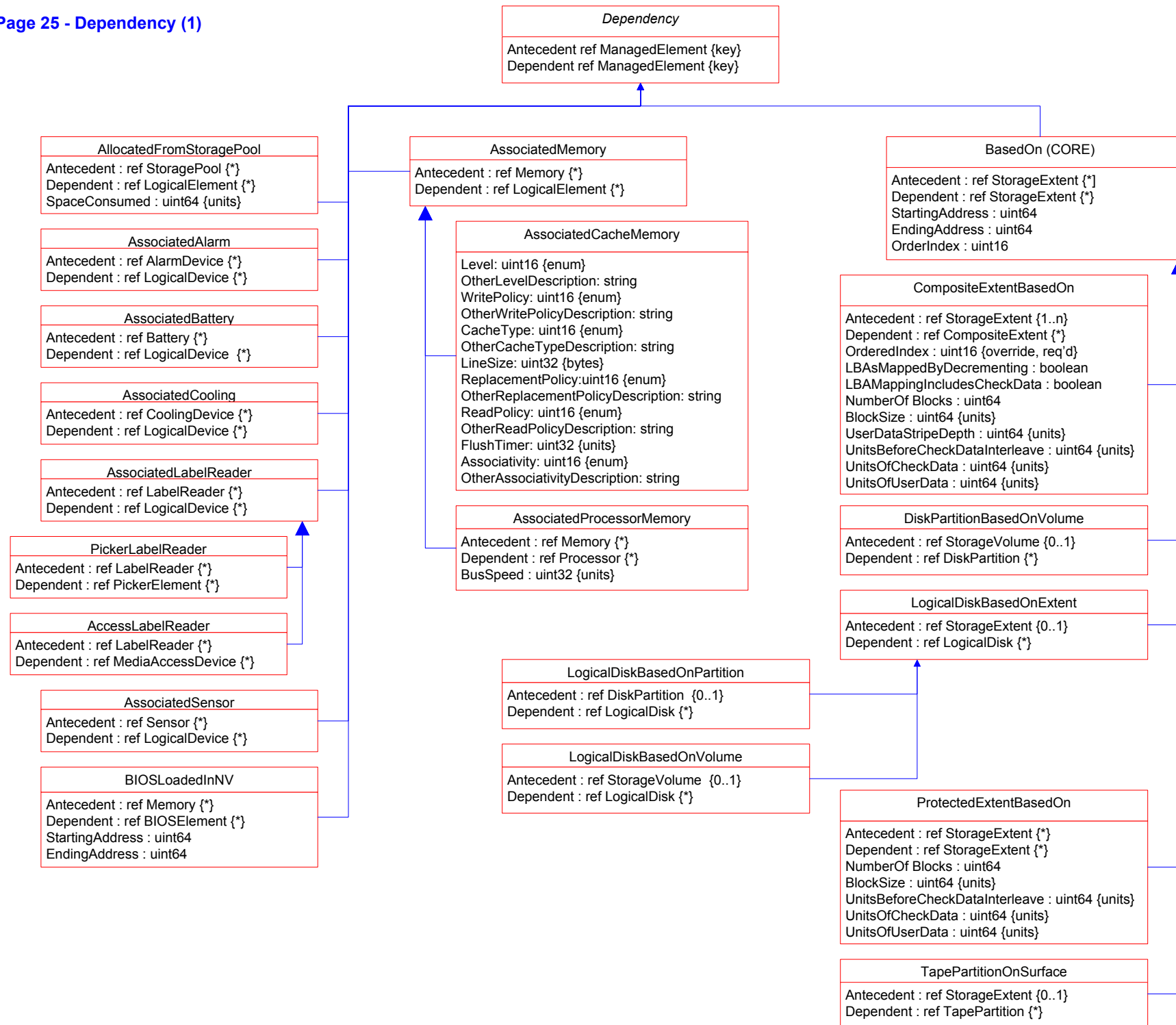
Page 24 - USB

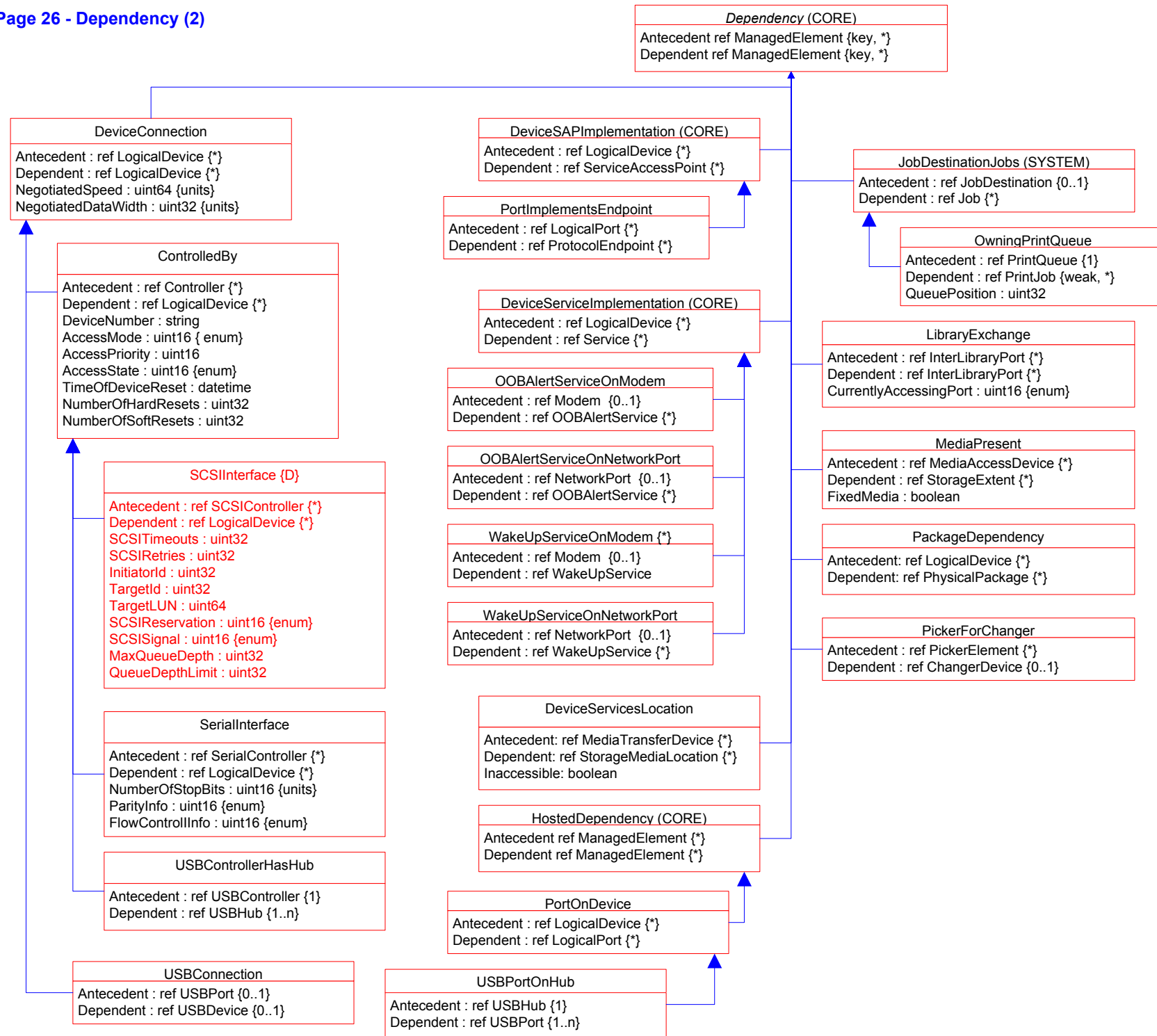
-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0..n

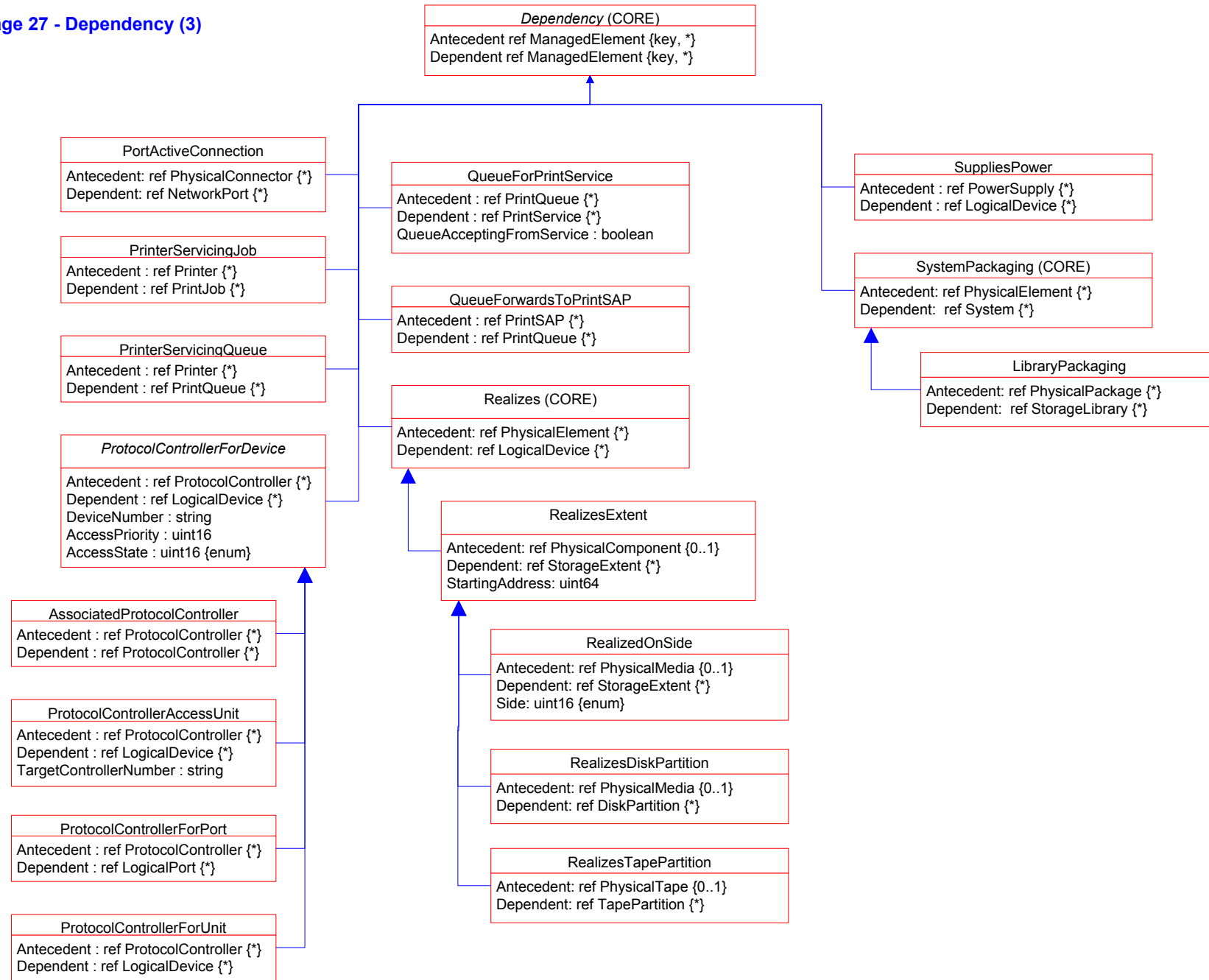


Page 24 - Disk Group

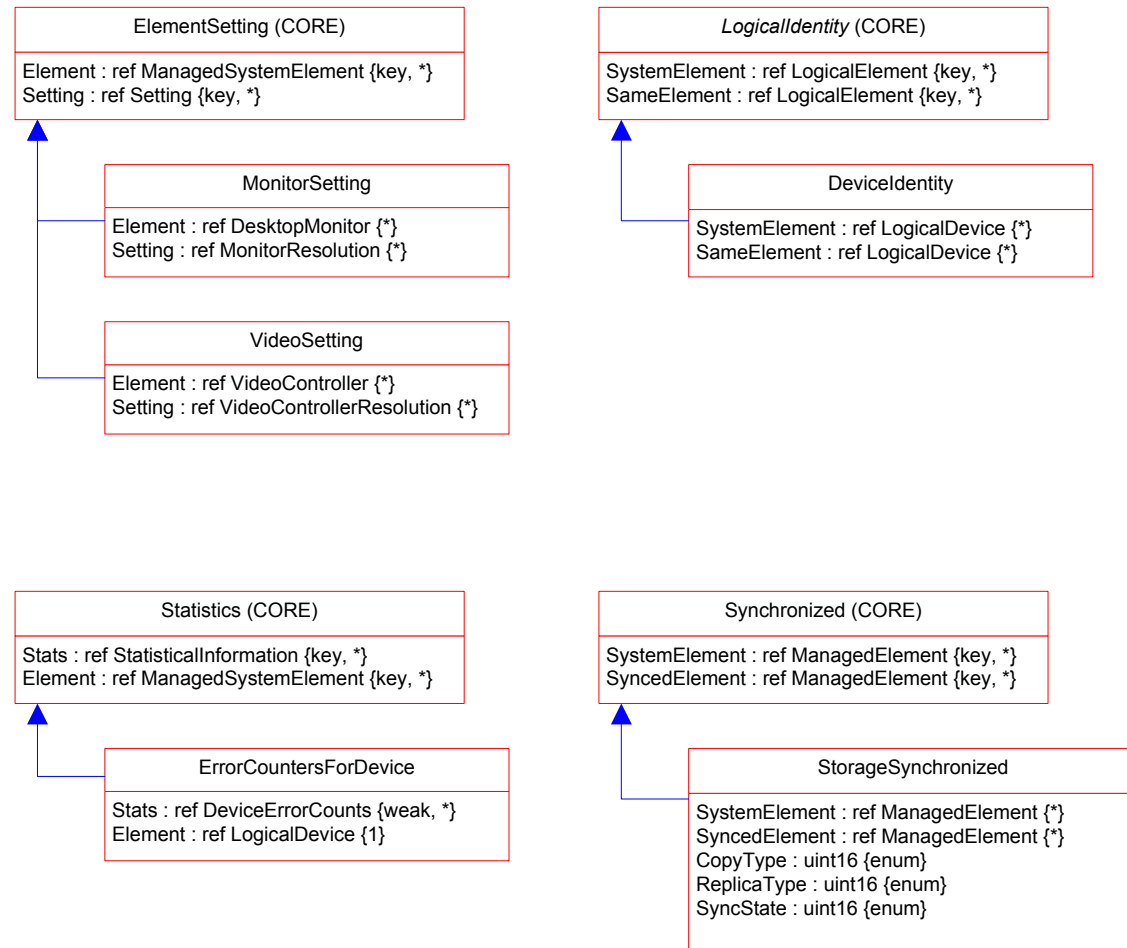


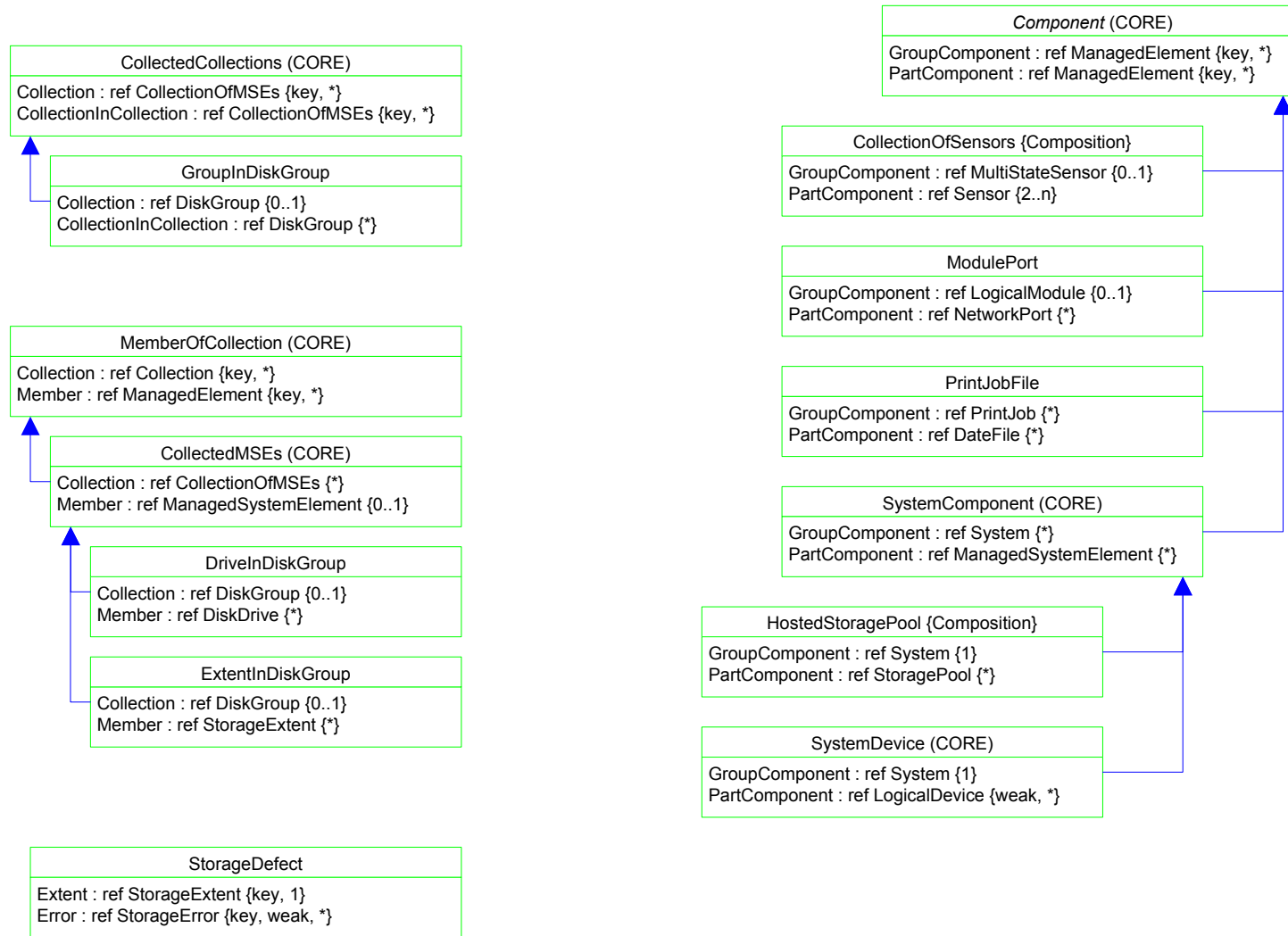


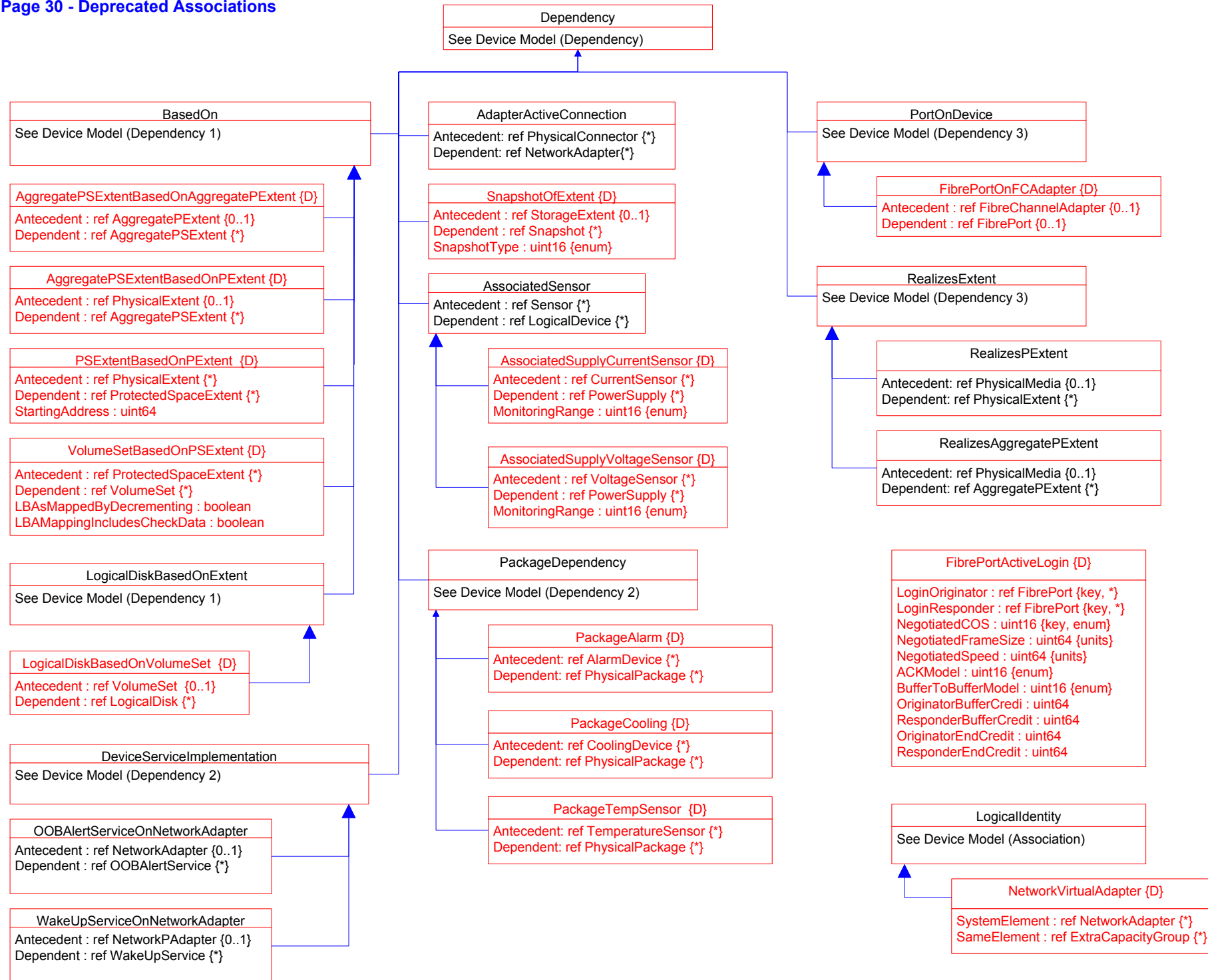




Page 28 - Association Hierarchy







Page 31 - Deprecated Aggregations

