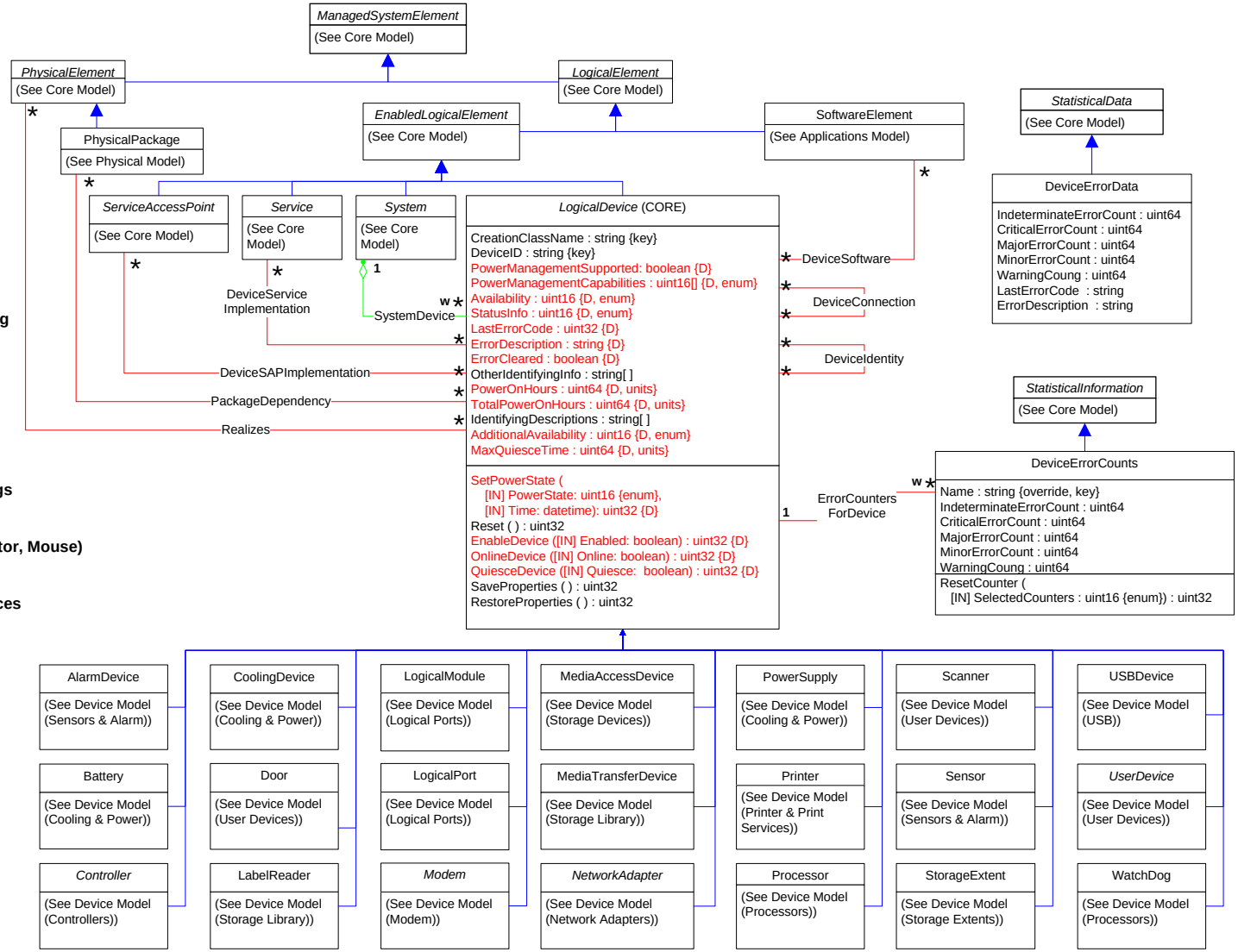
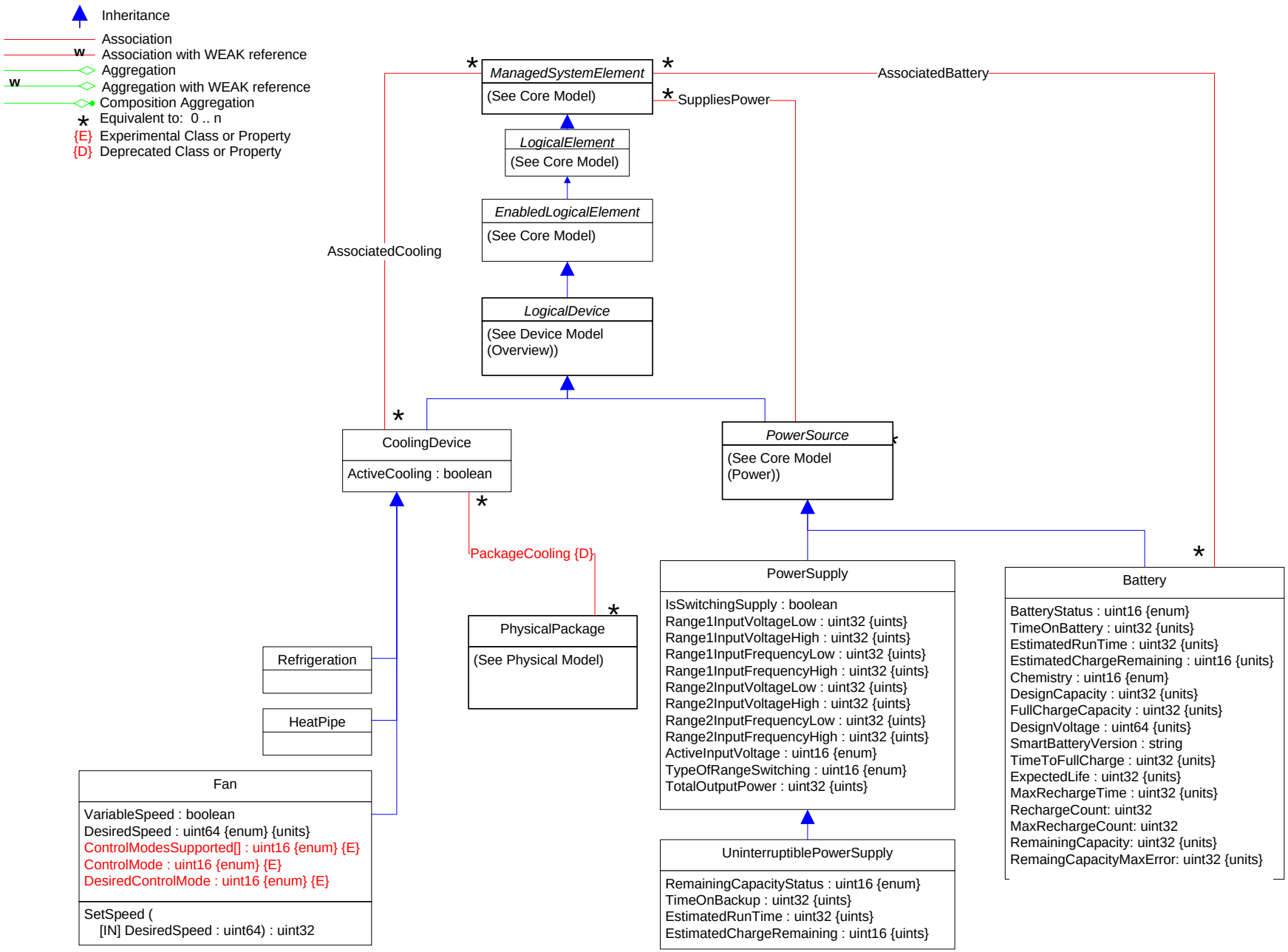
Title : Device Specification V2.16
Filename : CIM_Device.vsd
Author : DMTF Core Schema WG
Date : 02 August 2007

Page 1 - Overview
Page 2 - Cooling & Power
Page 3 - Processors
Page 4 – Controllers
Page 5 – Video Controllers
Page 6 - PCI Controllers
Page 7- Logical Ports
Page 8 – Ports 2
Page 9 - Logical Port Group
Page 10 - Protocol Controllers
Page 11 - Network Adapters
Page 12 - Fibre Channel
Page 13 - Fibre Channel Services & Zoning
Page 14 - InfiniBand
Page 15 - Storage Devices
Page 16 – StorageMultipath
Page 17 – StorageExtents
Page 18 - StorageExtents 2
Page 19 - StorageNameBinding
Page 20 - SCC Extent Model
Page 21 - Storage Services
Page 22 - Storage Capabilities and Settings
Page 23 - StorageStatistics
Page 24 - Storage Library
Page 25 - User Devices (Keyboards, Monitor, Mouse)
Page 26 - Memory
Page 27 - Modems
Page 28 - Printers, Print Jobs, Print Services
Page 29 – Printer (2)
Page 30 - Sensors & Alarm
Page 31 - USB & Disk Group
Page 32 – Device Sharing
Page 33 - LED
Page 33 - Dependency (1) [A - Ba]
Page 34 - Dependency (2) [D - Pi]
Page 35 - Dependency (3) [Po - S]
Page 36 - Association Hierarchy
Page 37 - Aggregation Hierarcy
Page 38 - Association Deprecation
Page 39 - Aggregation Deprecation

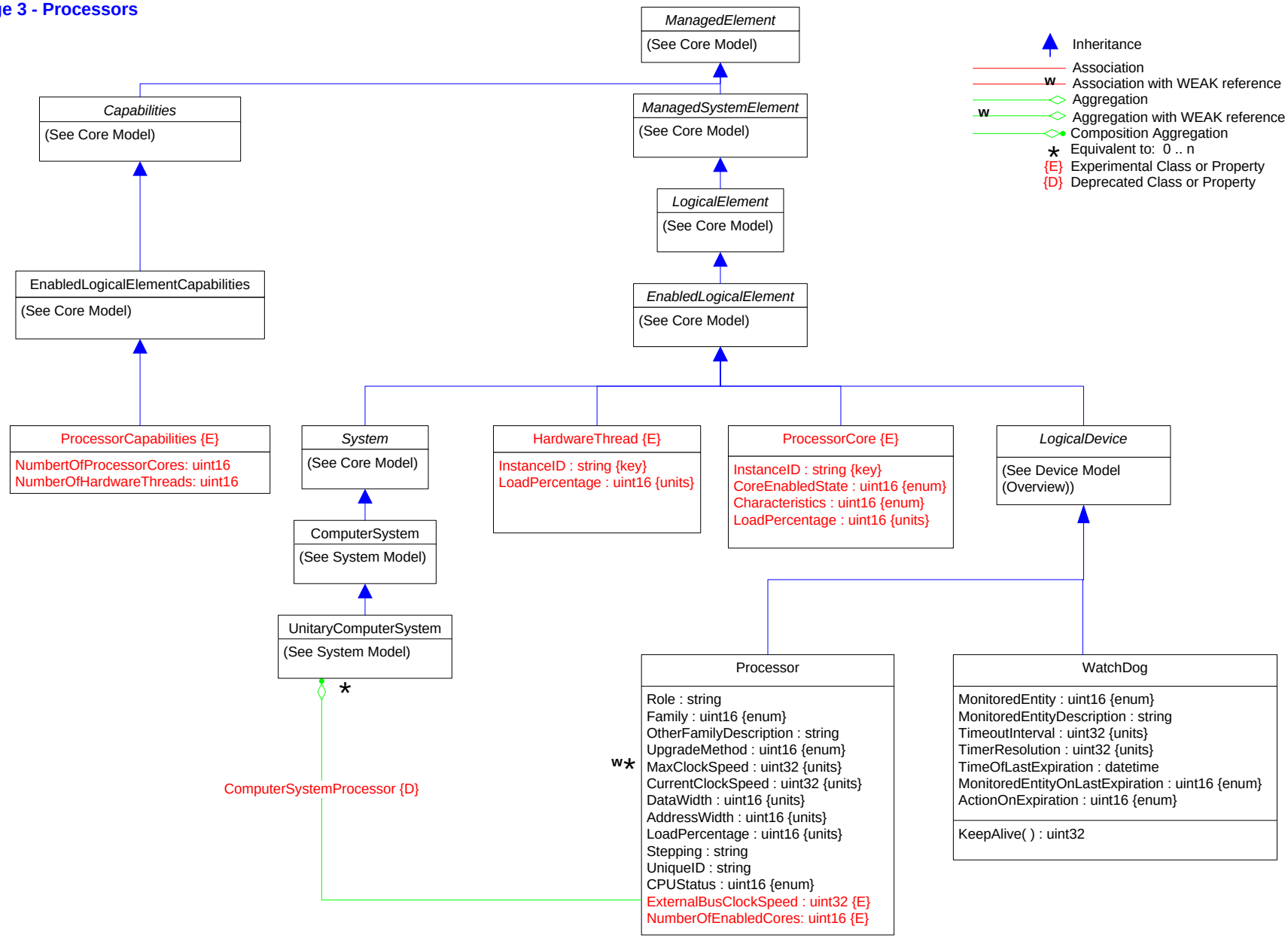
Inheritance
Association
w Association with WEAK reference
Aggregation
w Aggregation with WEAK reference
Composition Aggregation
* Equivalent to: 0 .. n
{E} Experimental Class or Property
{D} Deprecated Class or Property



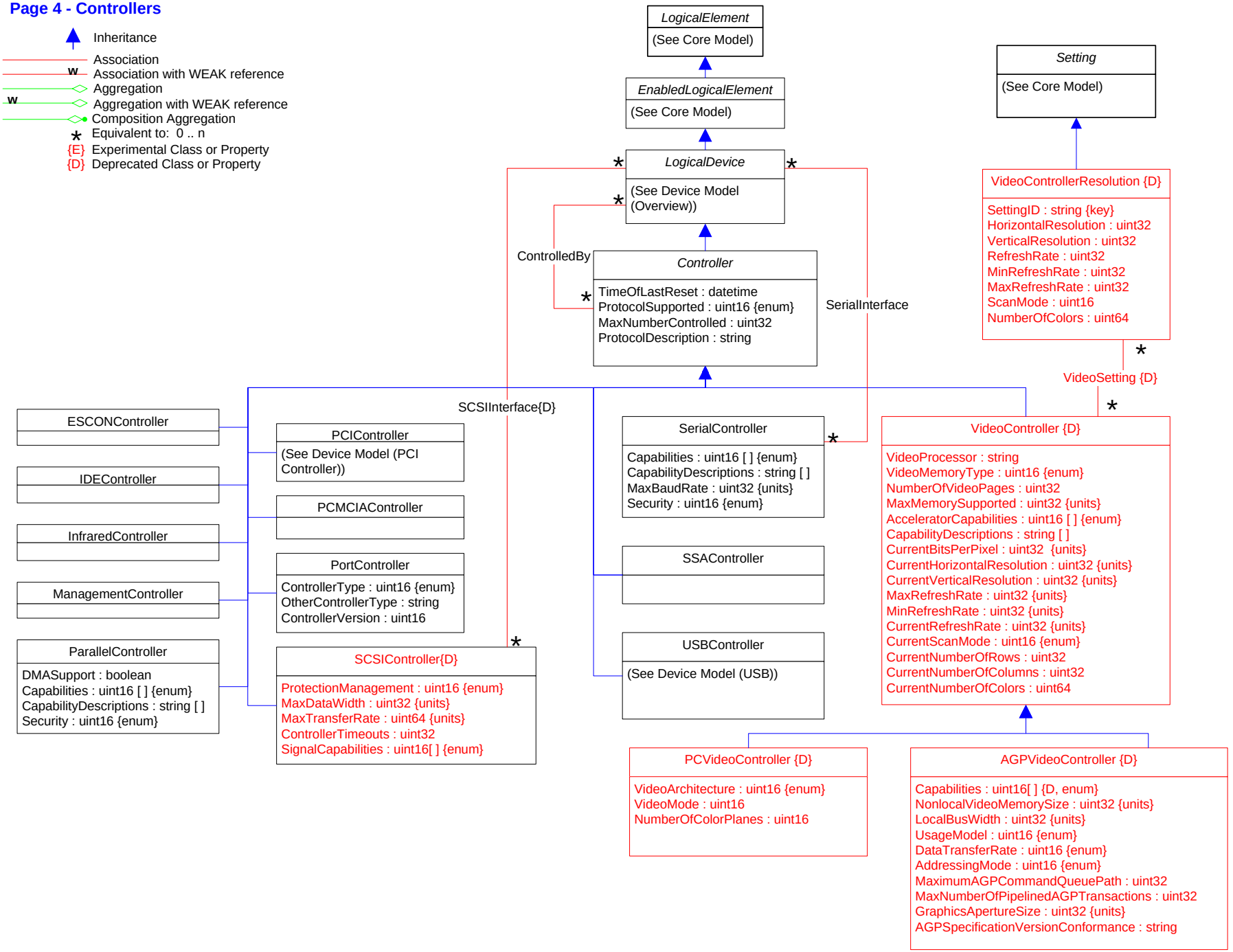
Page 2 - Cooling & Power



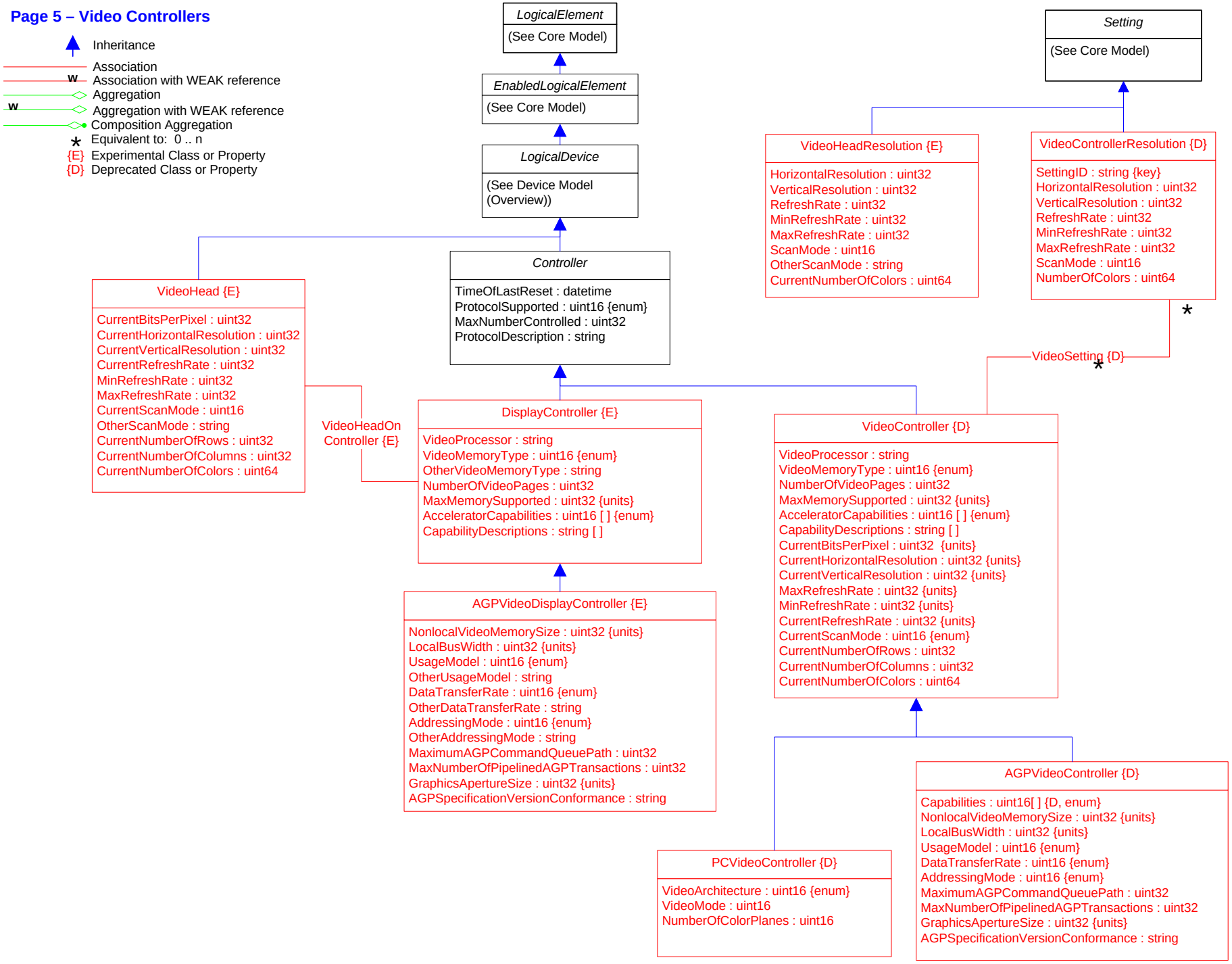
Page 3 - Processors



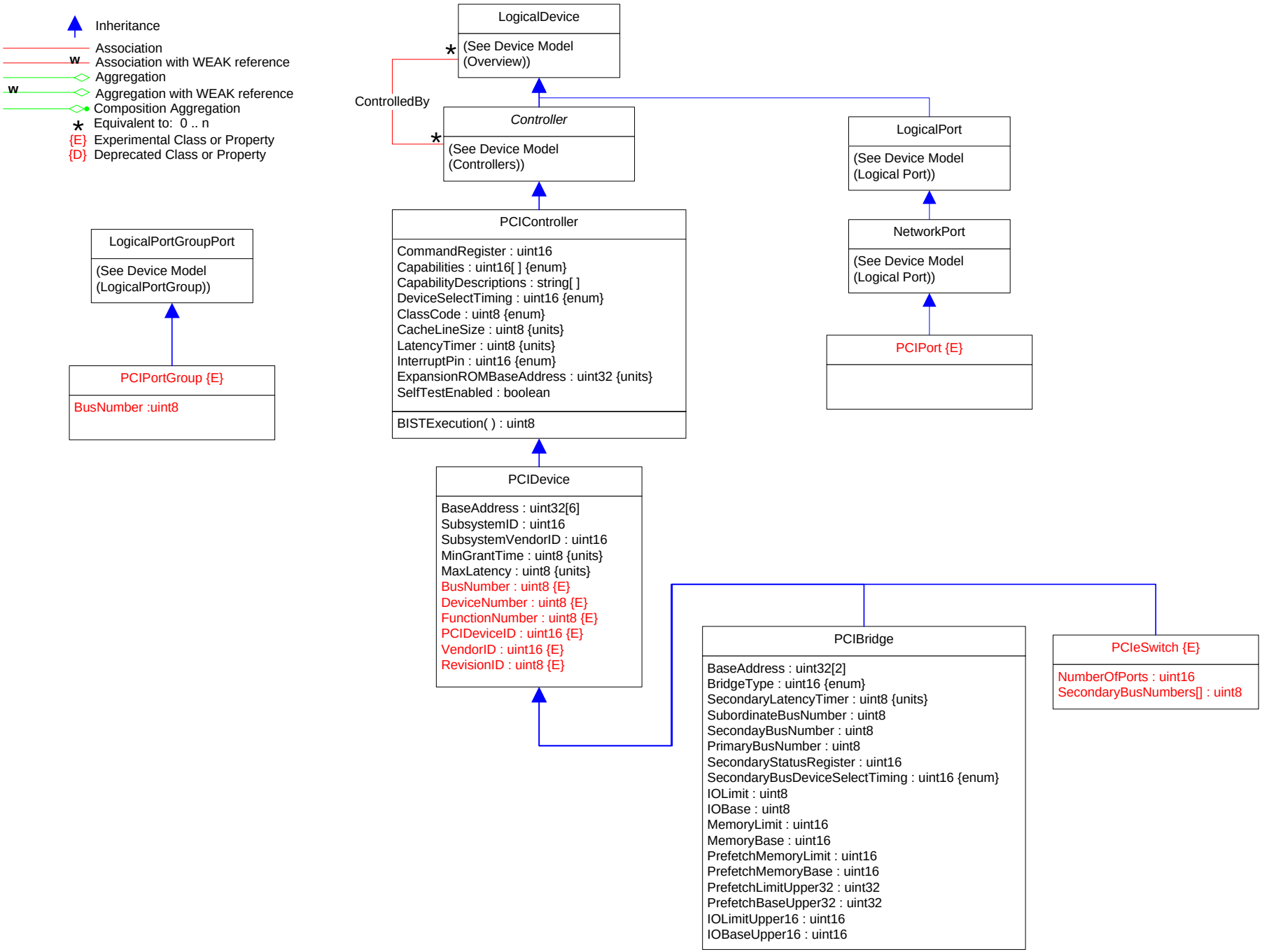
Page 4 - Controllers



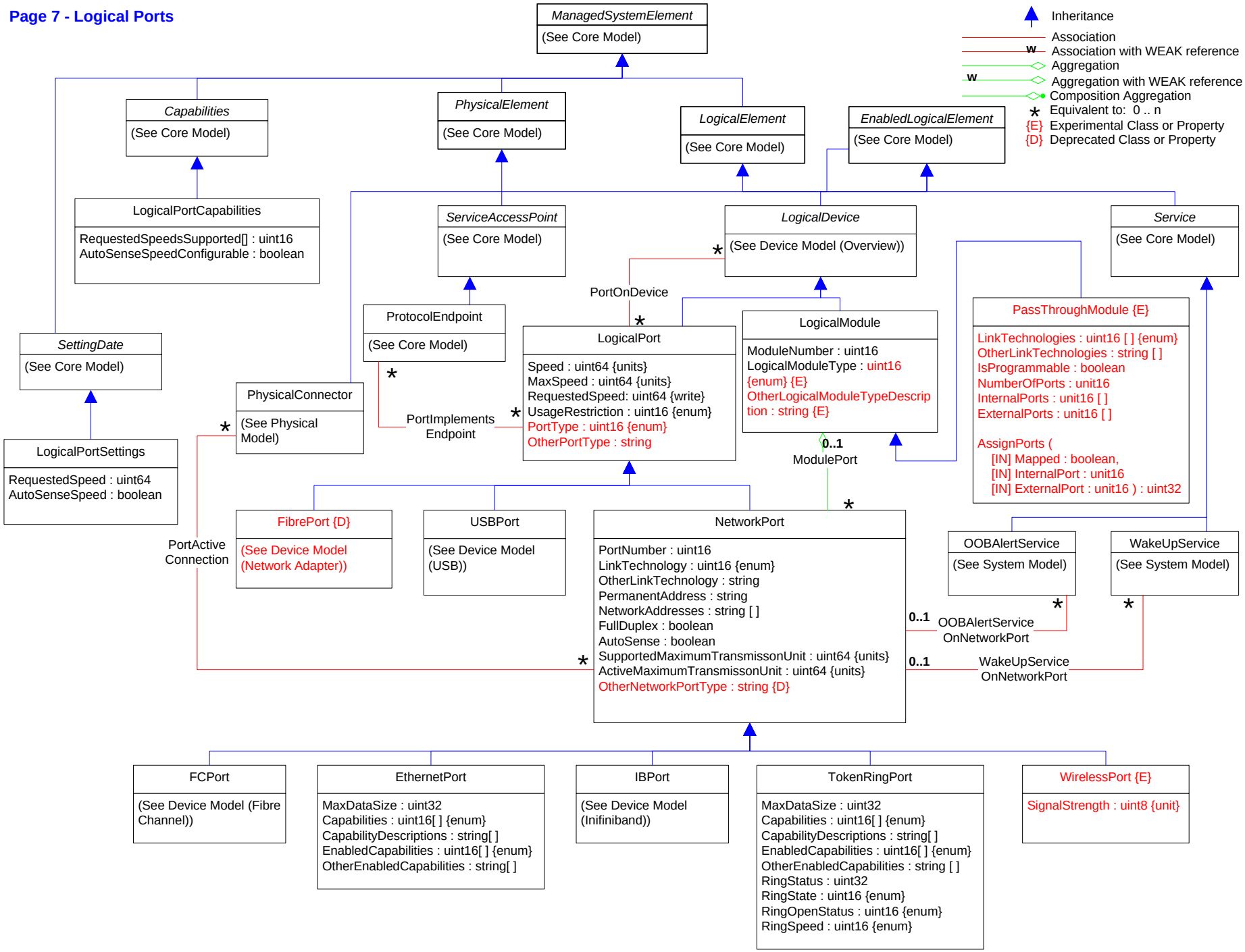
Page 5 – Video Controllers



Page 6 - PCI Controllers

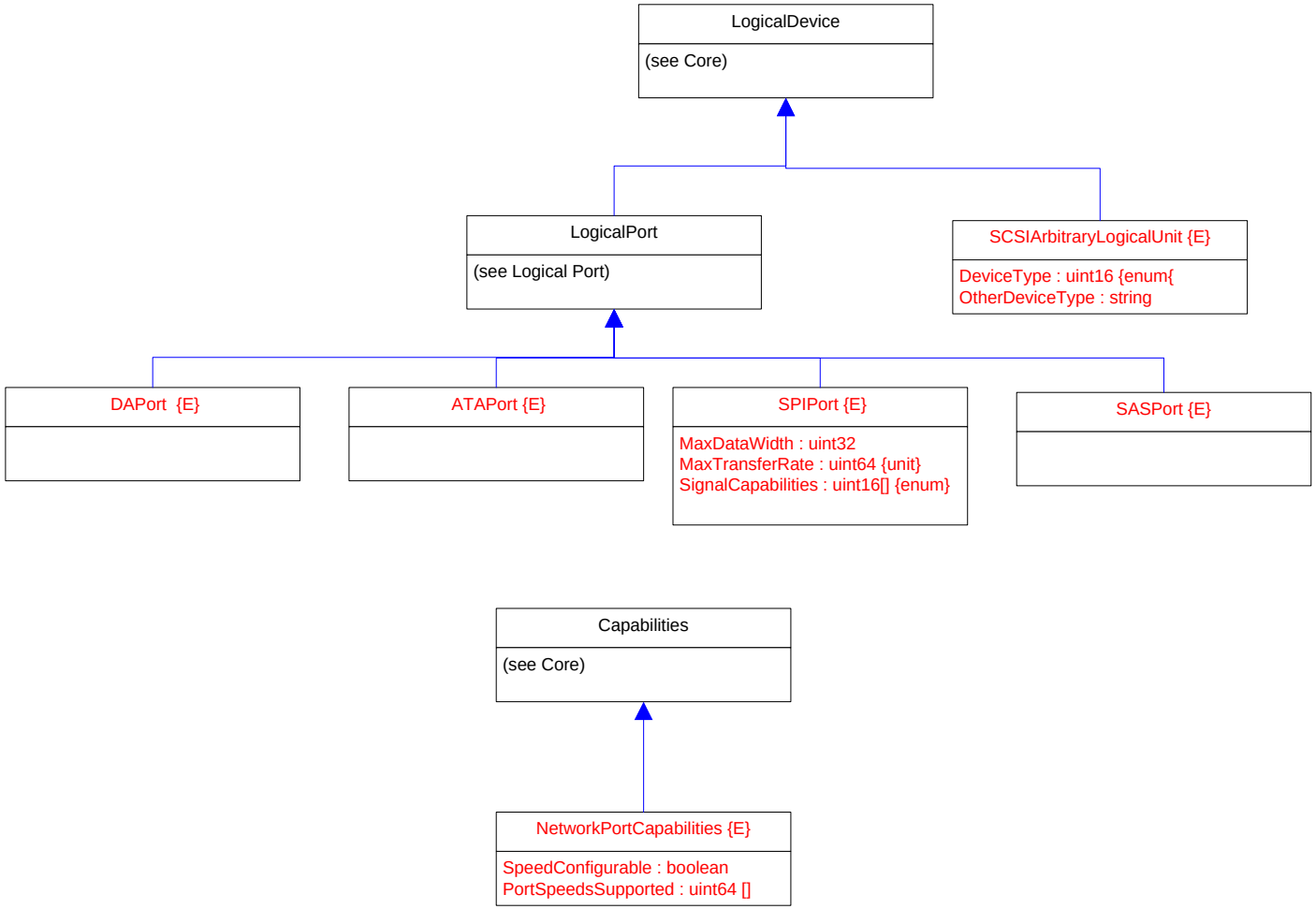


Page 7 - Logical Ports

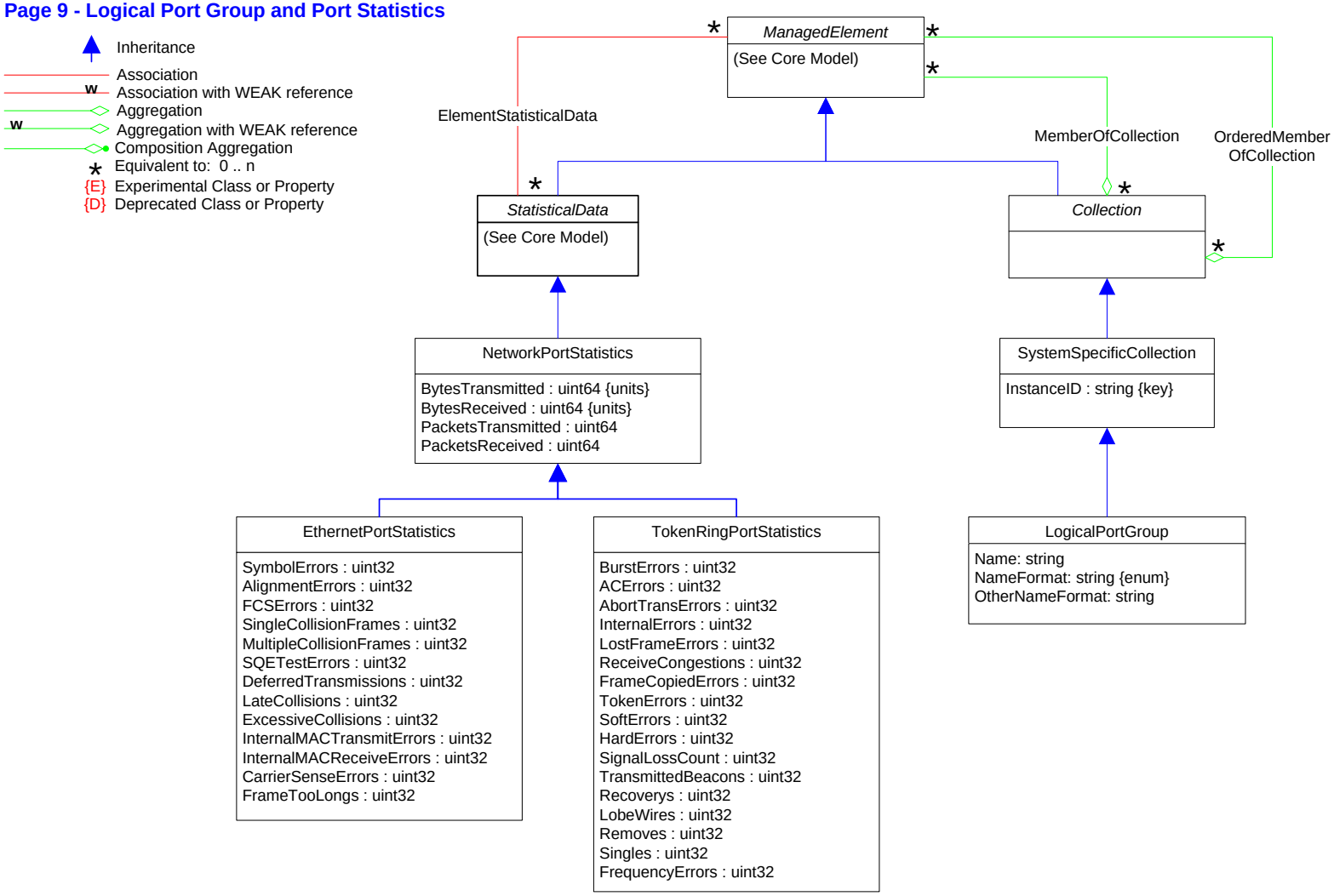


Page 8 – Ports 2

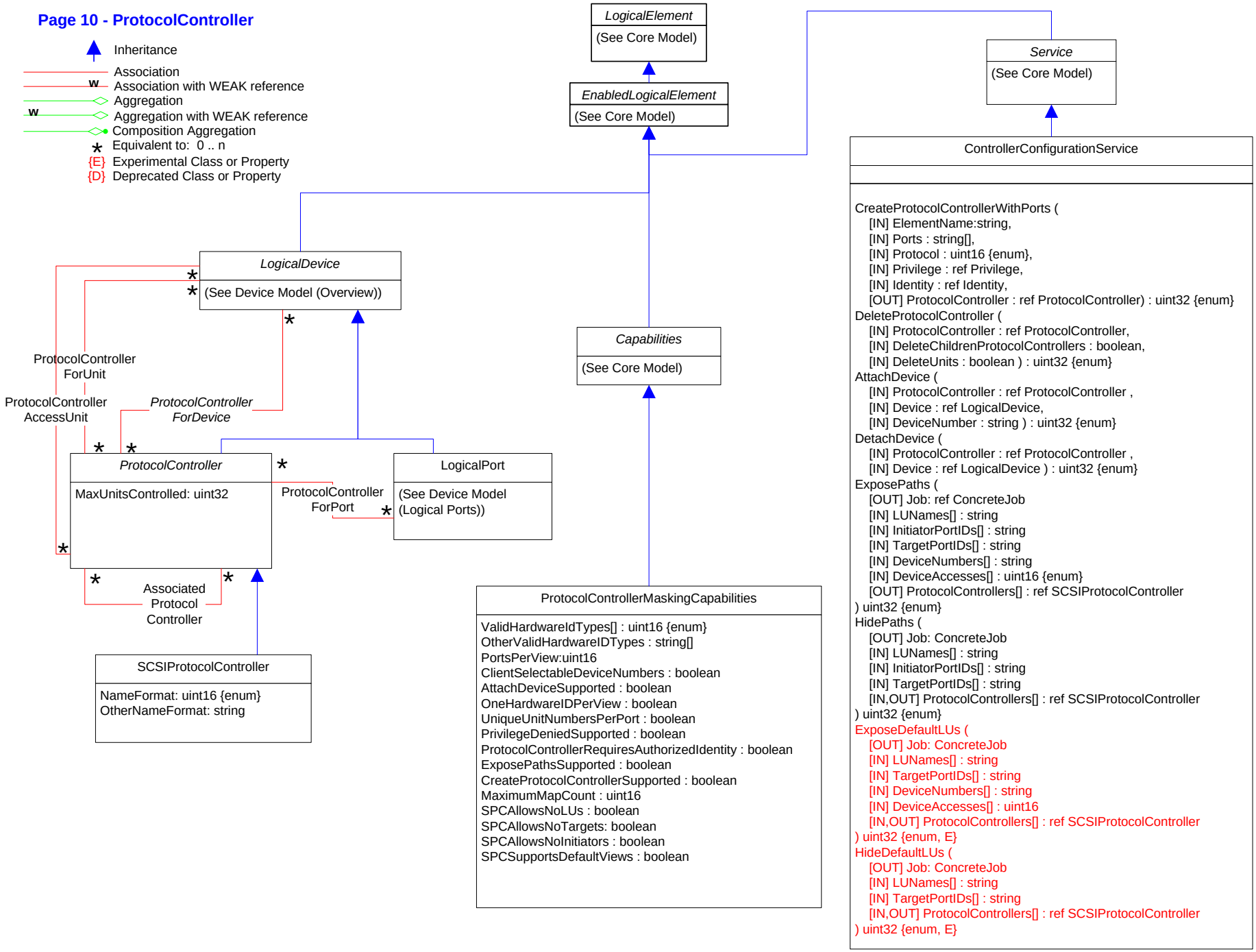
Inheritance
Association
W Association with WEAK reference
Aggregation
W Aggregation with WEAK reference
Composition Aggregation
* Equivalent to: 0 .. n
{E} Experimental Class or Property
{D} Deprecated Class or Property



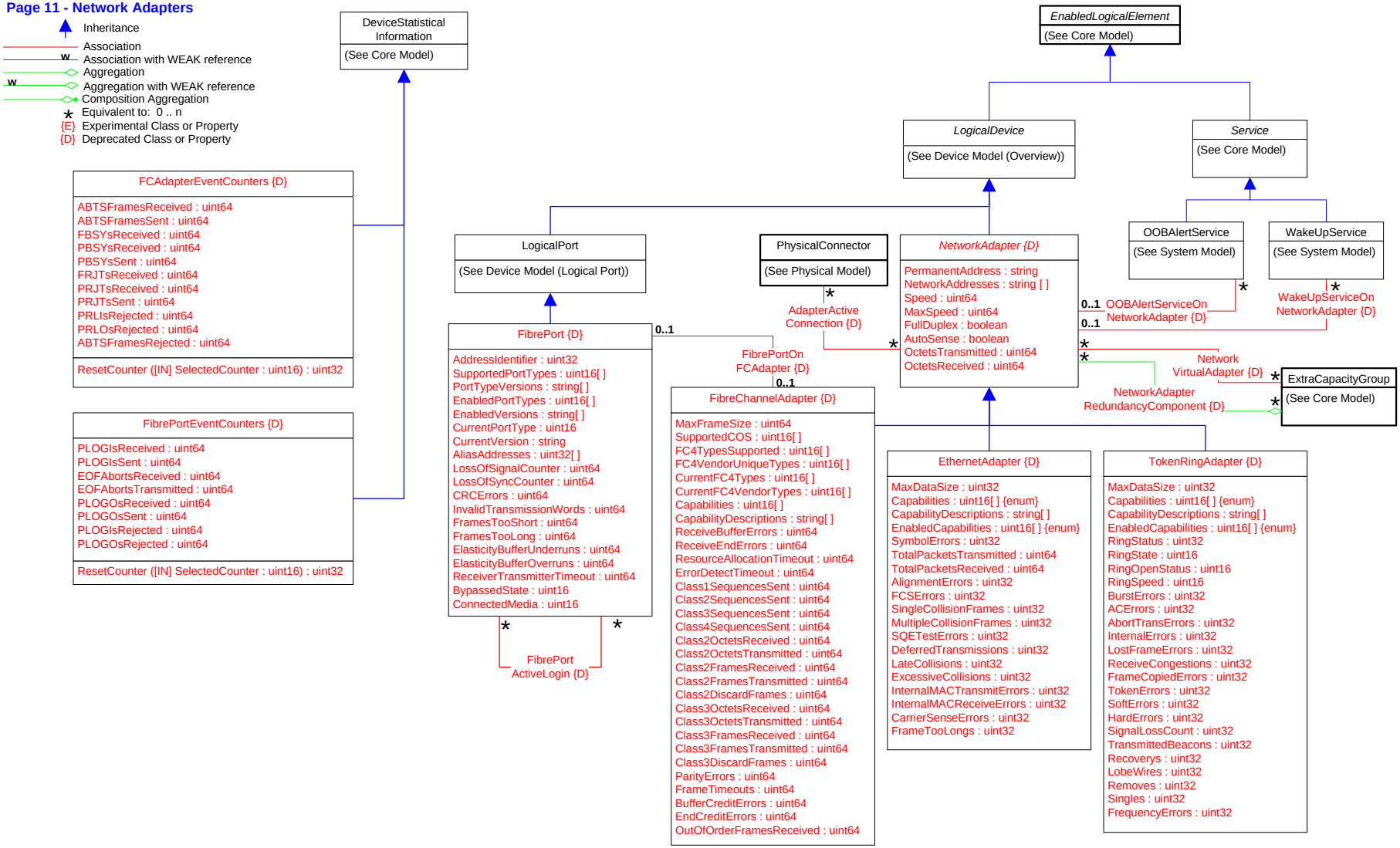
Page 9 - Logical Port Group and Port Statistics



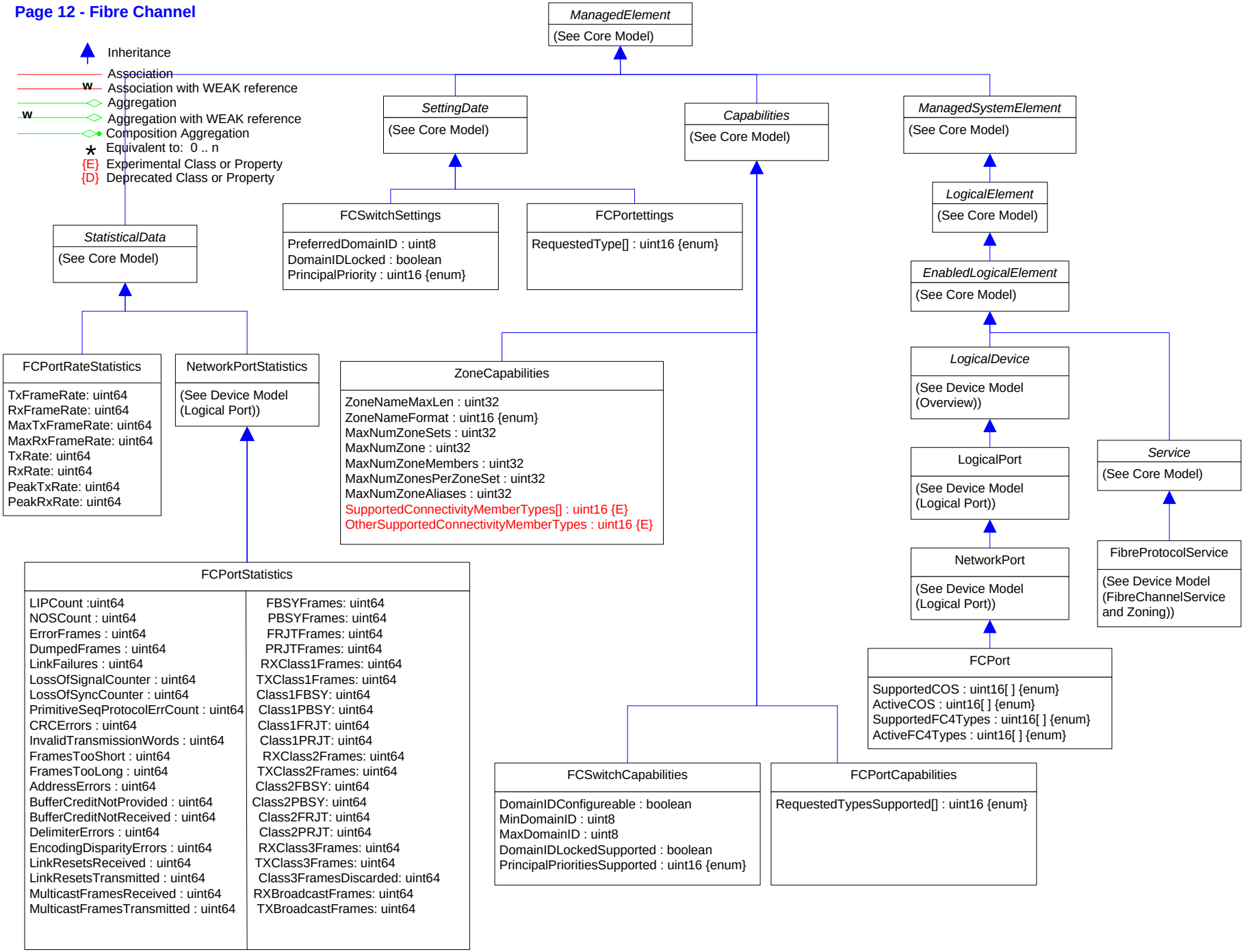
Page 10 - ProtocolController



Page 11 - Network Adapters

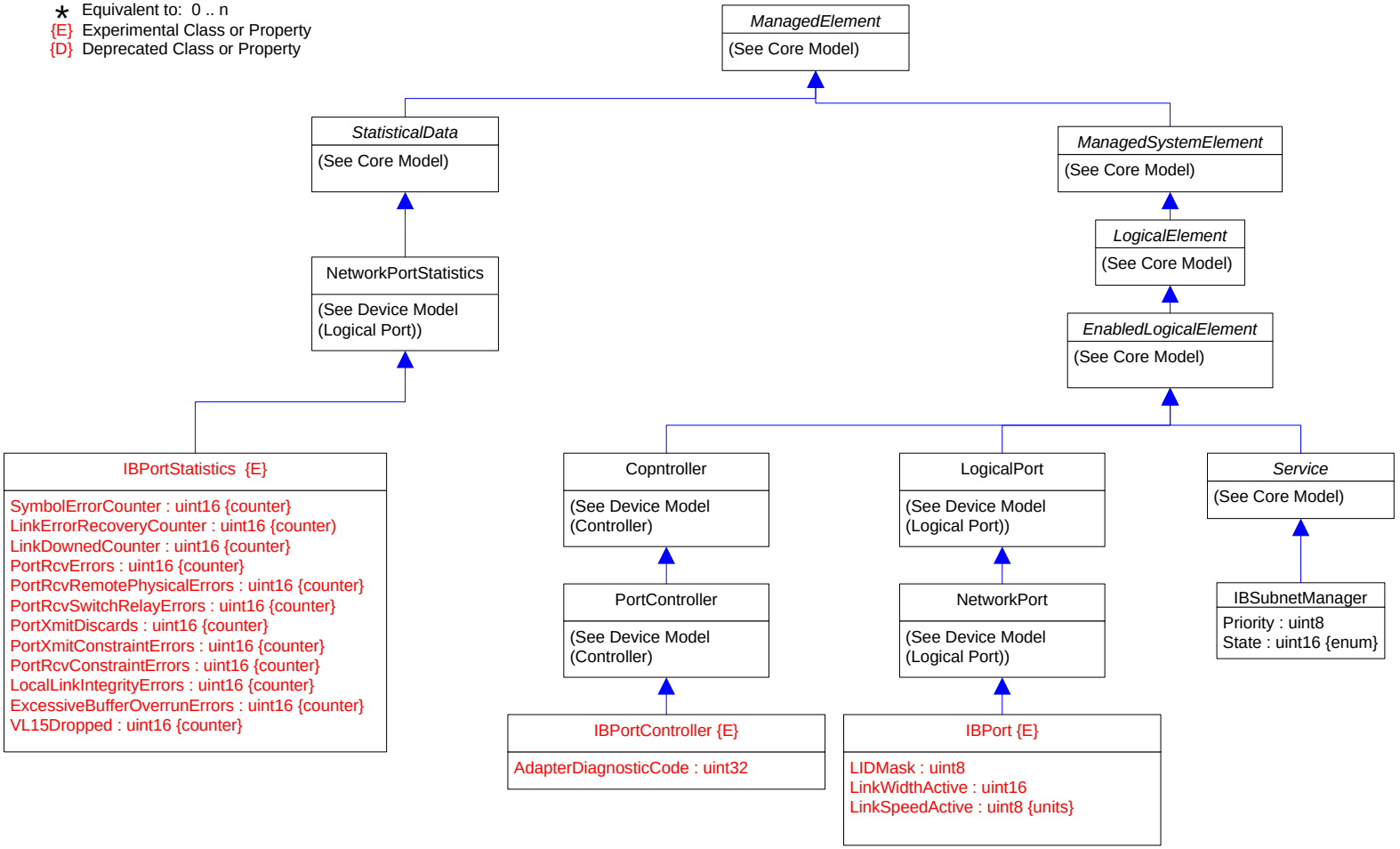


Page 12 - Fibre Channel

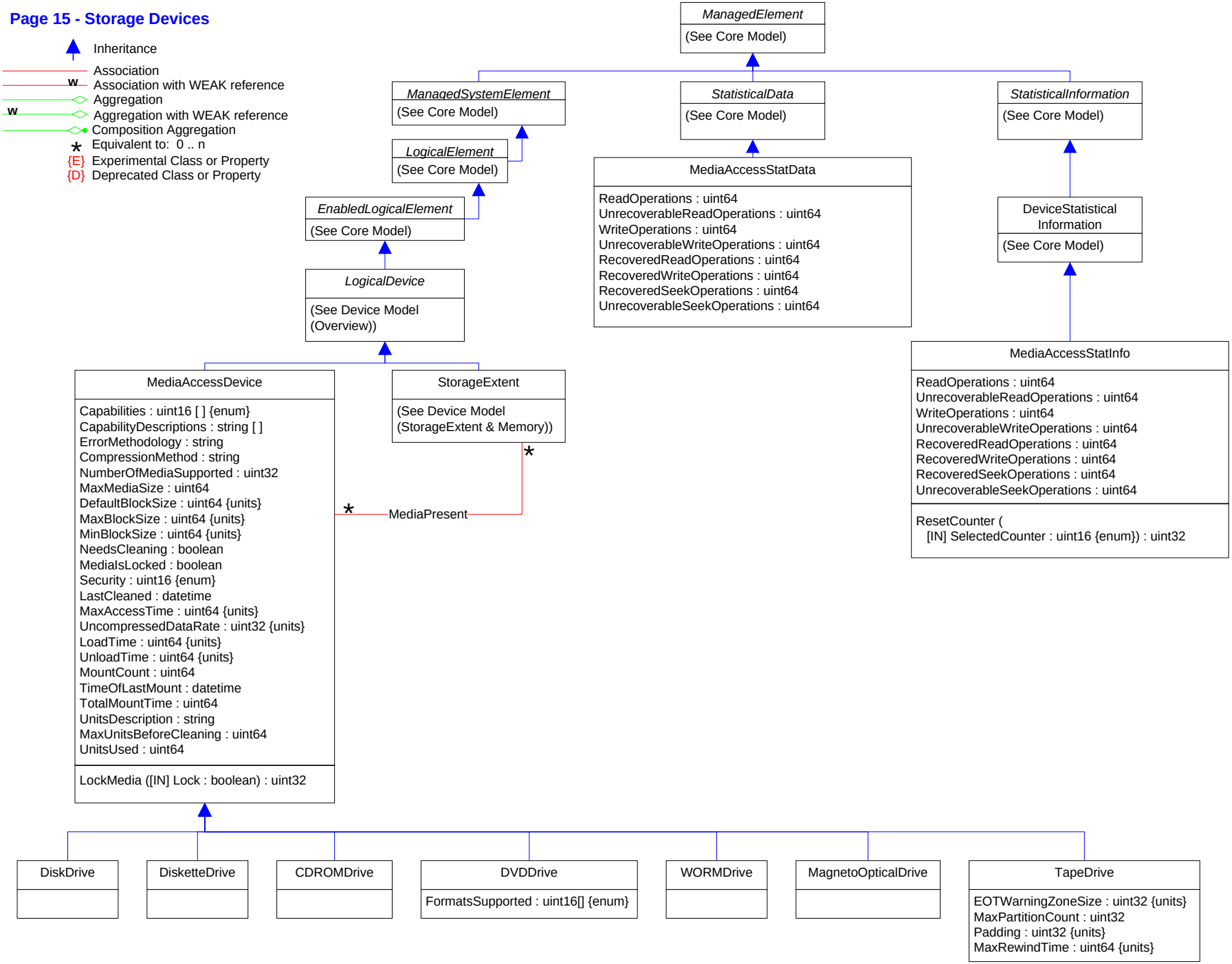


Page 14 - Infiniband

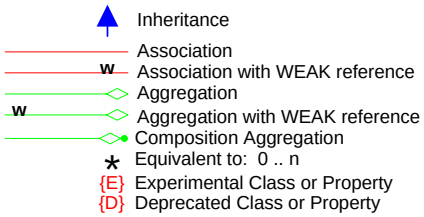
Inheritance
Association
W Association with WEAK reference
Aggregation
W Aggregation with WEAK reference
Composition Aggregation
* Equivalent to: 0 .. n
{E} Experimental Class or Property
{D} Deprecated Class or Property



Page 15 - Storage Devices



Page 16 - Storage Mutipath



SystemSpecificCollection
(See Core Model)

SCSITargetPortGroup {E}

AccessState : uint16 {enum}
SupportsLuAssignment : boolean
ExplicitFailover : boolean
Preferred : boolean
Identifier : uint16

Service
(See Core Model)

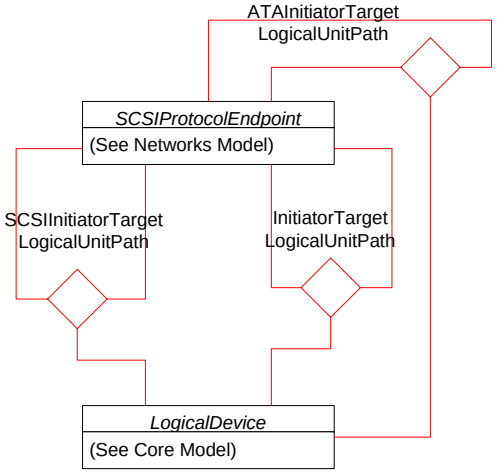
SCSIPathConfigurationService {E}

SetTPGAccess (
  [IN] LogicalUnit : ref LogicalDevice
  [IN] TargetPortGroups : ref SCSITargetPortGroup []
  [IN] AccessStates
) : uint32 {enum}
SetLoadBalanceAlgorithm (
  [IN] LogicaDevice : ref LogicalDevice
  [IN] LoadBalanceAlgorithm : uint16 {enum}
  [IN] OtherLoadBalanceAlgorithmDescription : string
) : uint32 {enum}
AssignLogicalUnitToPortGroup (
  [IN] LogicalUnit : ref LogicalDevice
  [IN] TargetPortGroup : ref TargetPortGroup
) : uint32 {enum}
SetOverridePath (
  [IN] path : ref SCSIInitiatorTargetLogicalUnitPath
) : uint32 {enum}
CancelOverridePath (
  [IN] CancelOverridePath : ref LogicalDevice
) : uint32 {enum}

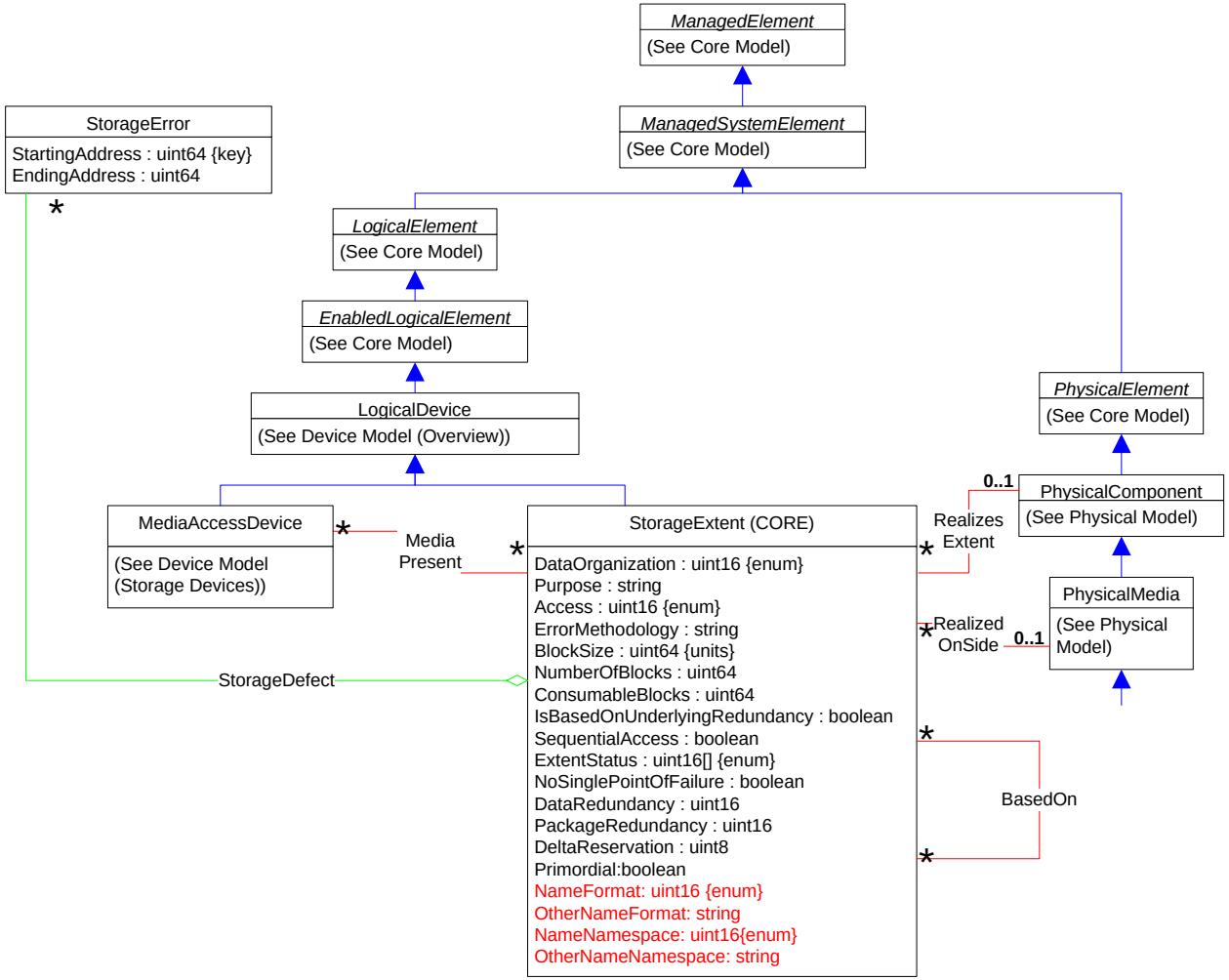
Capabilities
(See Core Model)

SCSIMultipathConfigurationCapabilities {E}

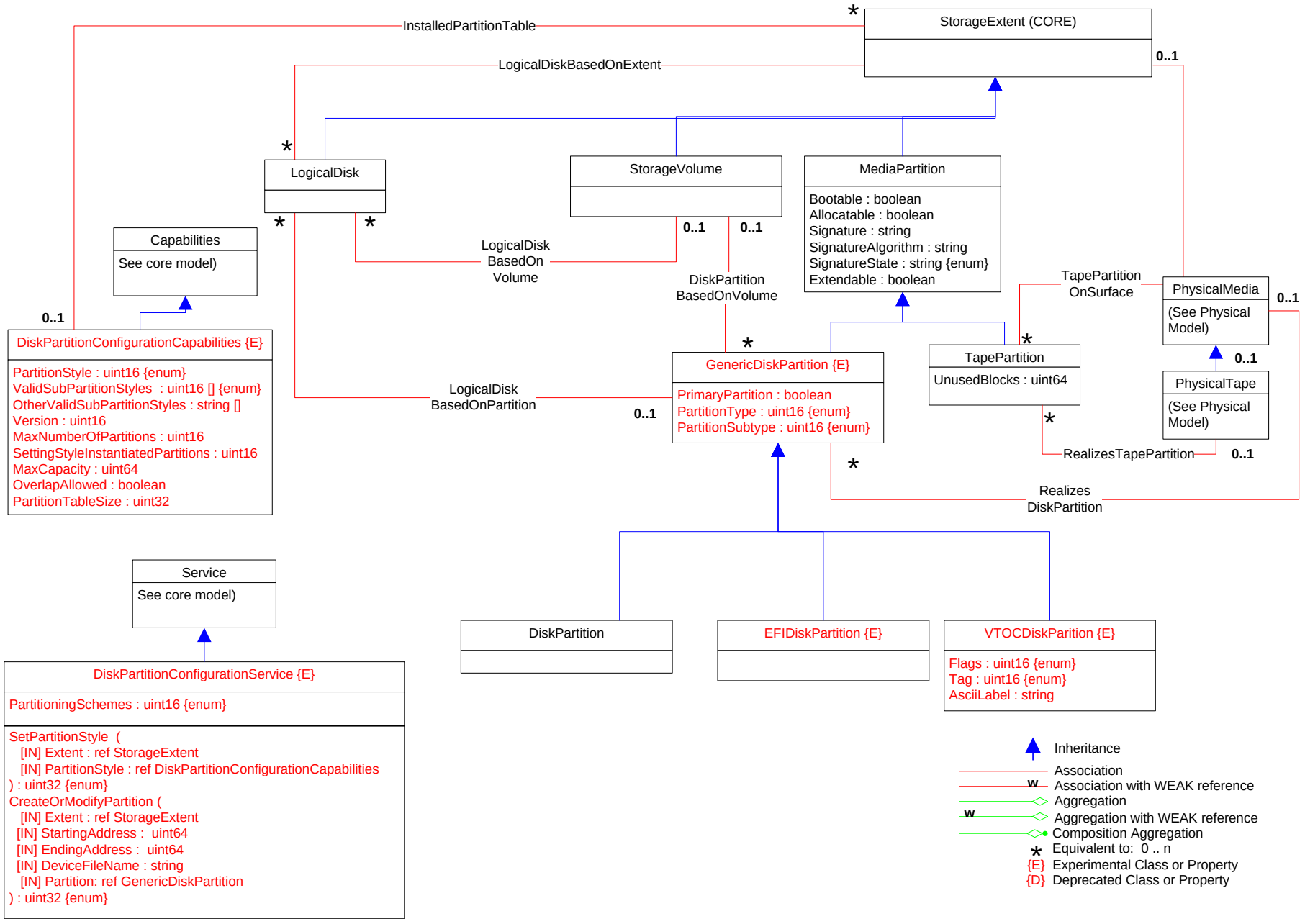
SupportedLoadBalanceTypes : uint16 {enum}
OtherSupportedLoadBalanceAlgorithmNames : string []
OtherSupportedLoadBalanceVendorNames : string[]
CanSetTPGAccess : boolean
CanOverridePaths : boolean
ExposesPathDeviceFiles : boolean
DeviceNameFilespace : string
OnlySupportsSpecifidProducts : boolean
MaximumWeight : uint32
PollingRateMax : uint32
PollingRateMin : uint32
AutoFailbackSupported : boolean
AutoFailbackEnabled : boolean
BadPathPollingRate : uint32
InactivePathPollingRate : uint32
DefaultLoadBalanceType : uint16 {enum}



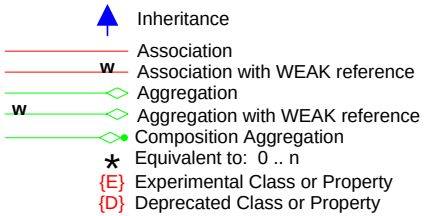
Page 17- StorageExtent

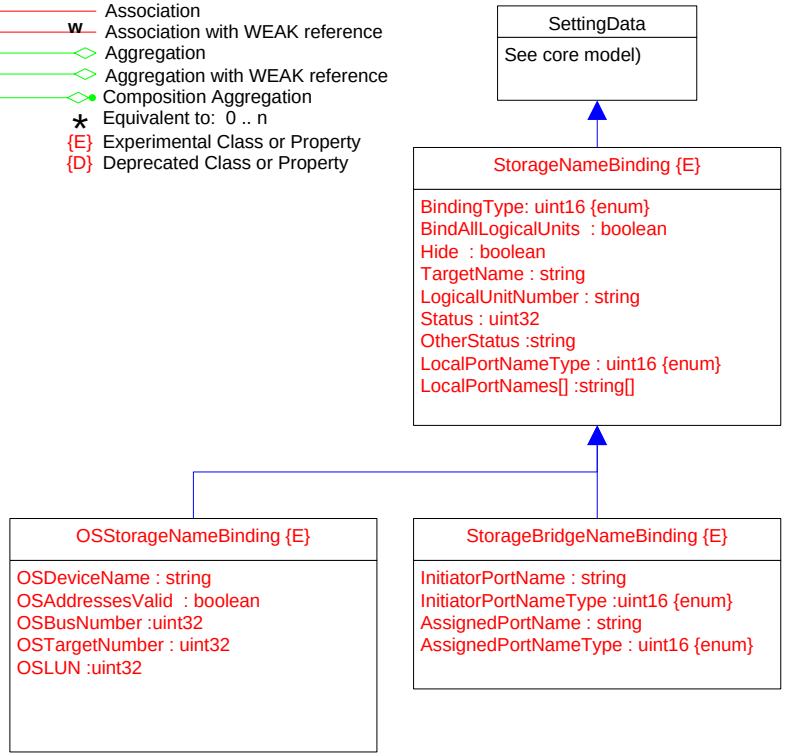


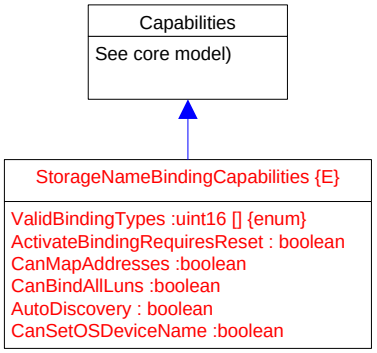
Page 18- StorageExtent 2

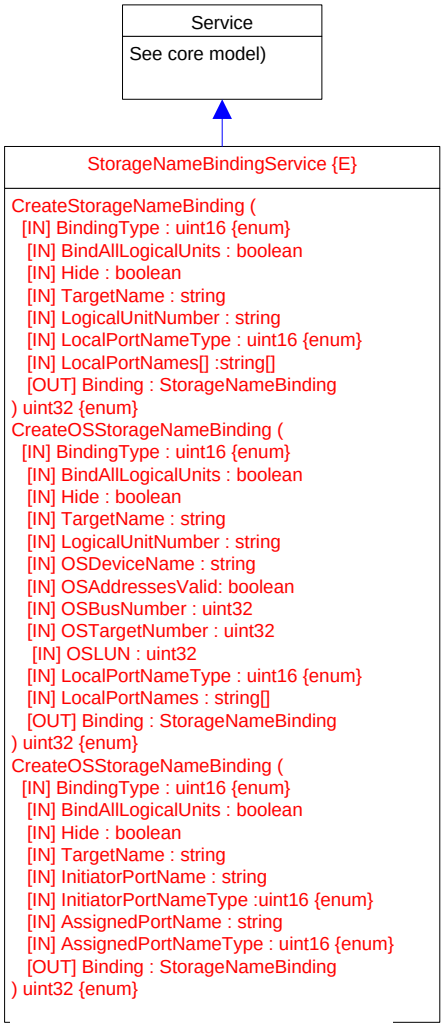


Page 19 - Storage Name Binding

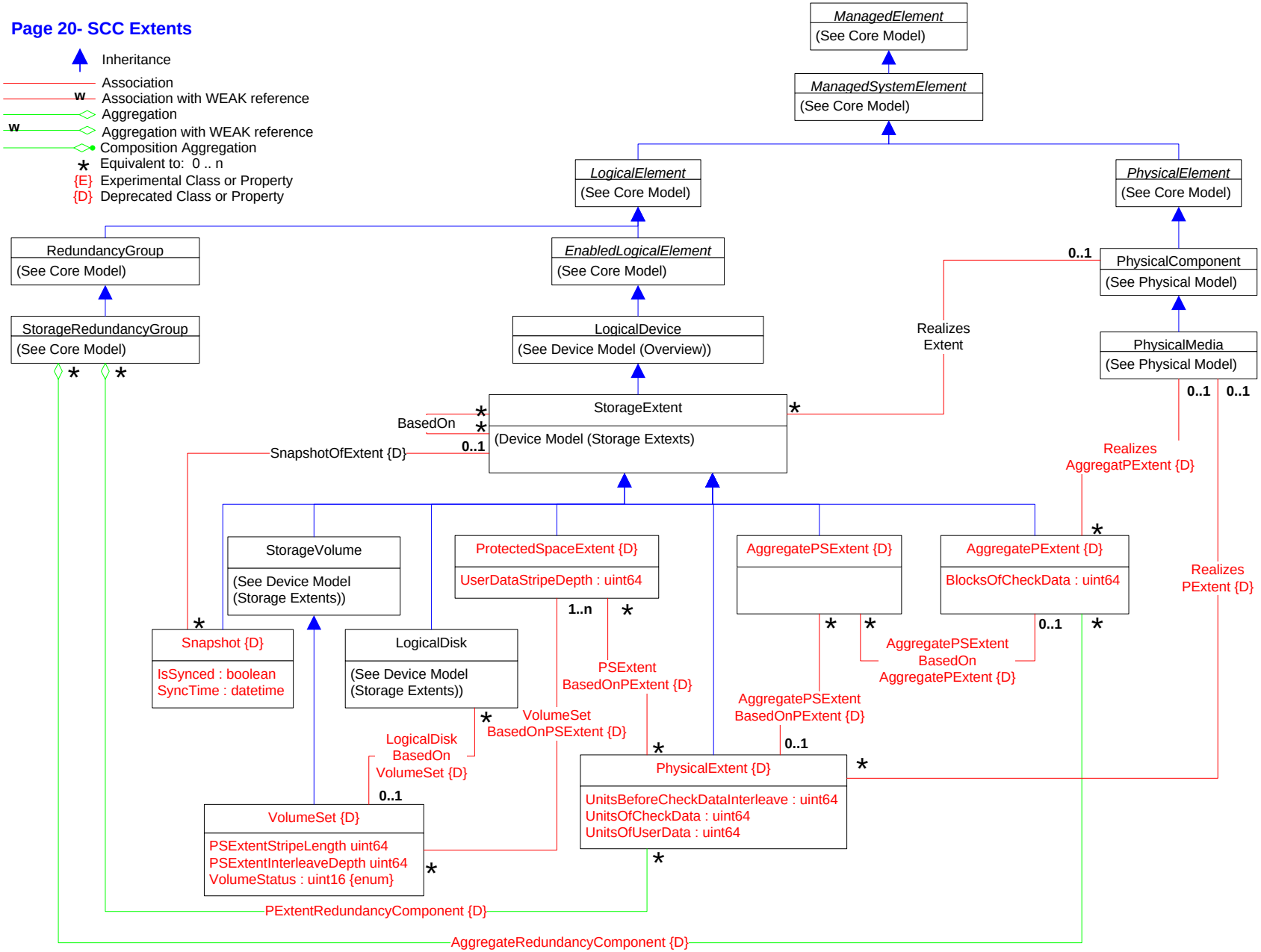




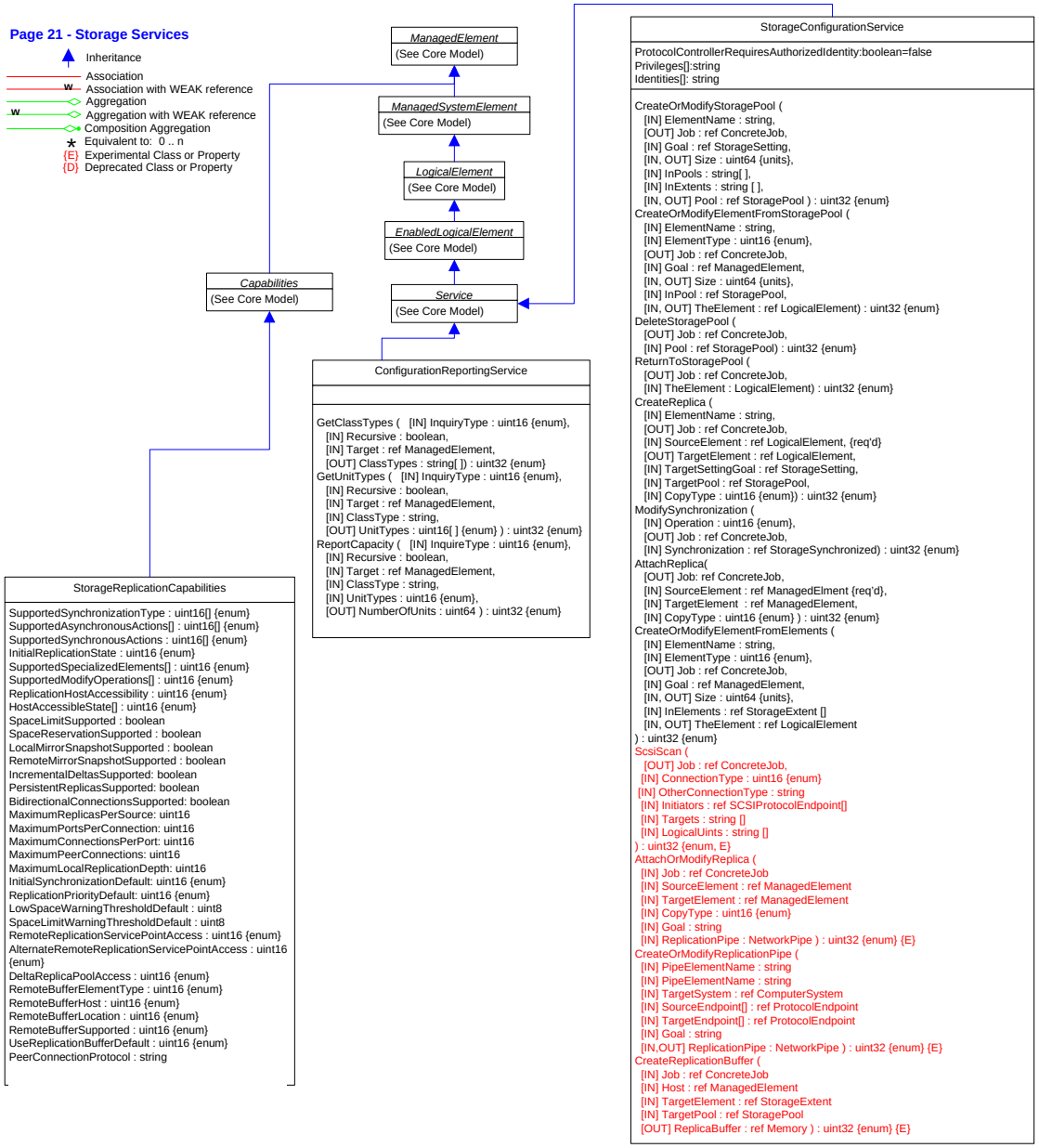




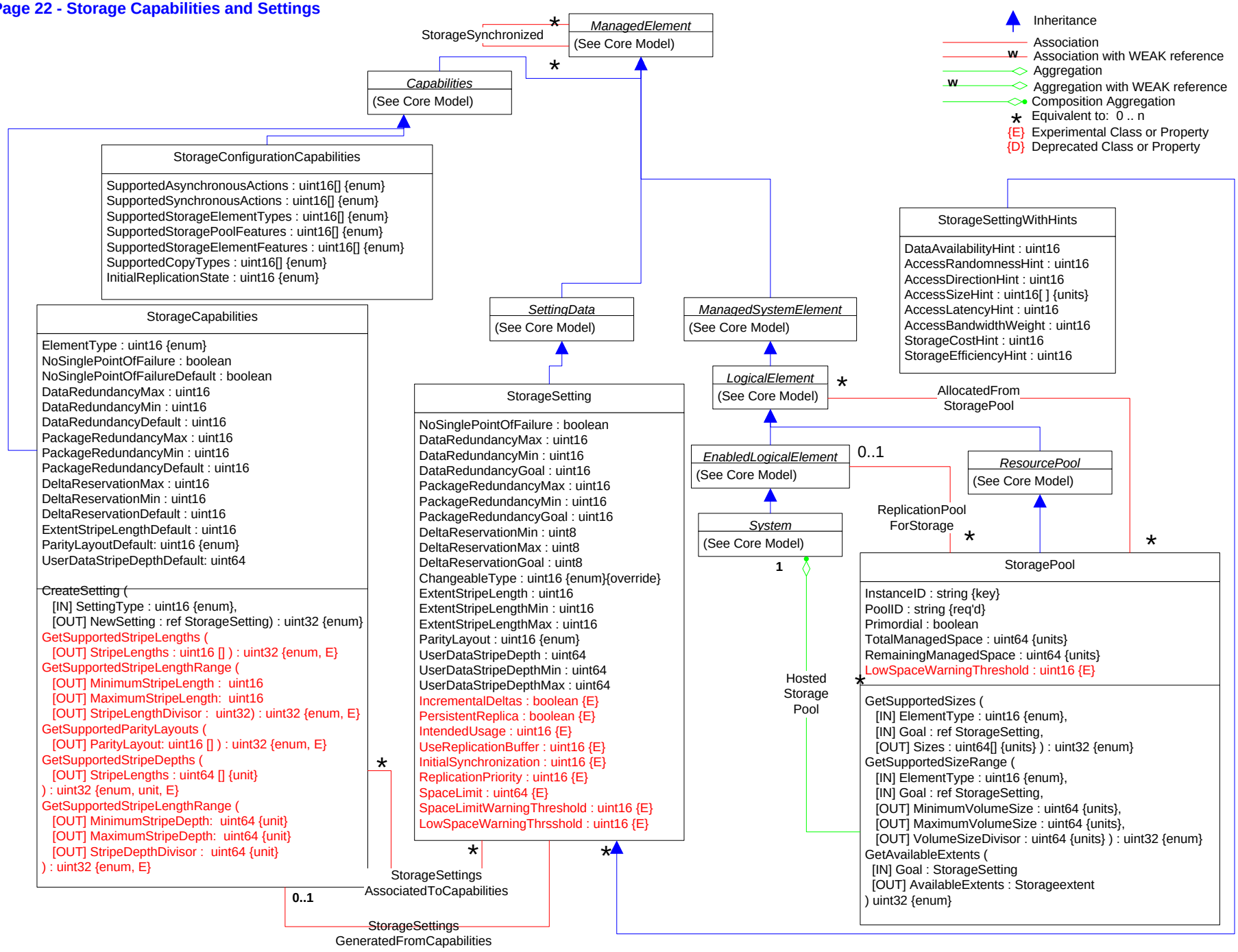
Page 20- SCC Extents



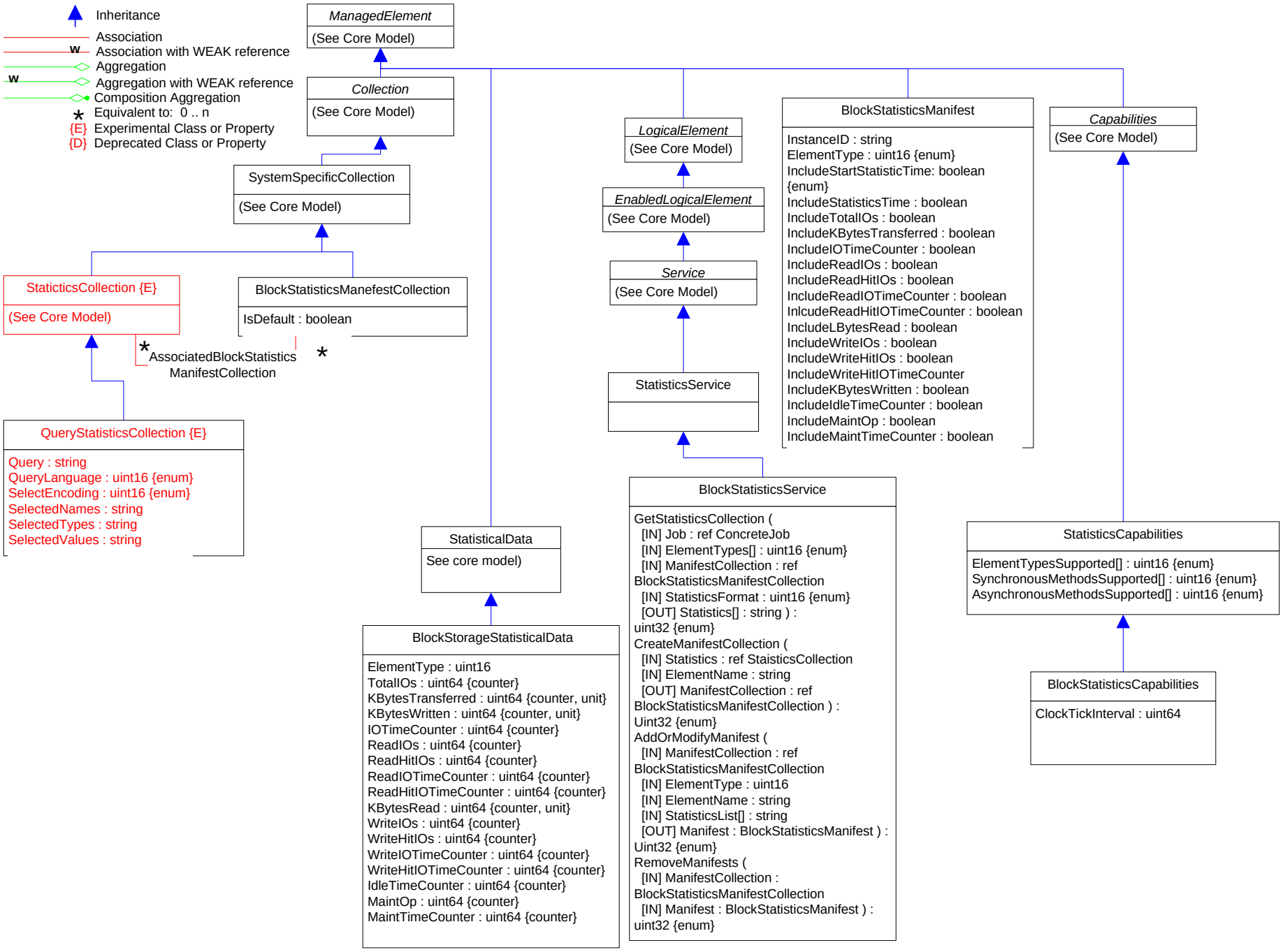
Page 21 - Storage Services



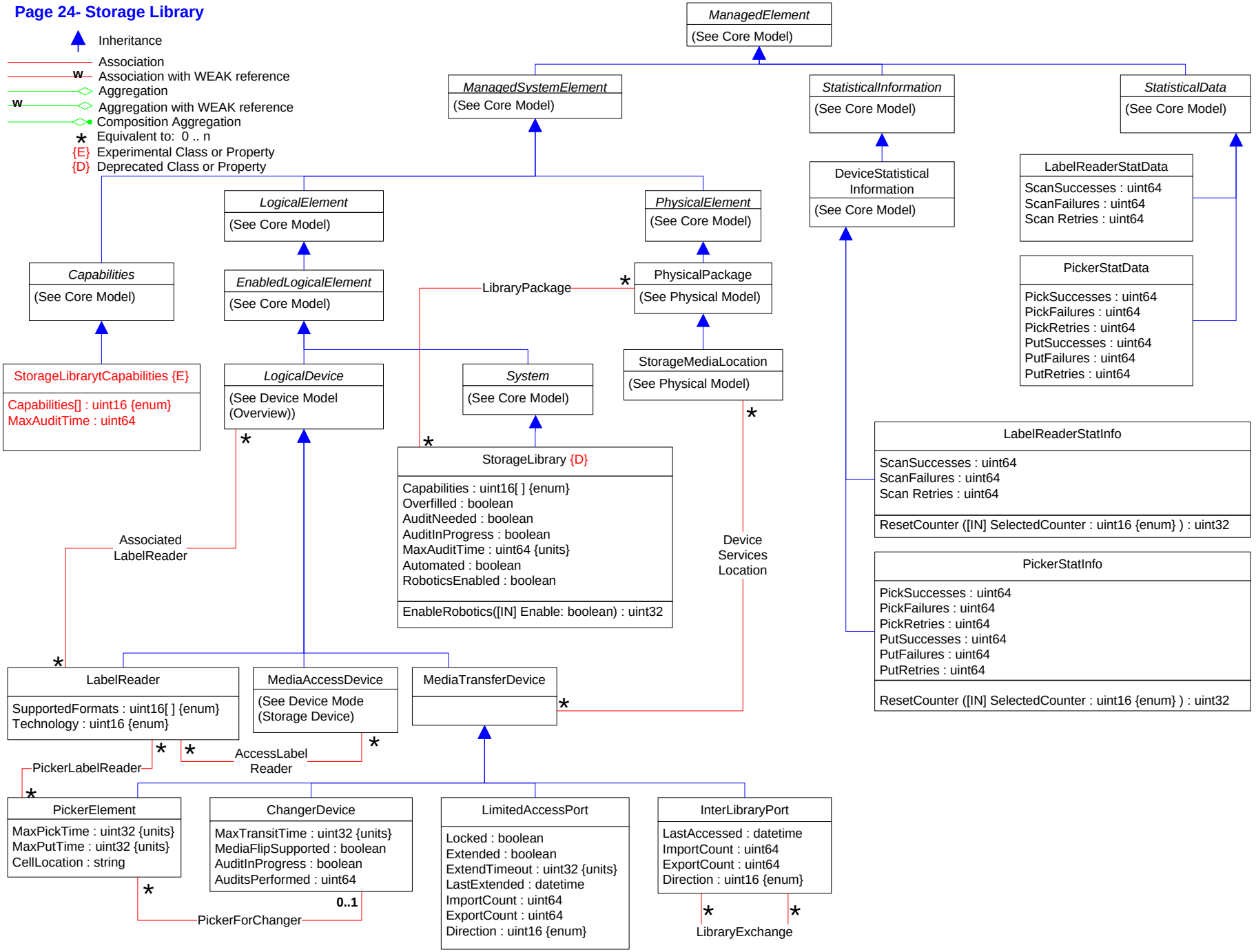
Page 22 - Storage Capabilities and Settings



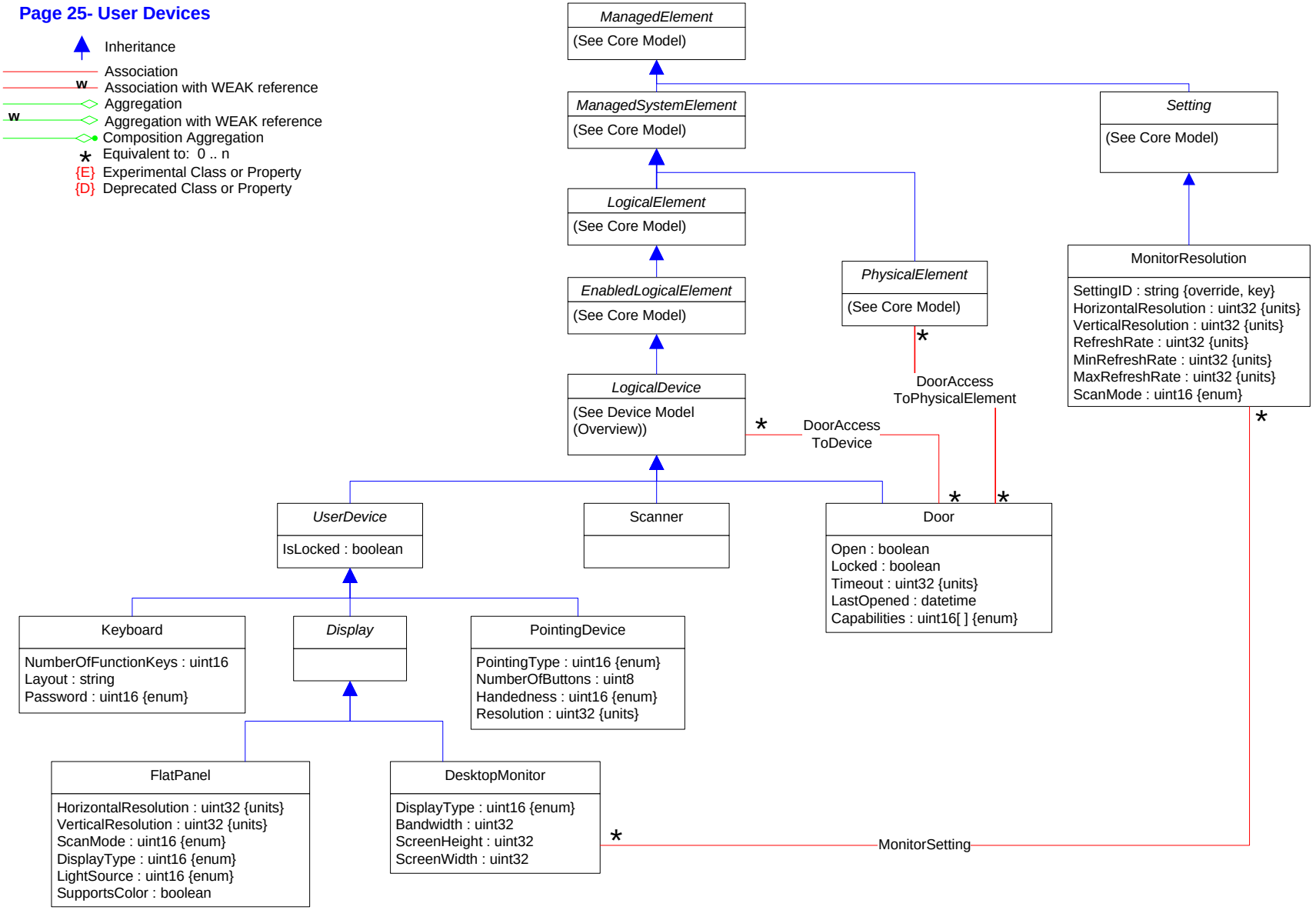
Page 23 - Storage Statistics



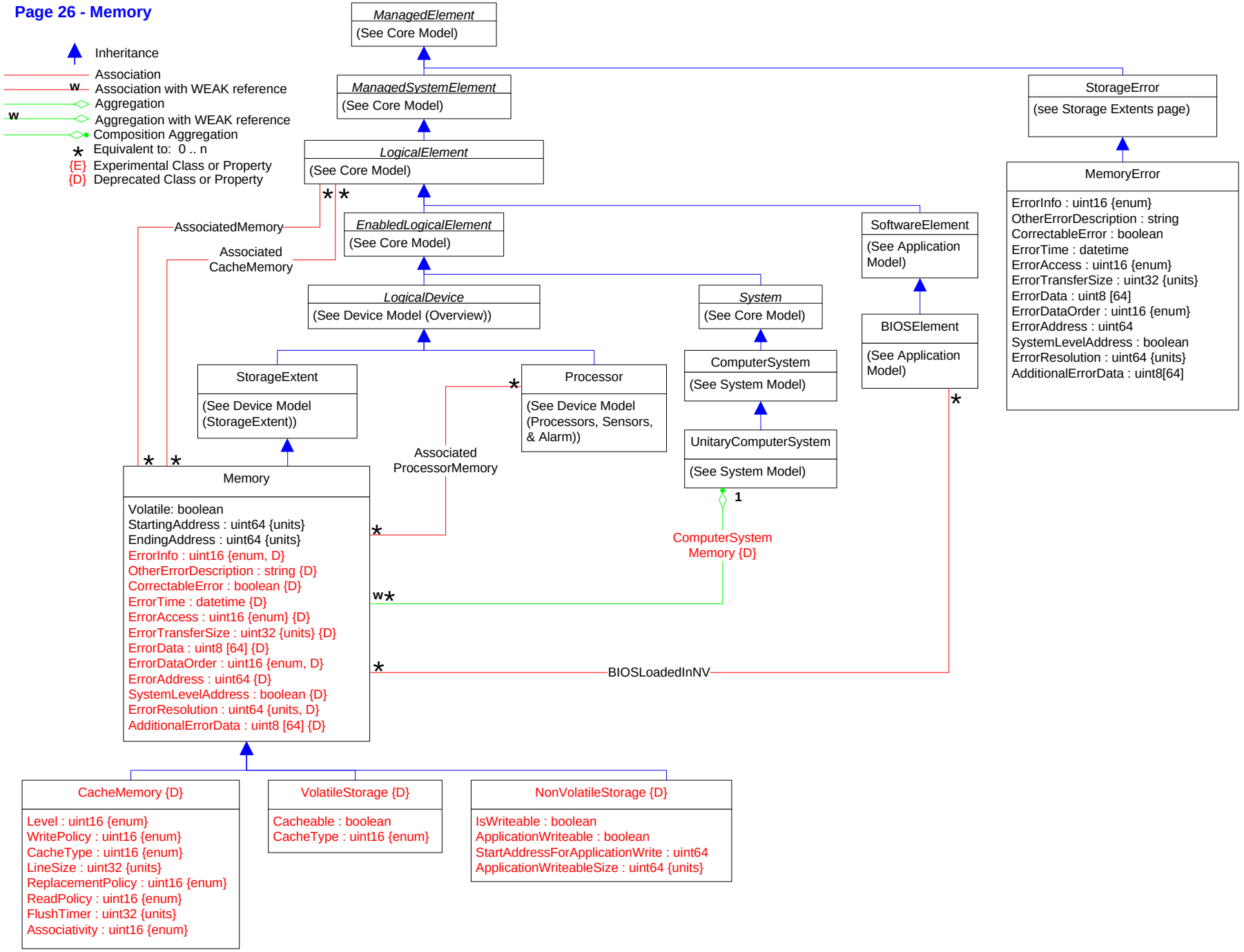
Page 24- Storage Library



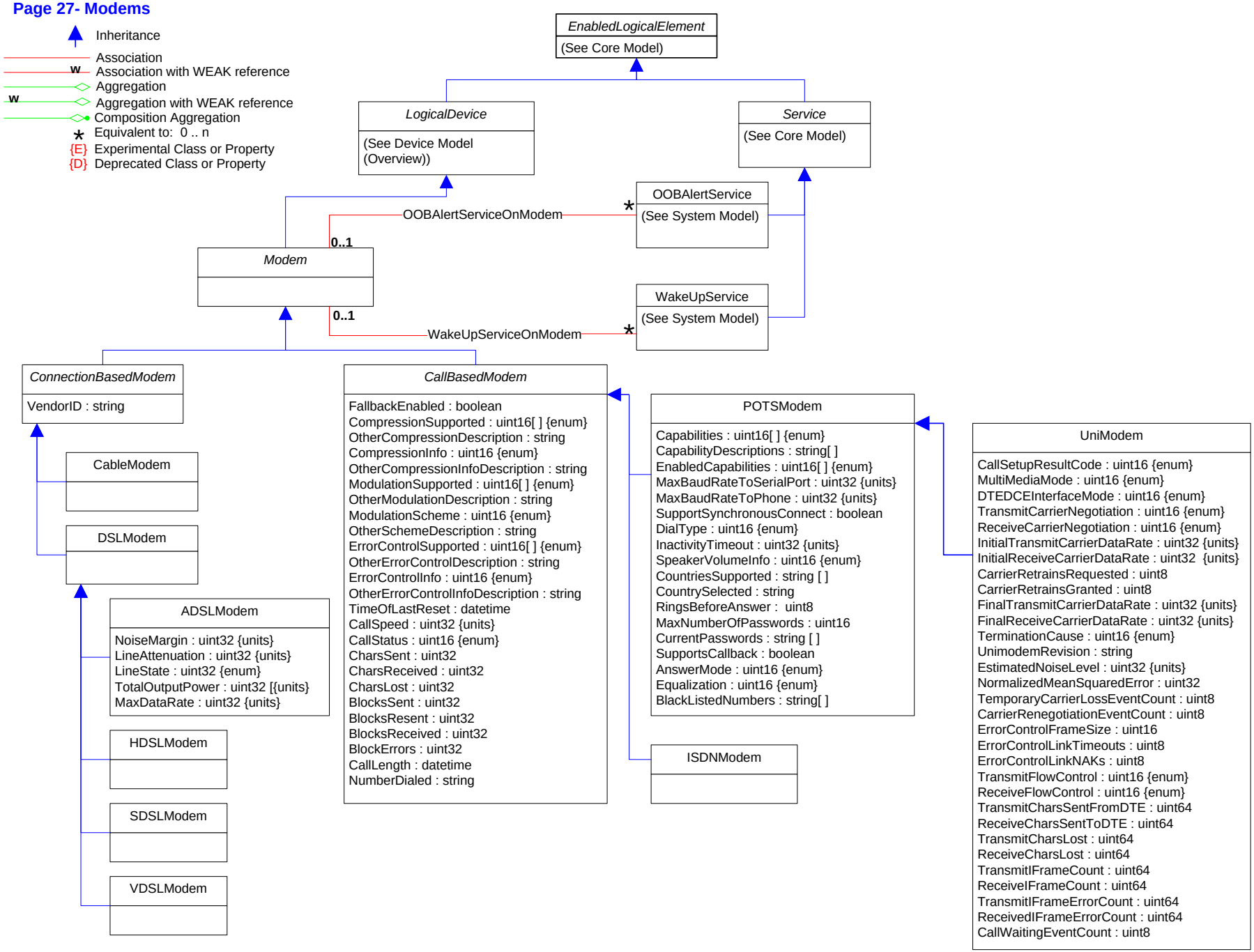
Page 25- User Devices



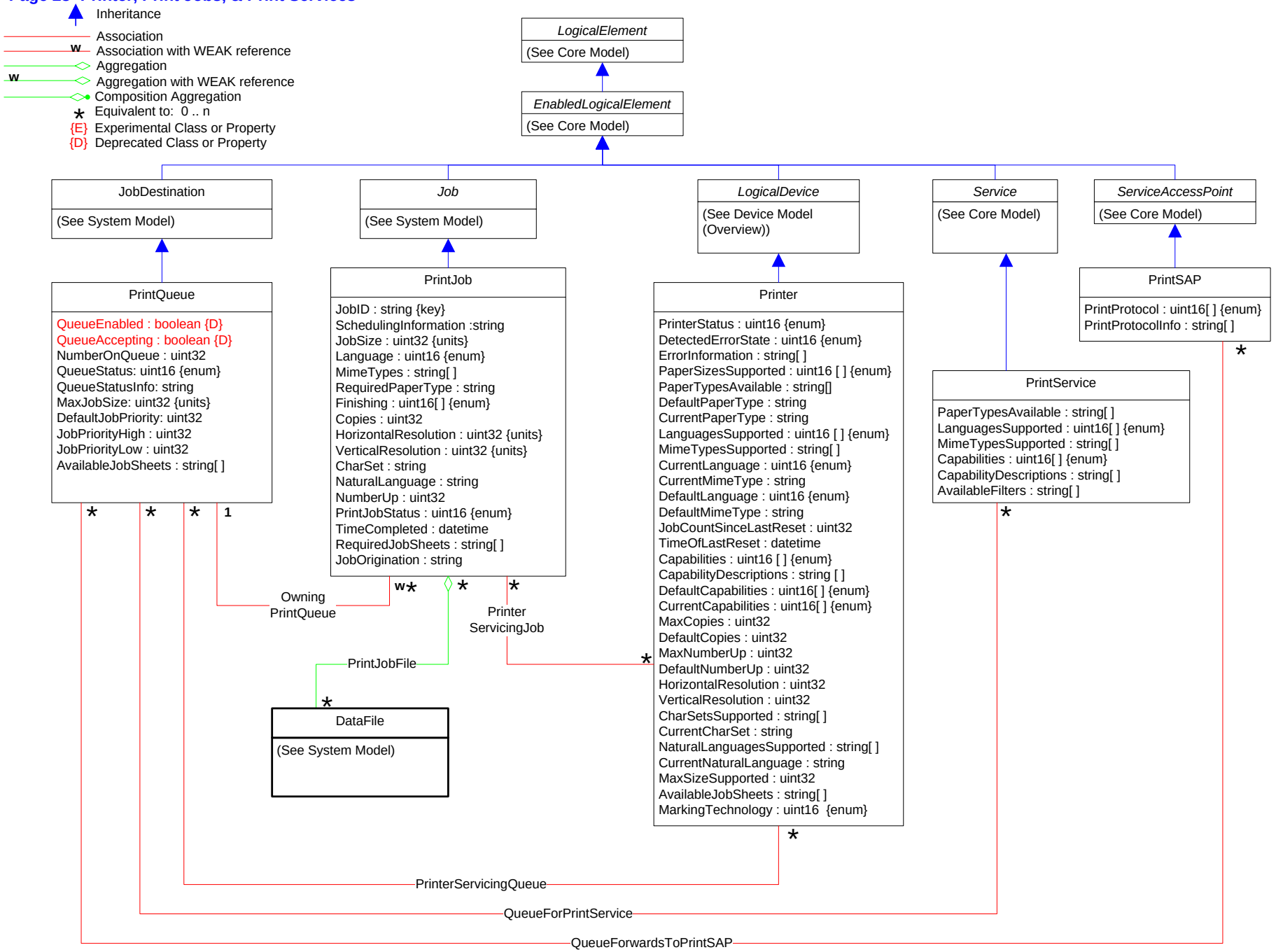
Page 26 - Memory



Page 27- Modems

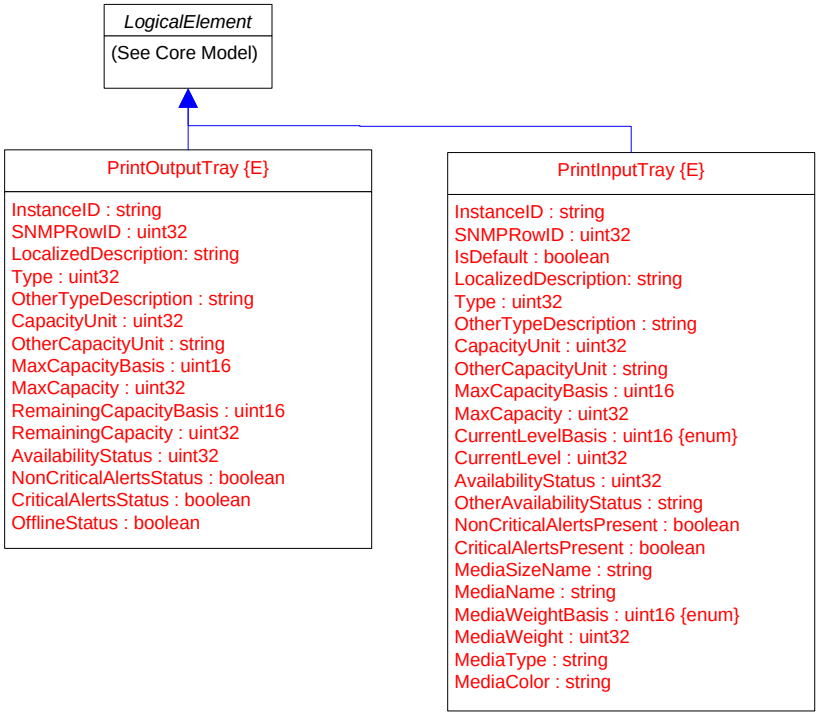


Page 28- Printer, Print Jobs, & Print Services

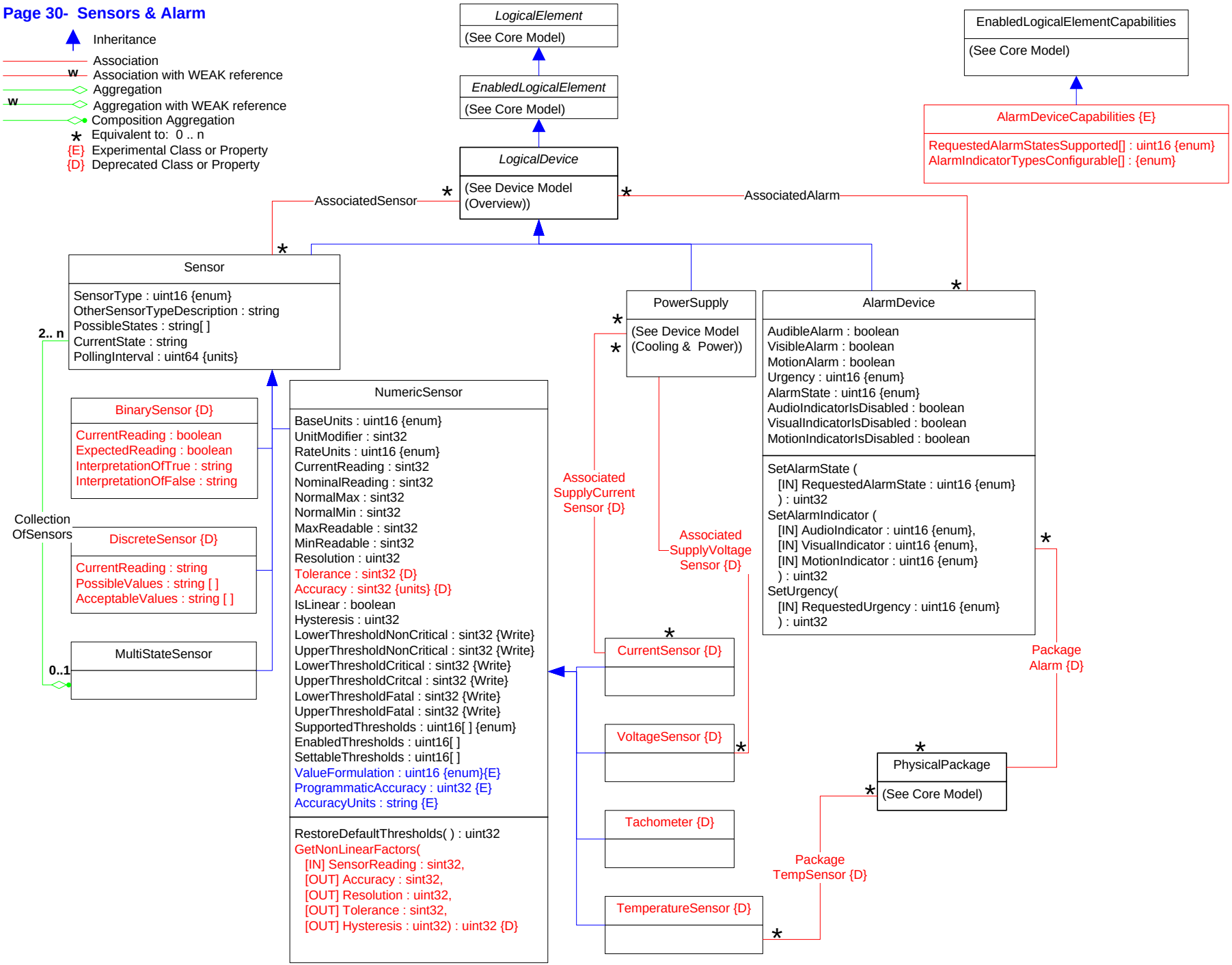


Page 29 - Printer, Print Jobs, & Print Services (2)

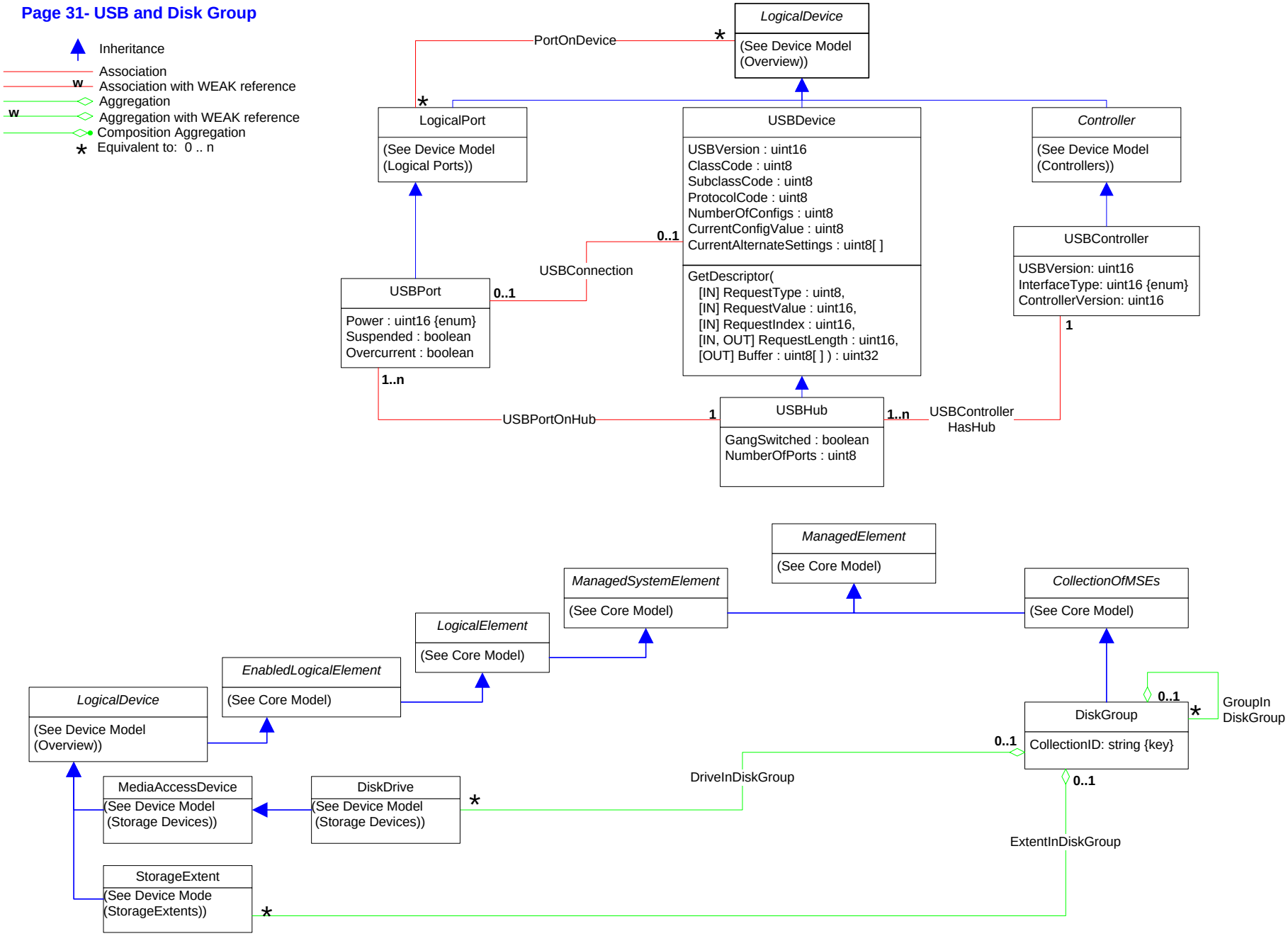
Inheritance
Association
W Association with WEAK reference
Aggregation
W Aggregation with WEAK reference
Composition Aggregation
* Equivalent to: 0 .. n
{E} Experimental Class or Property
{D} Deprecated Class or Property



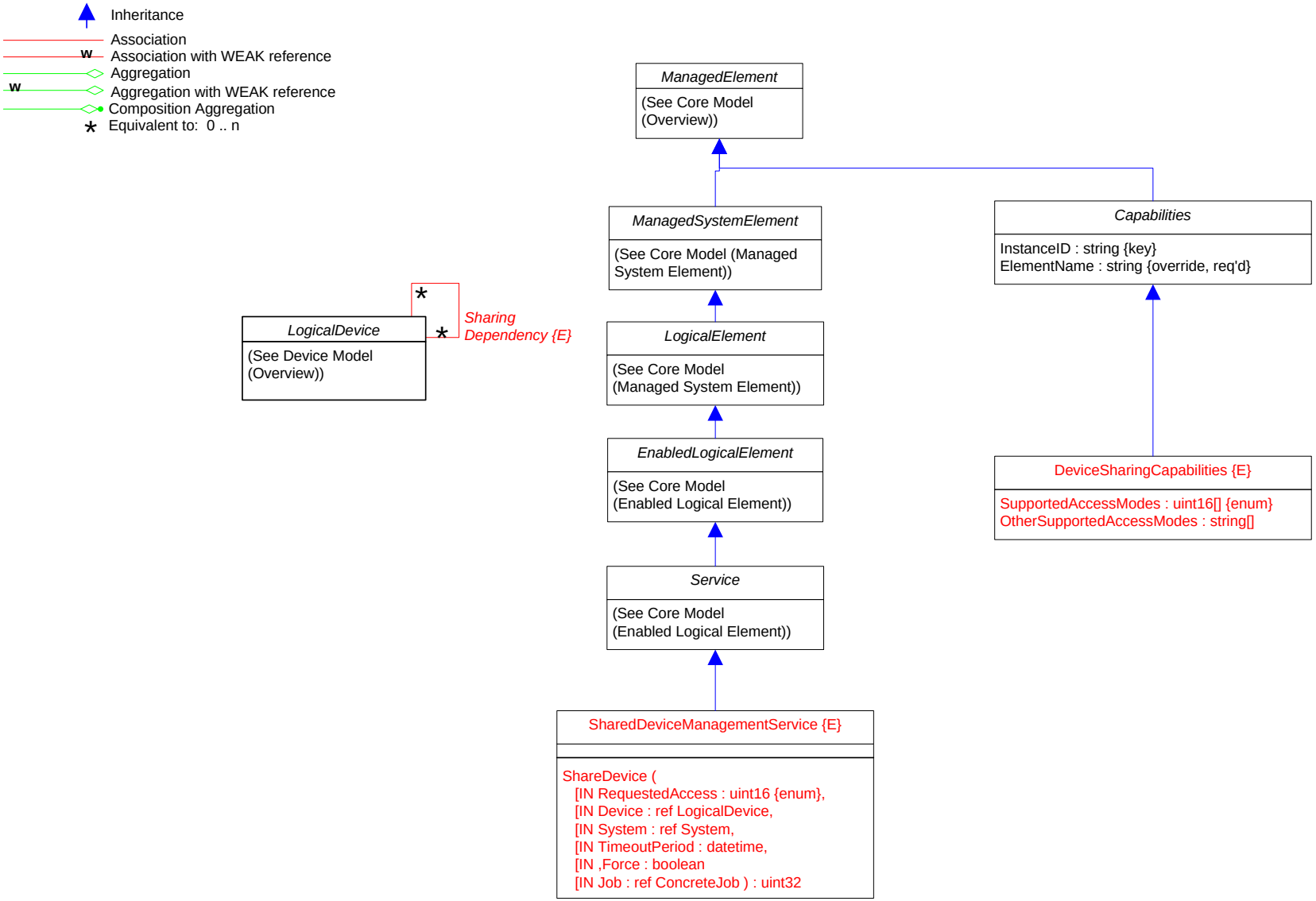
Page 30- Sensors & Alarm



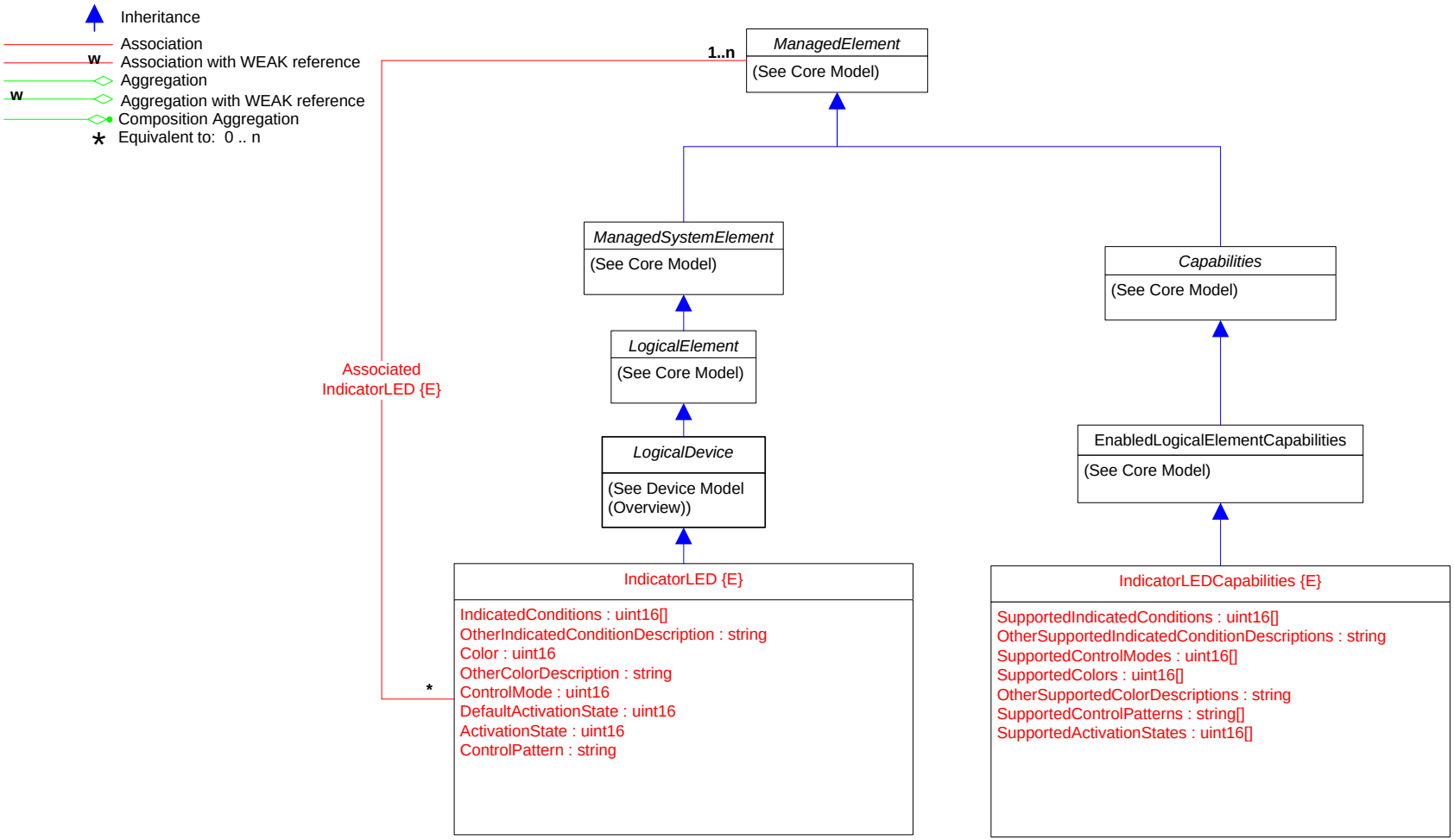
Page 31- USB and Disk Group



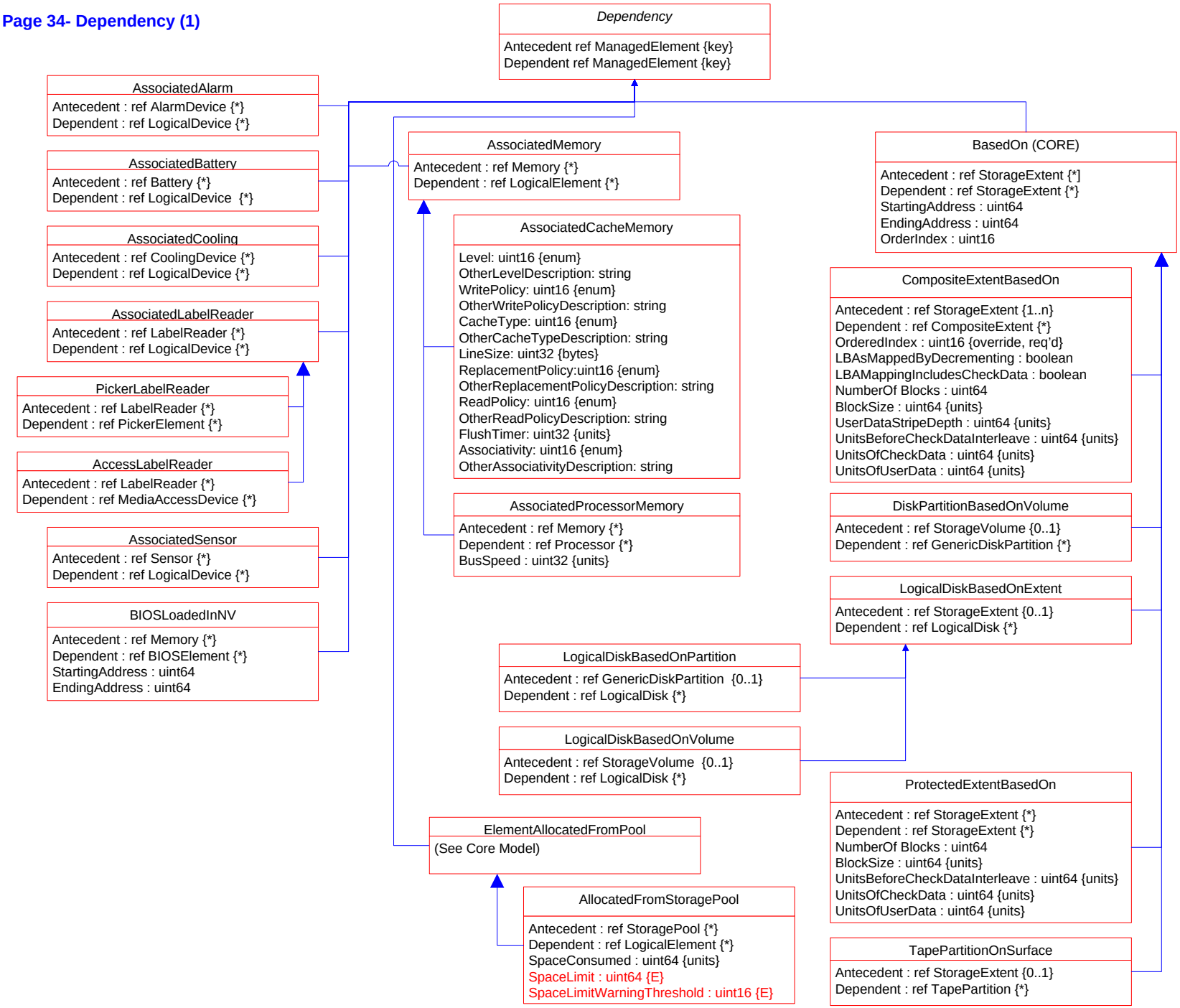
Page 32- Device Sharing



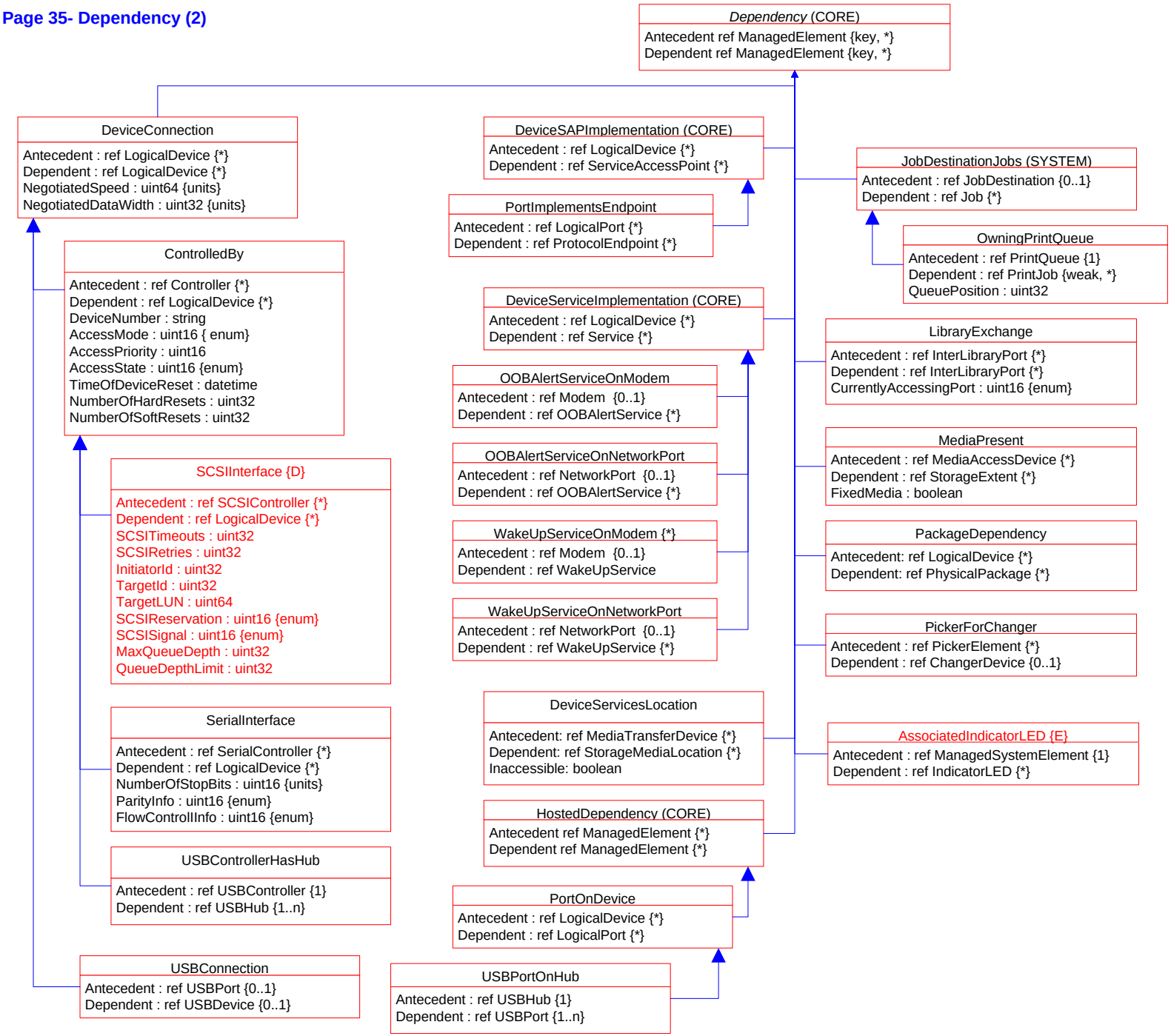
Page 33- LED


Inheritance
Association
w
Association with WEAK reference
Aggregation
w
Aggregation with WEAK reference
Composition Aggregation
*
Equivalent to: 0 .. n
1..n
ManagedElement
(See Core Model)
ManagedSystemElement
(See Core Model)
Capabilities
(See Core Model)
LogicalElement
(See Core Model)
Associated
IndicatorLED {E}
LogicalDevice
(See Device Model
(Overview))
EnabledLogicalElementCapabilities
(See Core Model)
*
IndicatorLED {E}
IndicatedConditions : uint16[]
OtherIndicatedConditionDescription : string
Color : uint16
OtherColorDescription : string
ControlMode : uint16
DefaultActivationState : uint16
ActivationState : uint16
ControlPattern : string
IndicatorLEDCapabilities {E}
SupportedIndicatedConditions : uint16[]
OtherSupportedIndicatedConditionDescriptions : string
SupportedControlModes : uint16[]
SupportedColors : uint16[]
OtherSupportedColorDescriptions : string
SupportedControlPatterns : string[]
SupportedActivationStates : uint16[]

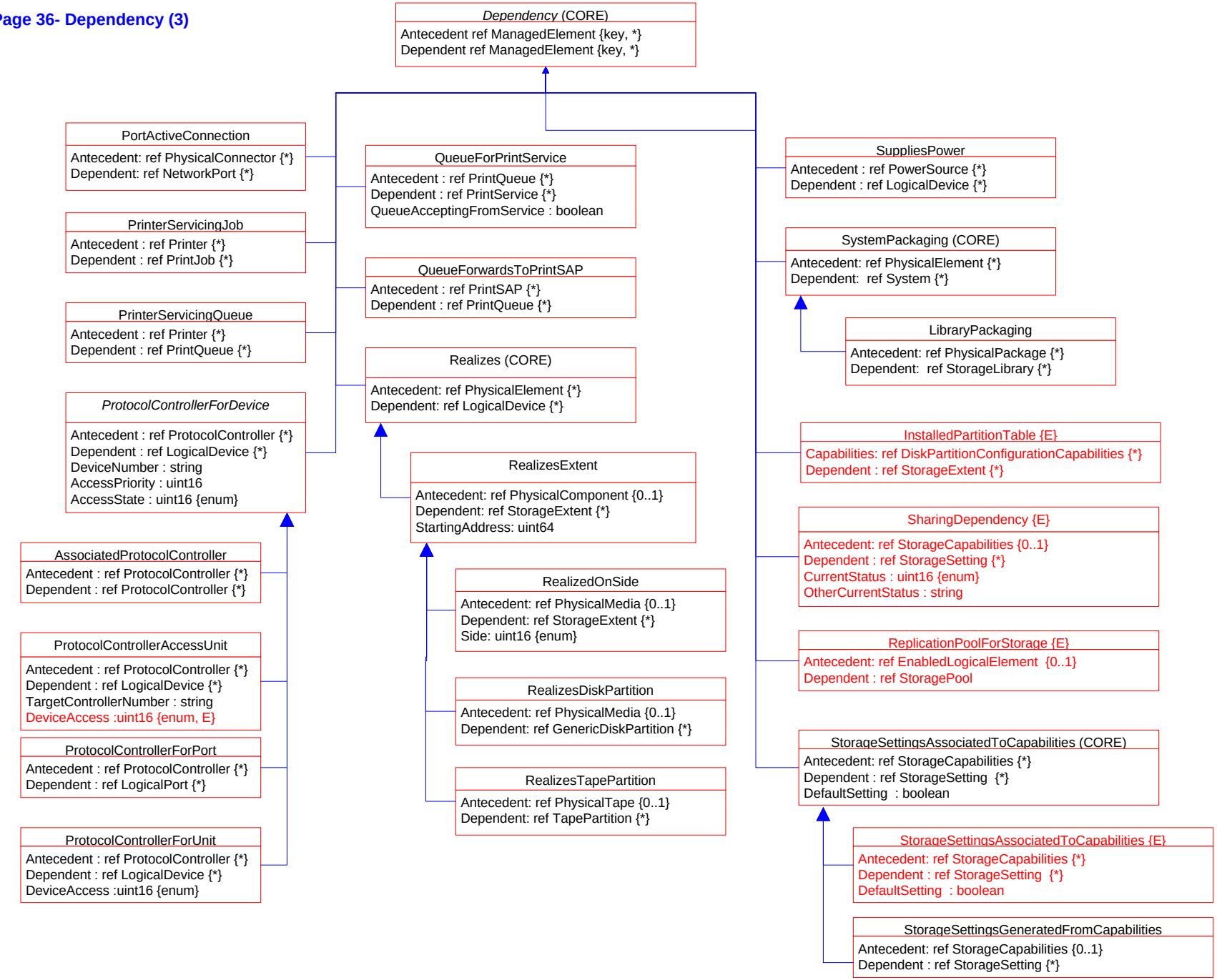
Page 34- Dependency (1)



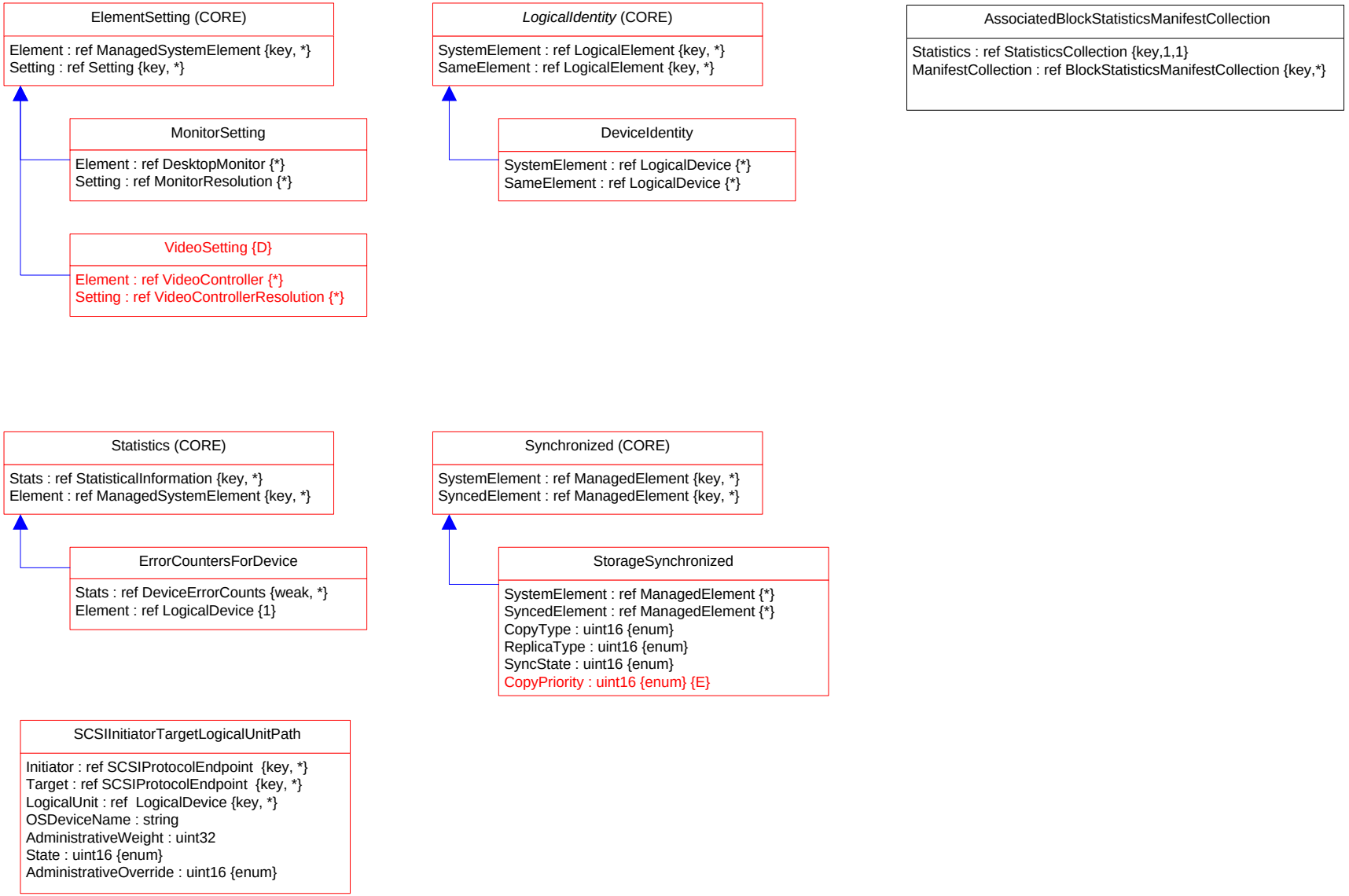
Page 35- Dependency (2)



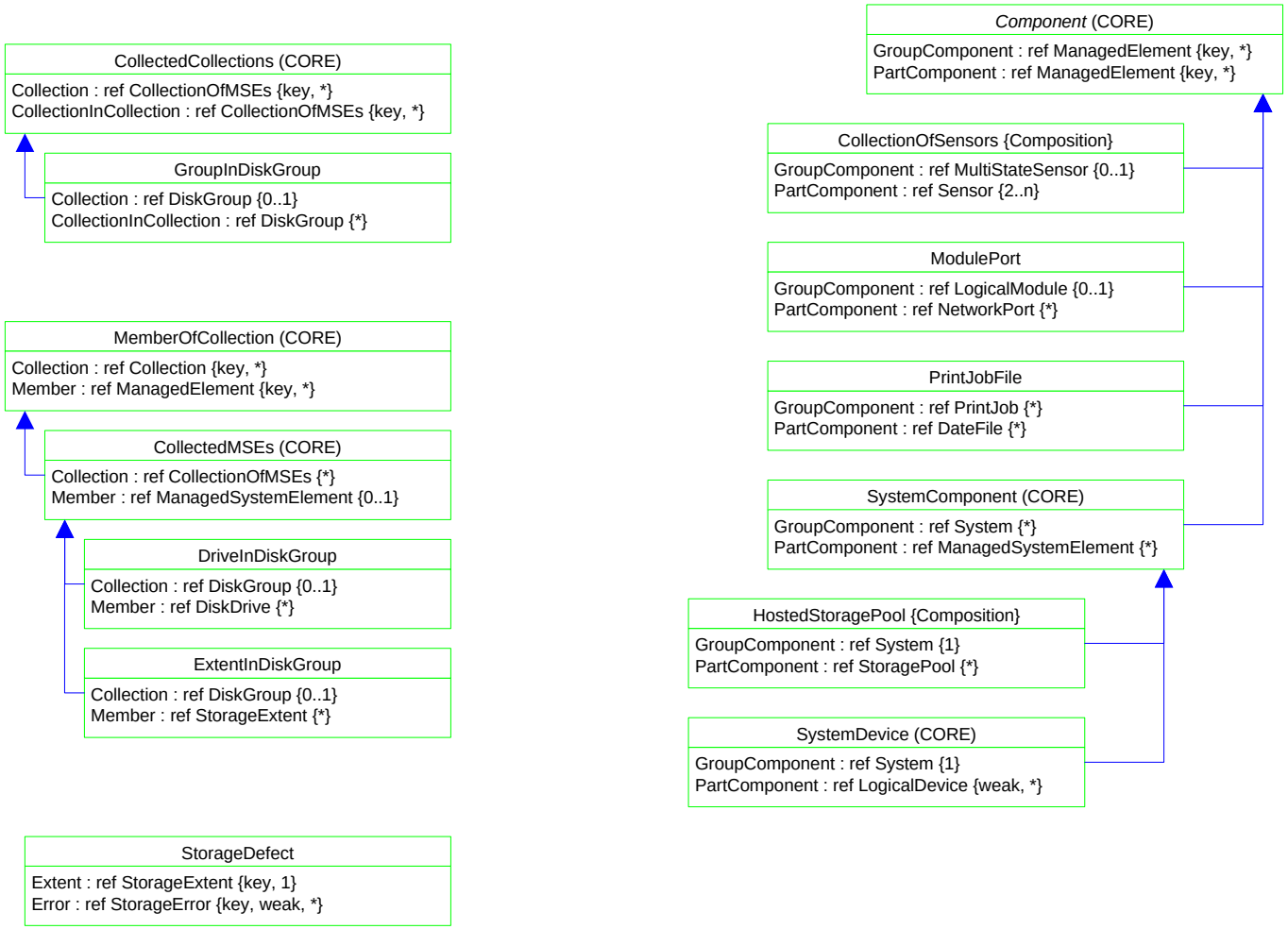
Page 36- Dependency (3)



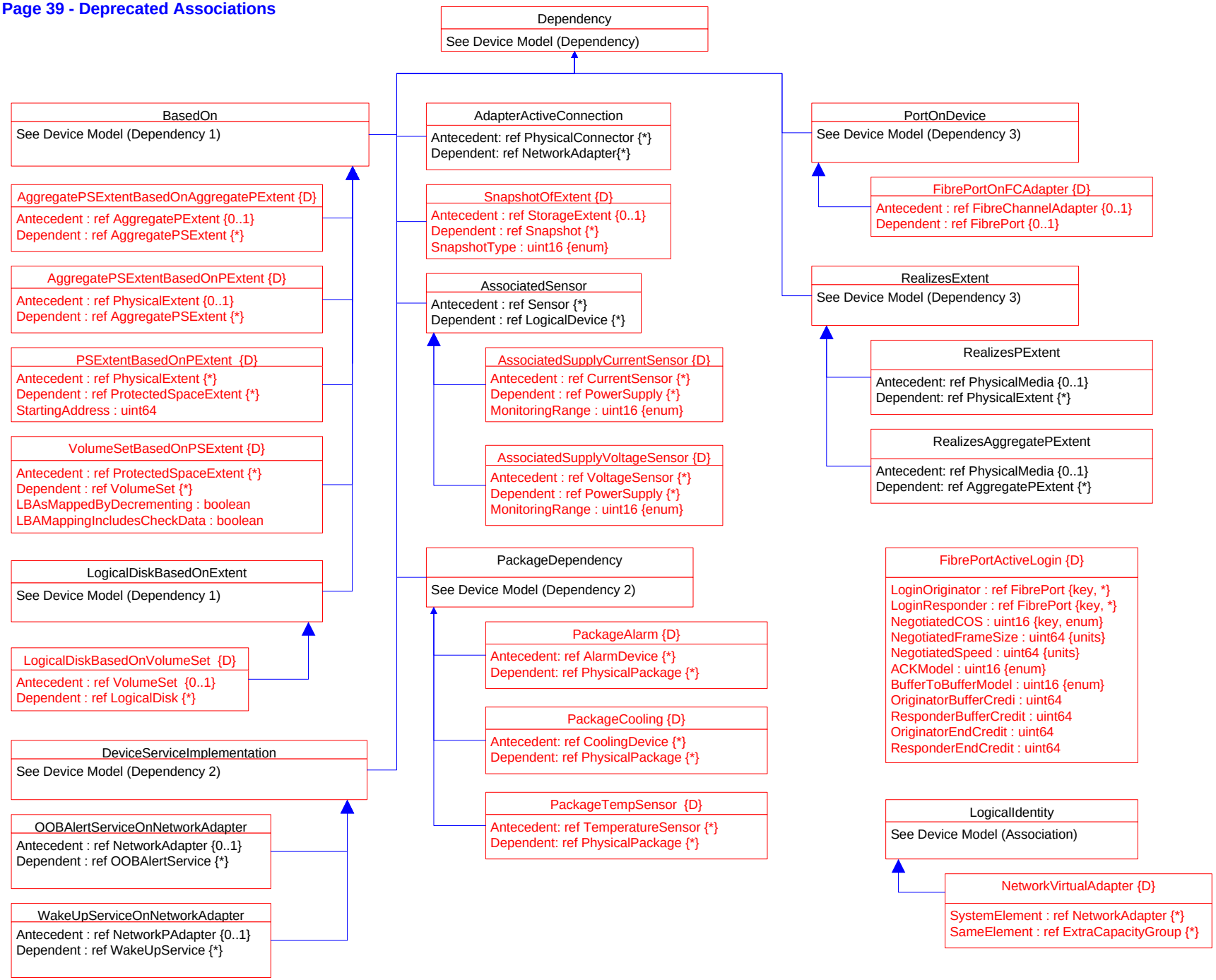
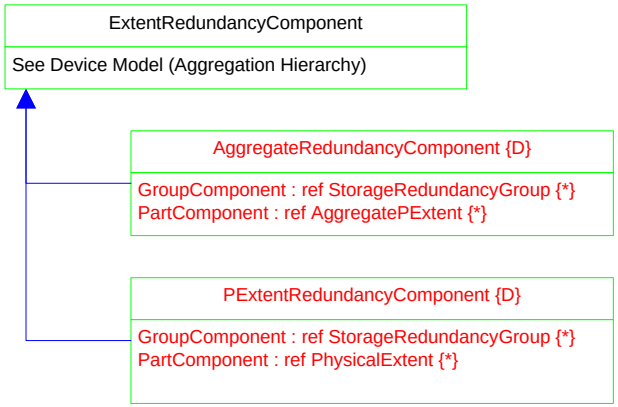
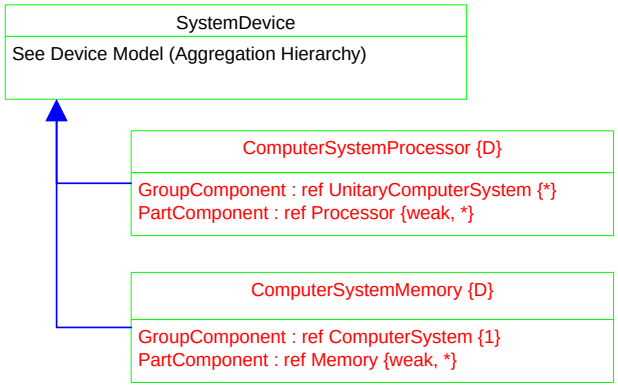
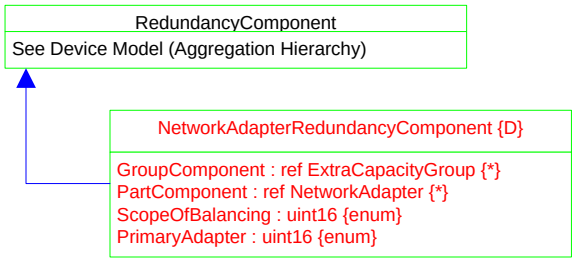
Page 37- Association Hierarchy



Page 38- Aggregation Hierarchy



Page 39 - Deprecated Associations



Page 40 - Deprecated Aggregations