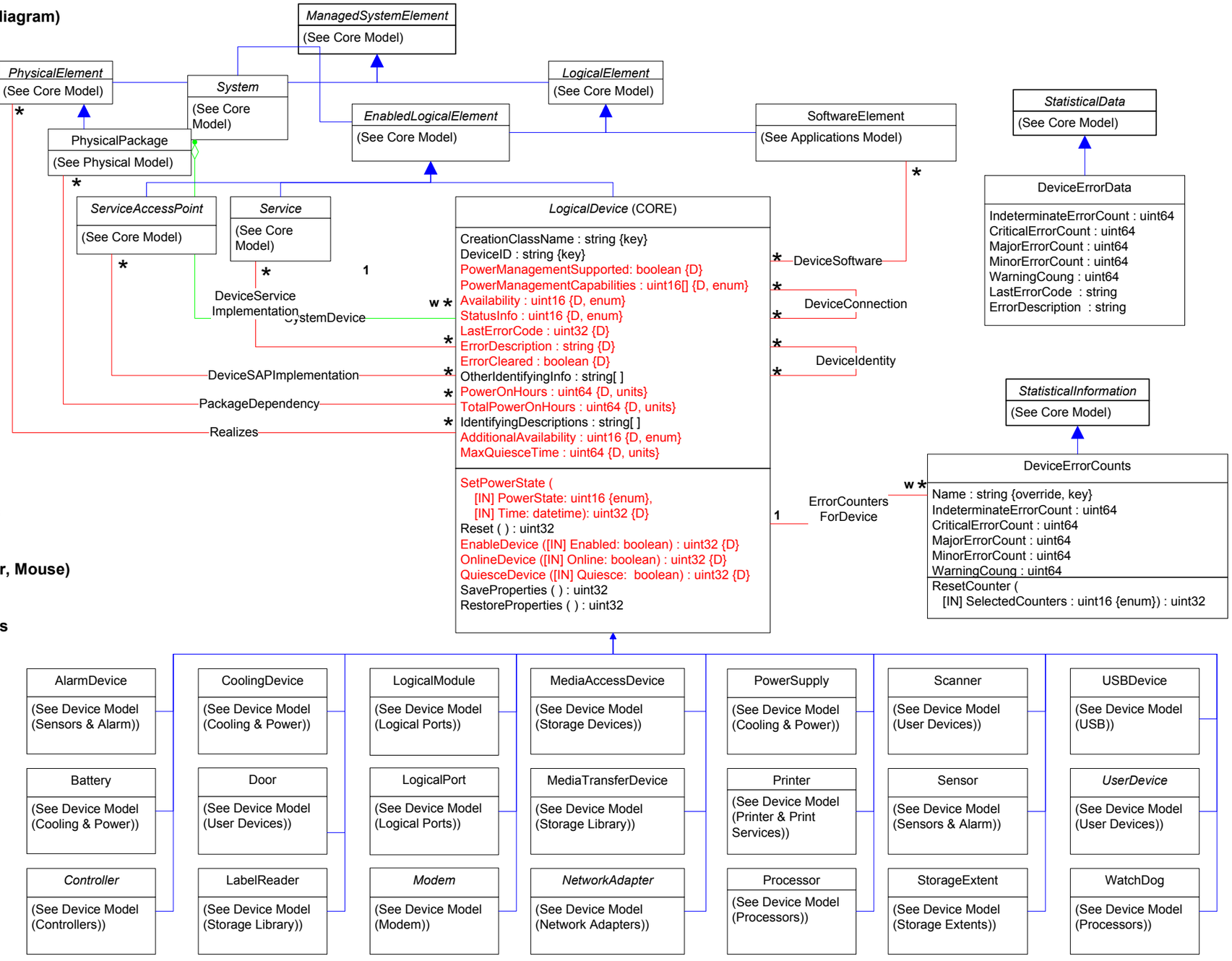
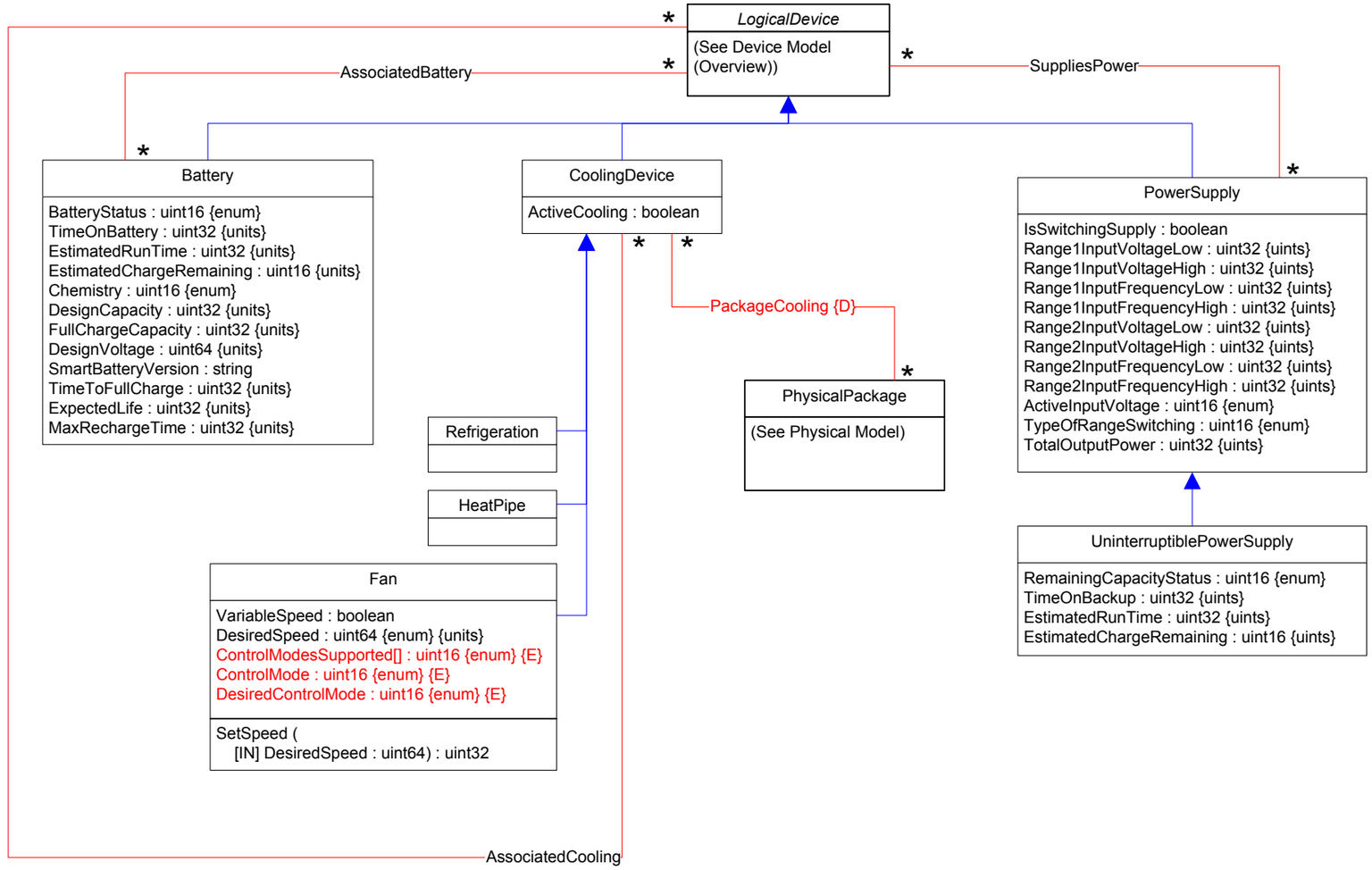
Title : Device Specification 2.10 (UML diagram)
Filename : CIM_Device.vsd
Author : DMTF Core Schema WG
Date : 07/07/2005

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



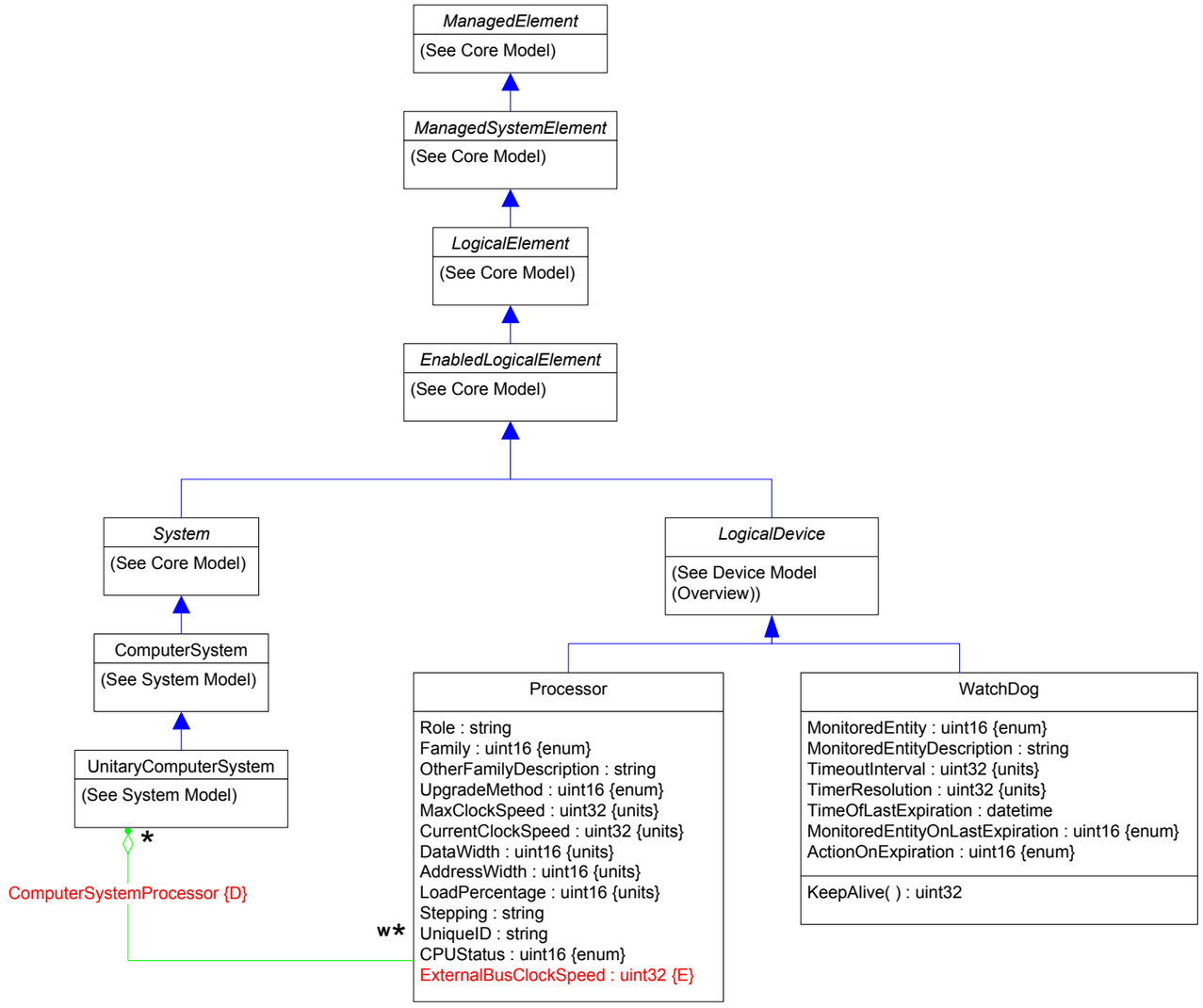
Page 2 - Cooling & Power

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

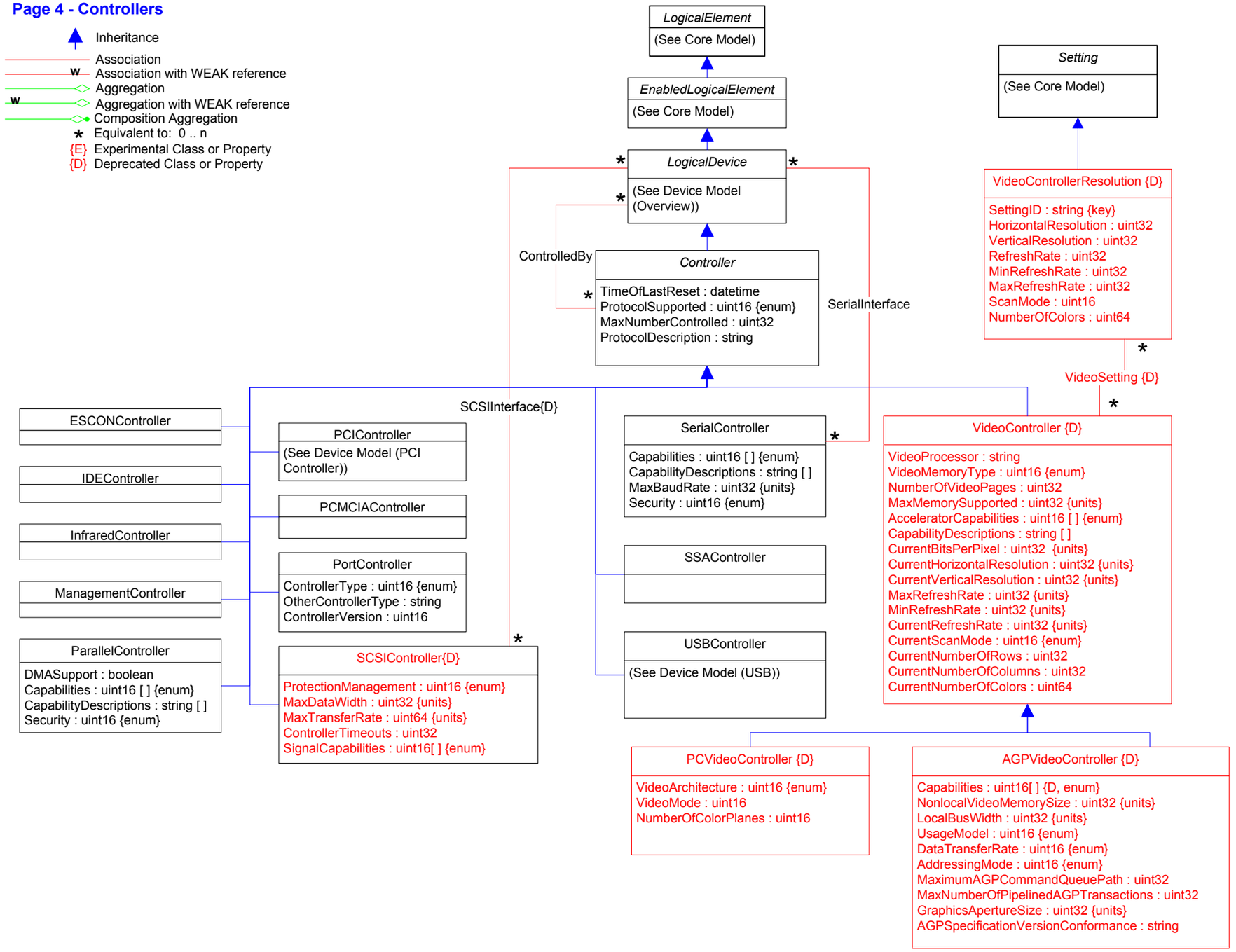


Page 3 - Processors

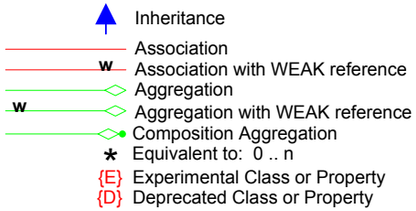
Inheritance
Association
w Association with WEAK reference
Aggregation
w Aggregation with WEAK reference
Composition Aggregation
* Equivalent to: 0 .. n
{E} Experimental Class or Property
{D} Deprecated Class or Property



Page 4 - Controllers

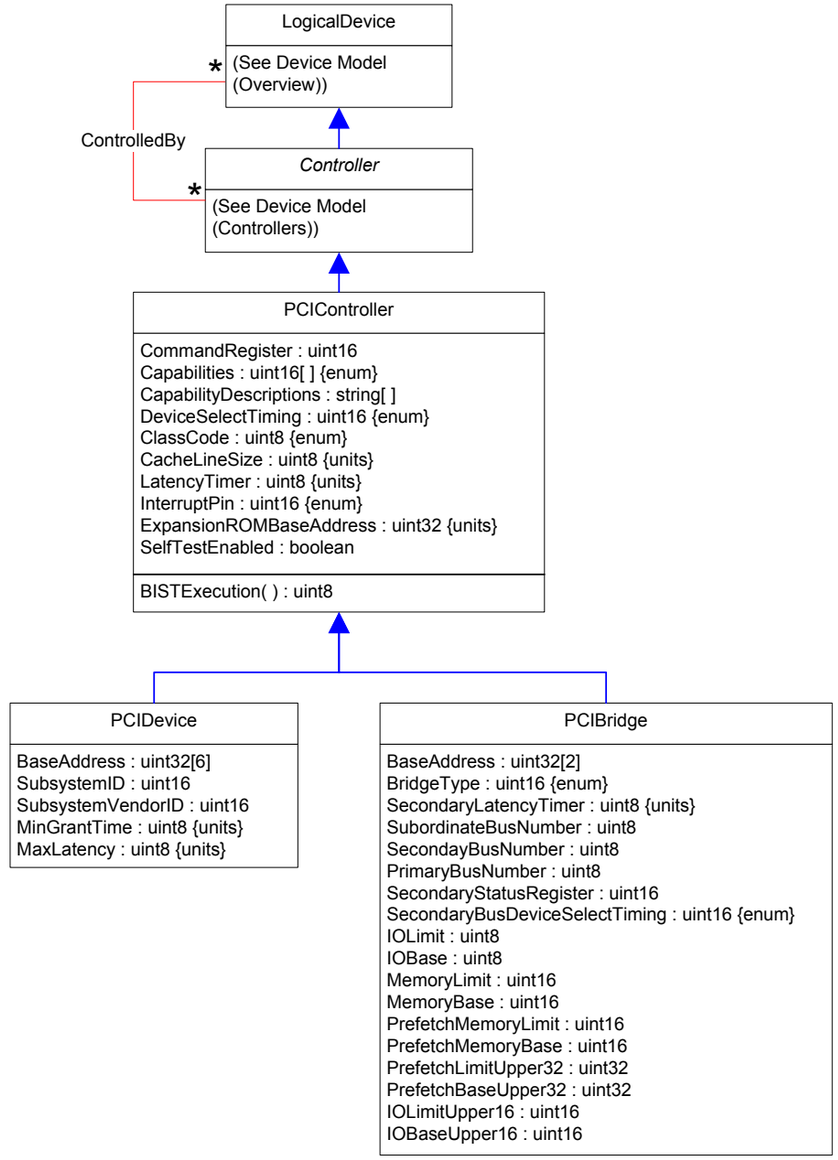


Page 5 – Video Controllers

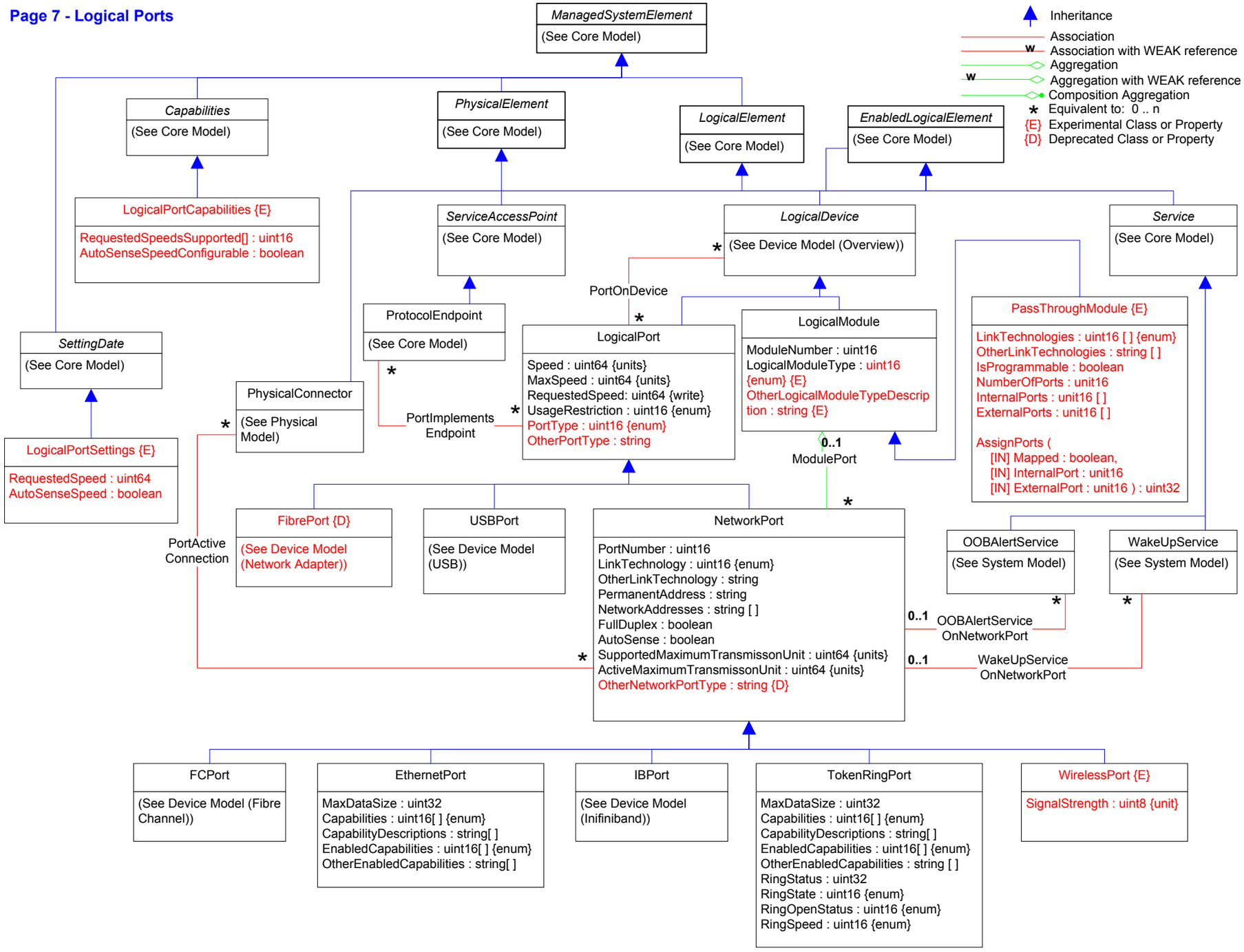


Page 6 - PCI Controllers

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

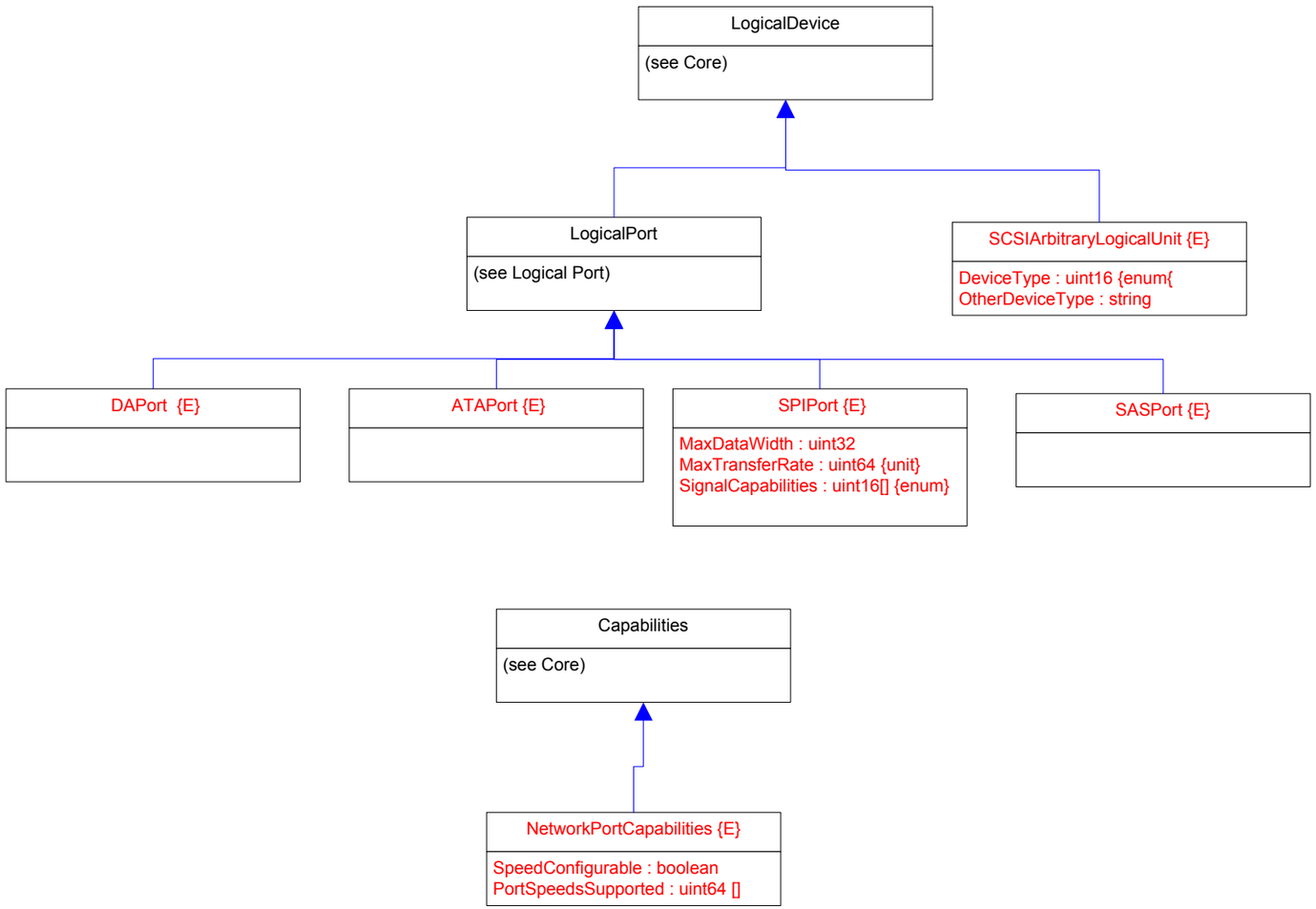


Page 7 - Logical Ports

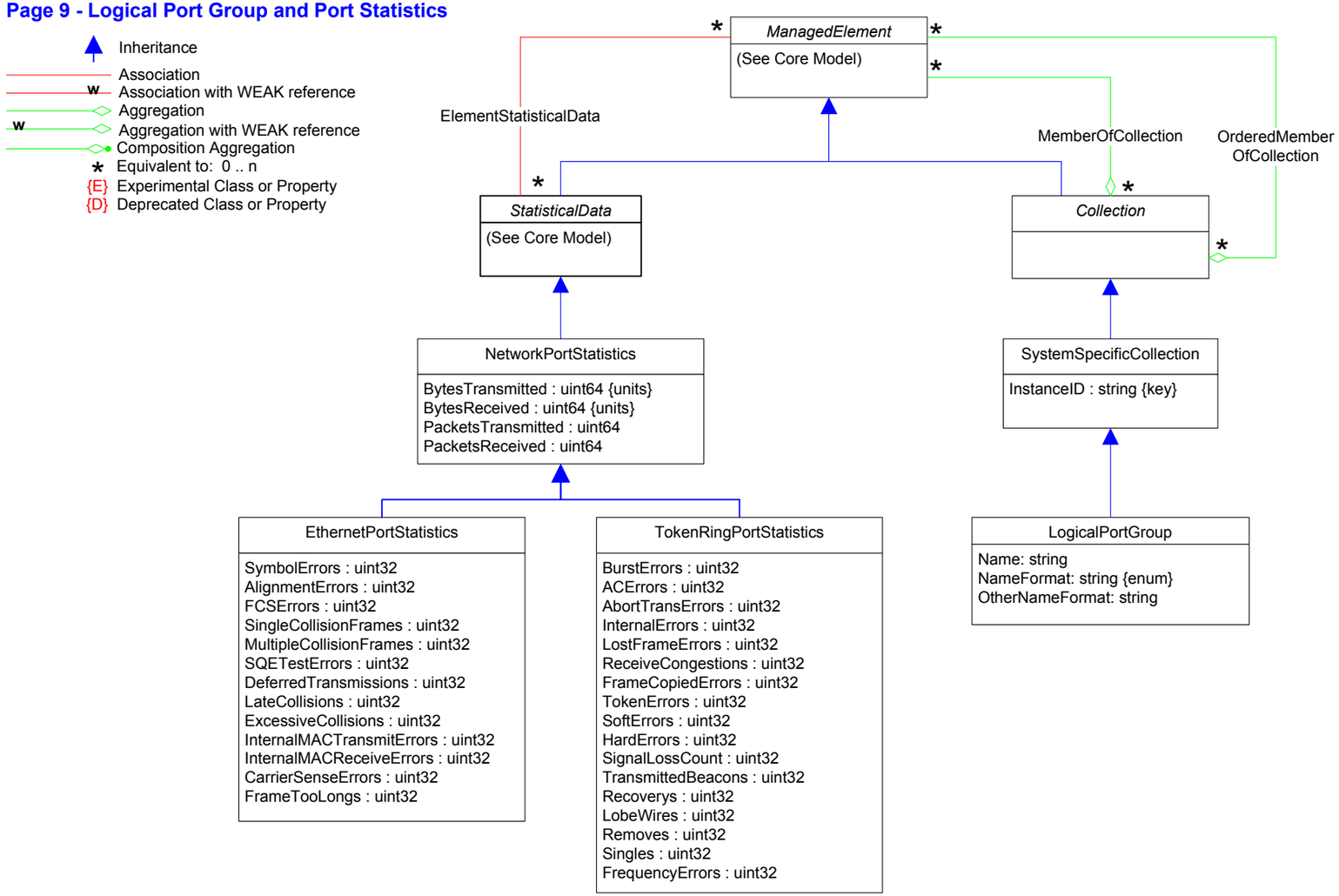


Page 8 – Ports 2

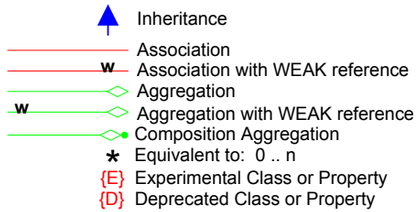
Inheritance
Association
w Association with WEAK reference
Aggregation
w Aggregation with WEAK reference
Composition Aggregation
* Equivalent to: 0 .. n
{E} Experimental Class or Property
{D} Deprecated Class or Property



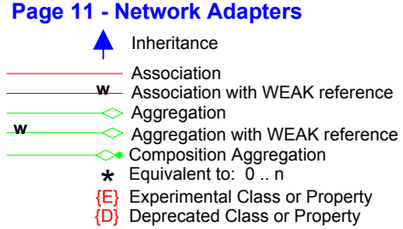
Page 9 - Logical Port Group and Port Statistics

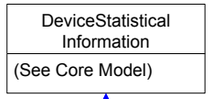


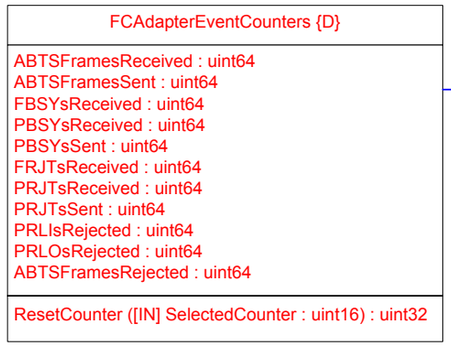
Page 10 - ProtocolController

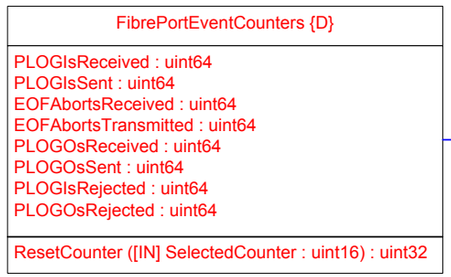


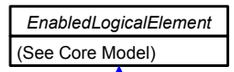
Page 11 - Network Adapters

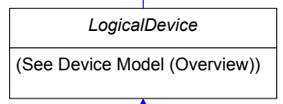


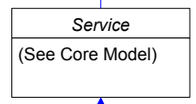


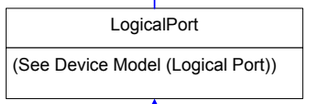


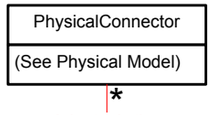


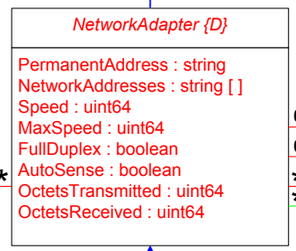


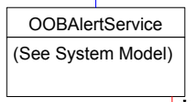


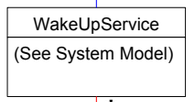


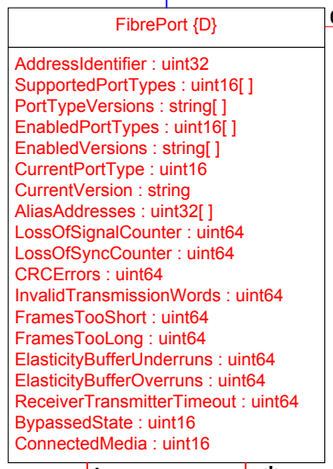


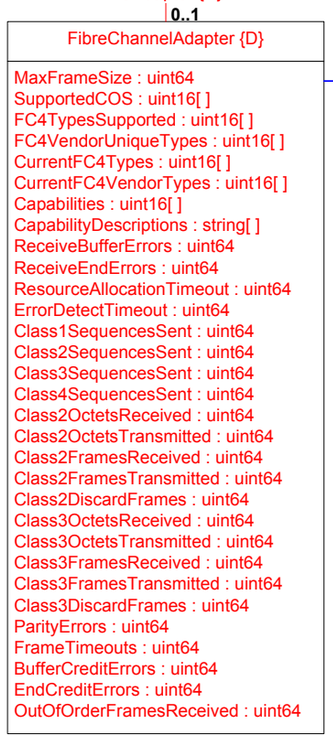


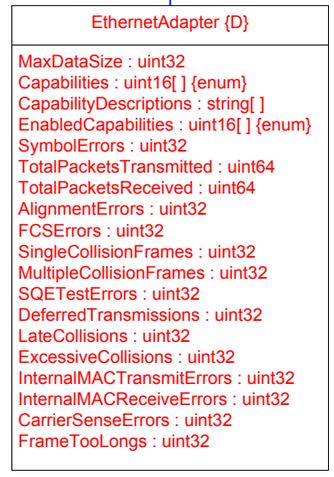


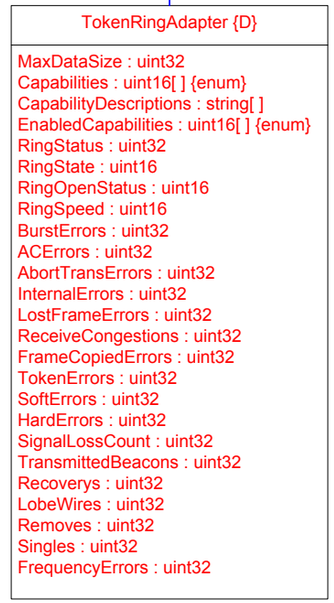


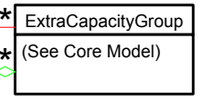






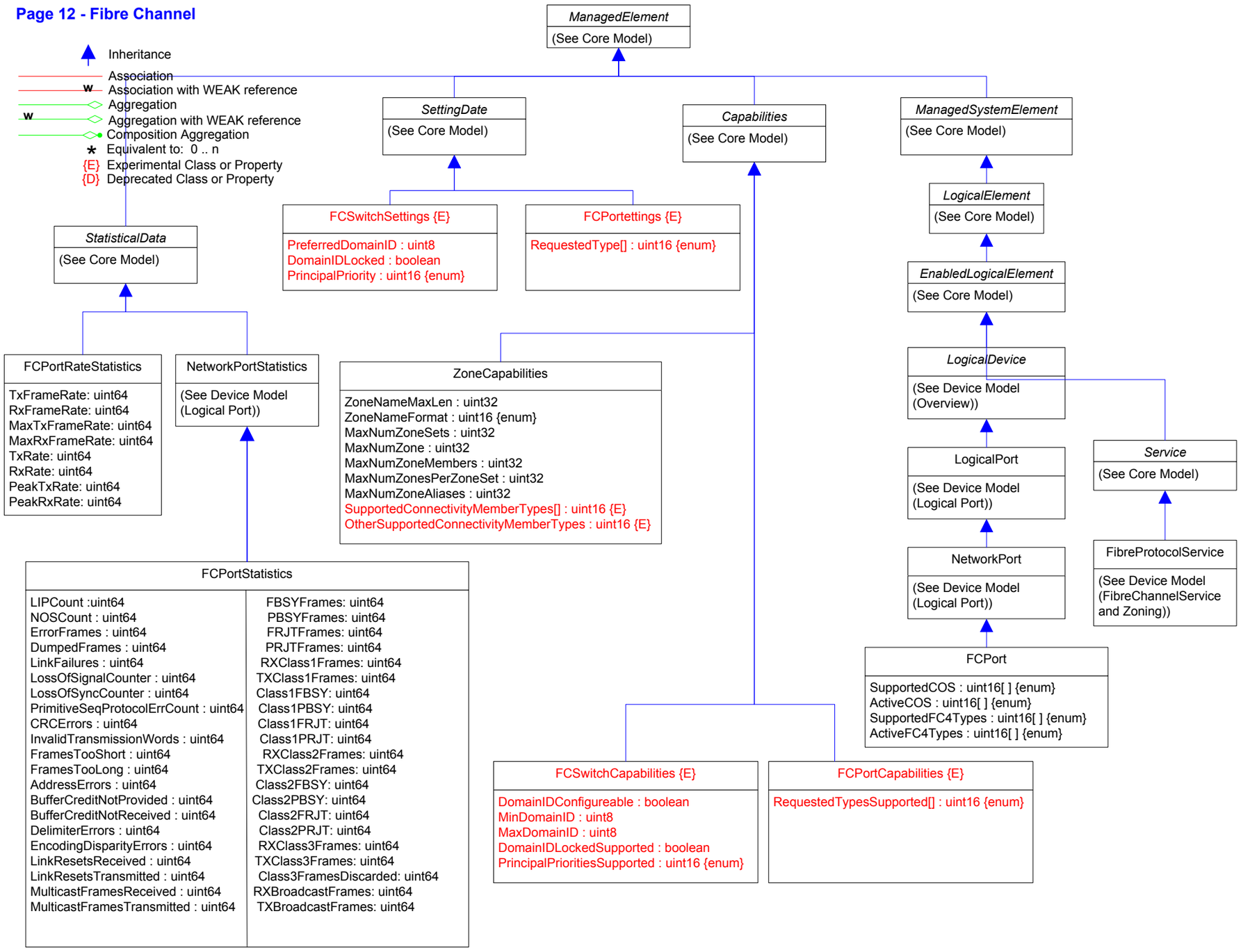




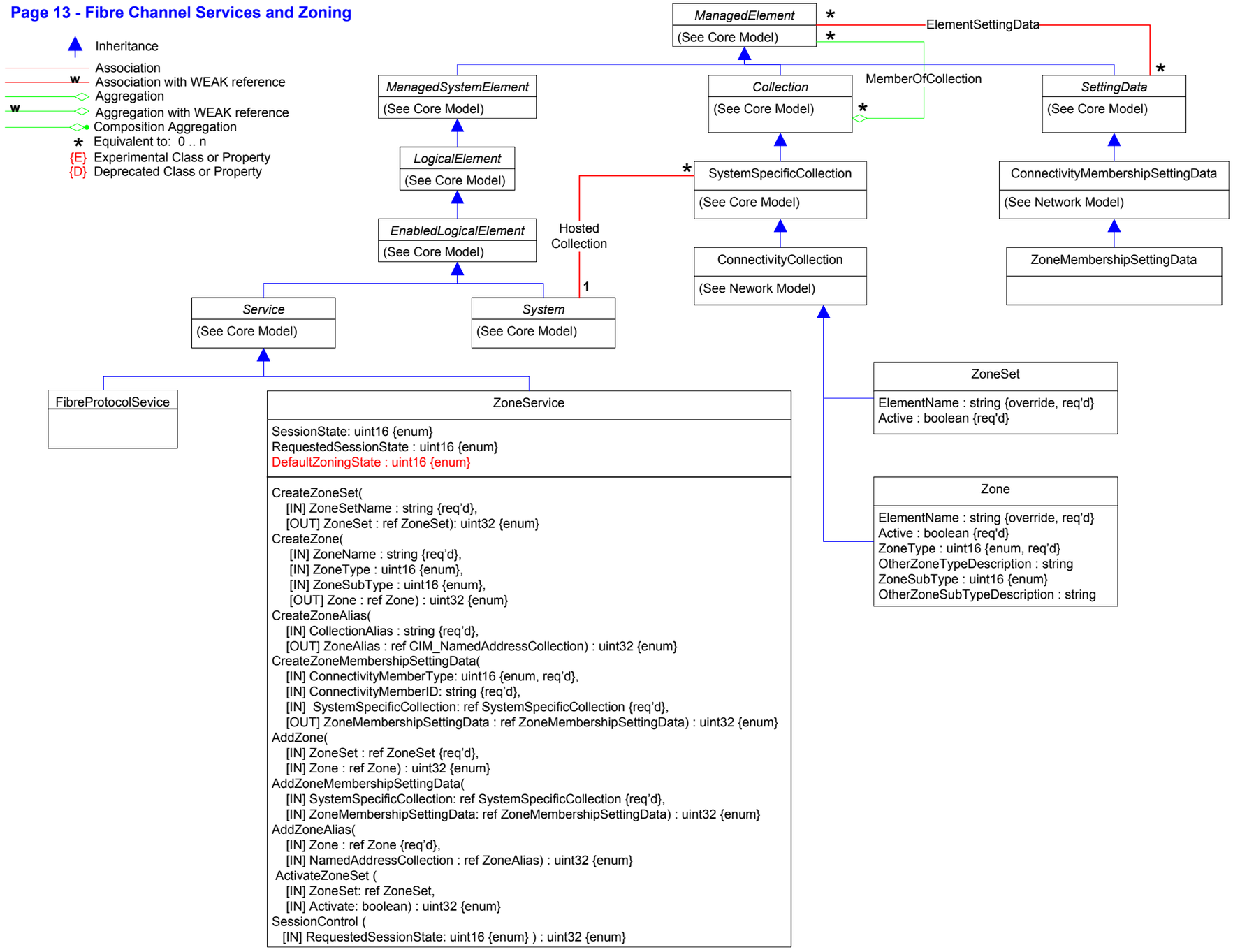


0..1
FibrePortOn FCAdapter {D}
0..1
AdapterActive Connection {D}
*
*
FibrePort ActiveLogin {D}
* *
0..1 OOBAlertServiceOn NetworkAdapter {D}
0..1
* *
WakeUpServiceOn NetworkAdapter {D}
Network VirtualAdapter {D}
* *
NetworkAdapter RedundancyComponent {D}
* *

Page 12 - Fibre Channel

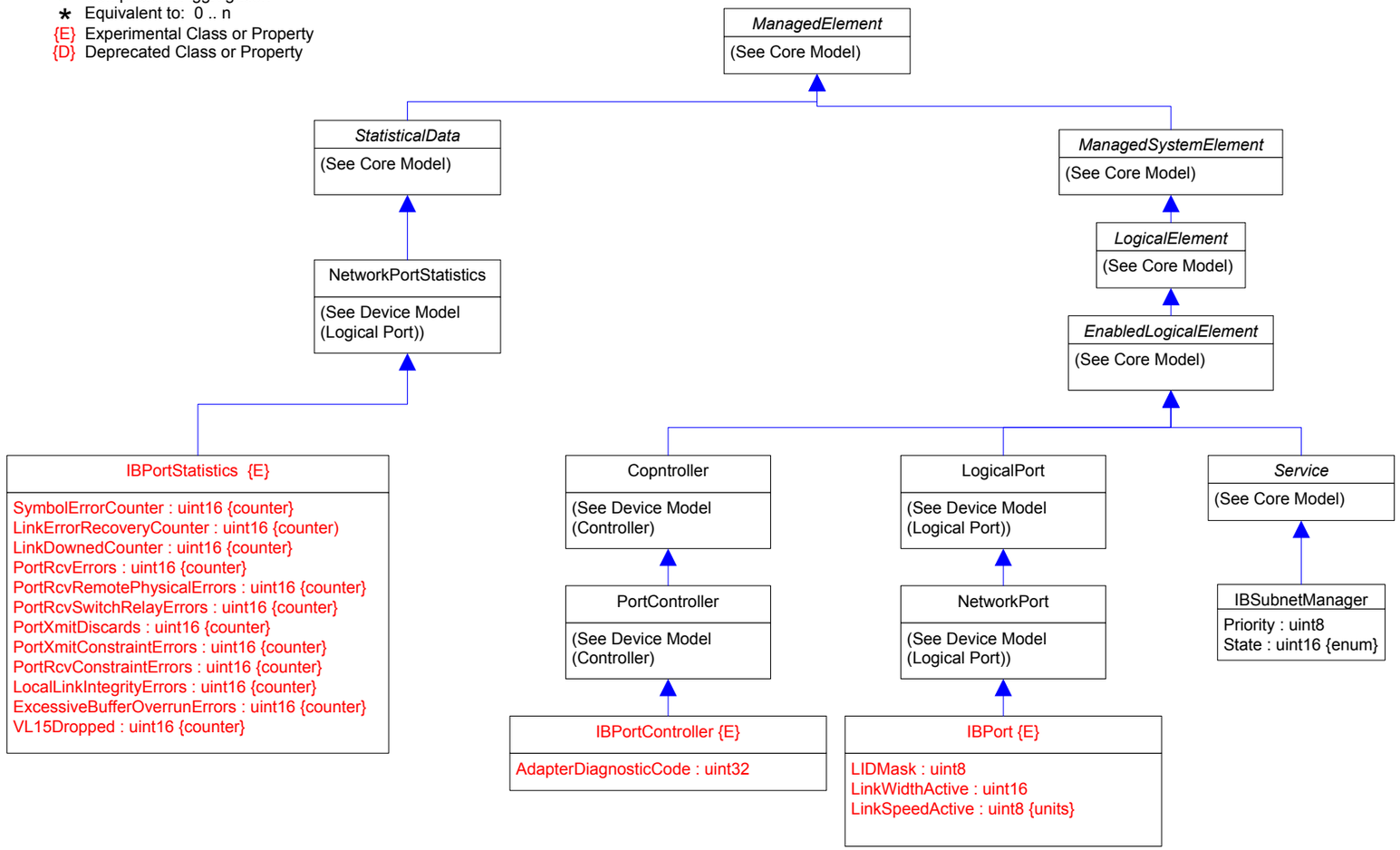


Page 13 - Fibre Channel Services and Zoning

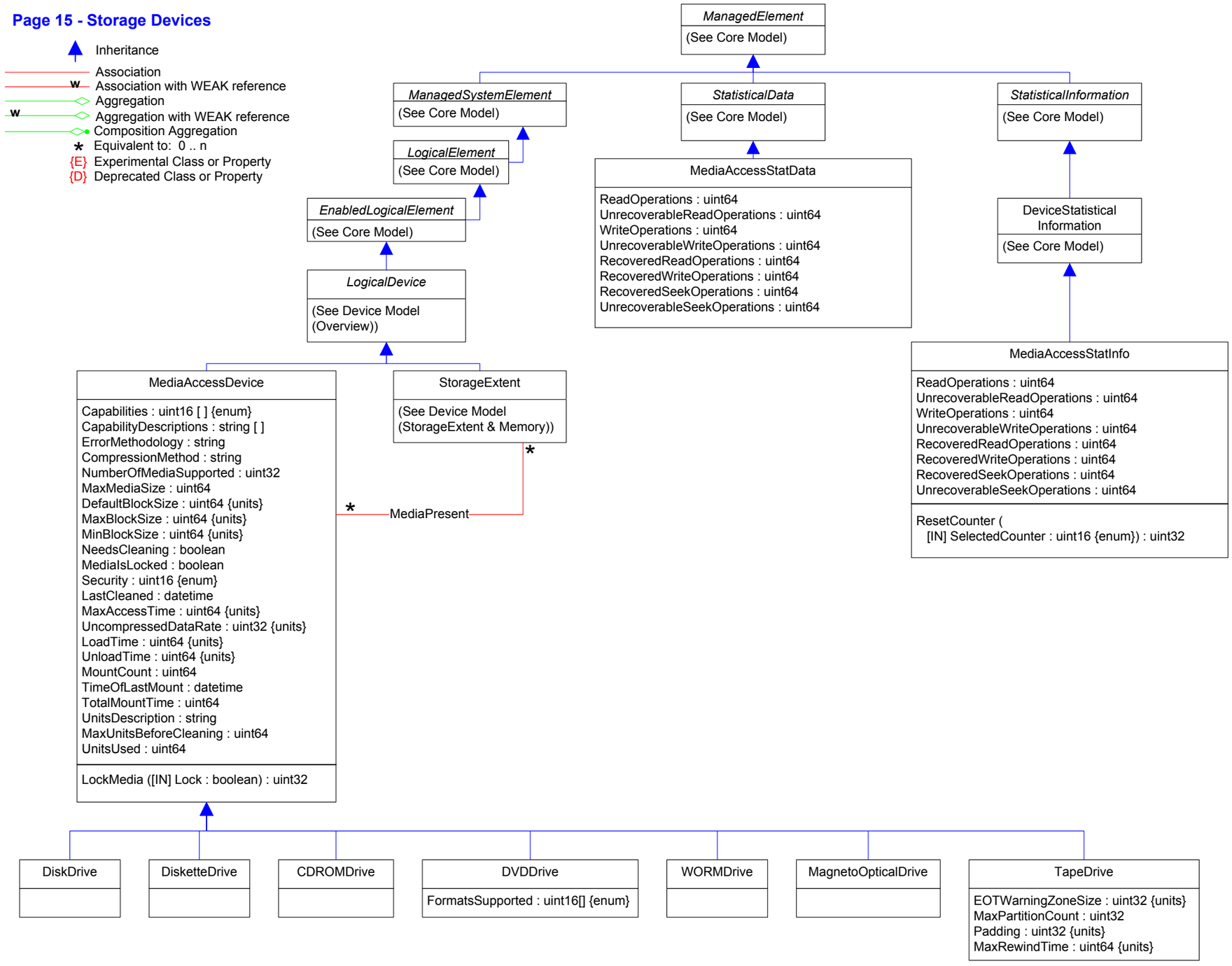


Page 14 - Infiniband

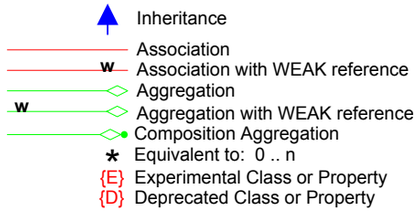
Inheritance
Association
w Association with WEAK reference
Aggregation
w Aggregation with WEAK reference
Composition Aggregation
* Equivalent to: 0 .. n
{E} Experimental Class or Property
{D} Deprecated Class or Property



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}

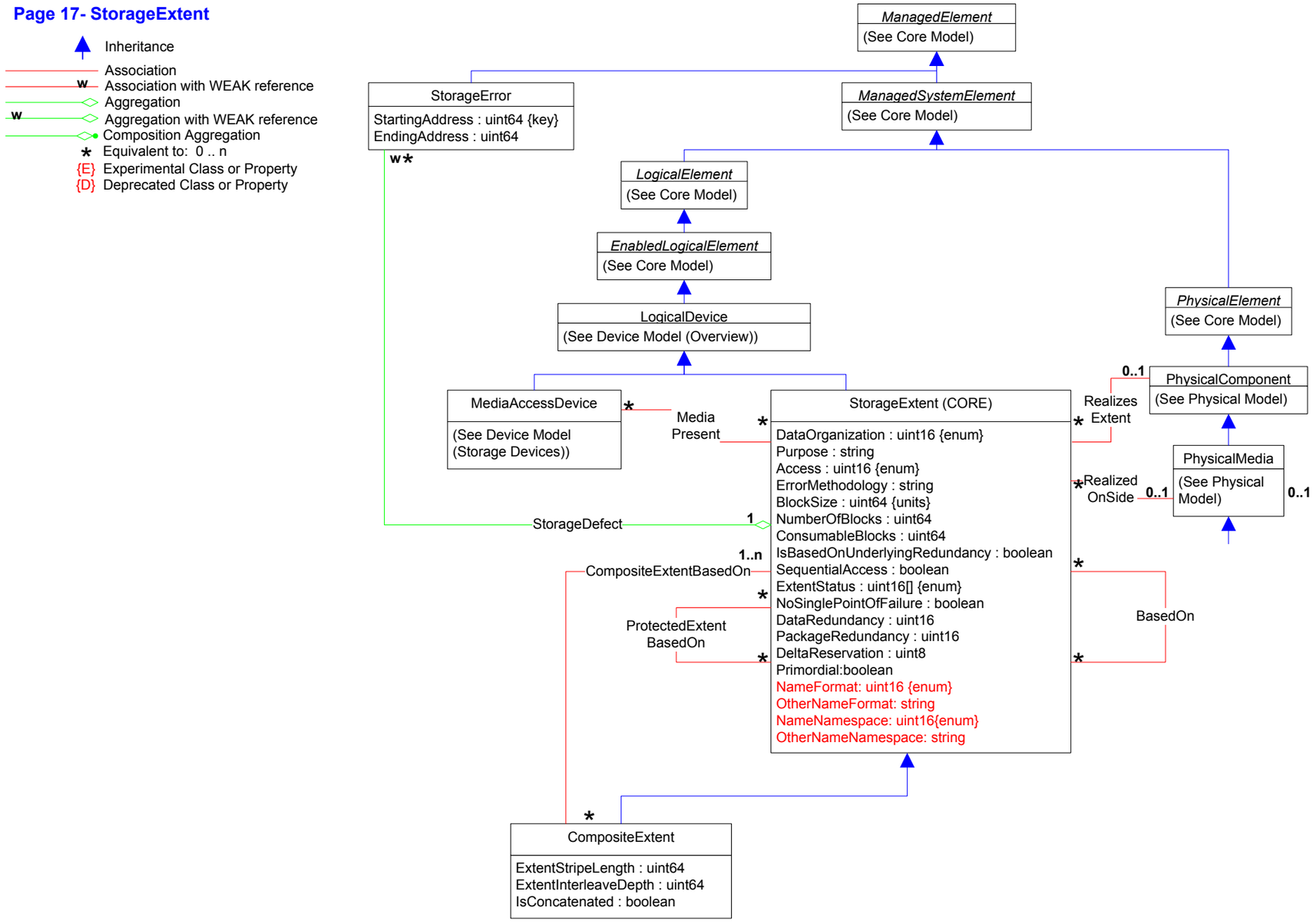
SupportedLoadBalanceTypes : uint16 {enum}
OtherSupportedLoadBalanceAlgorithmNames : string []
OtherSupportedLoadBalanceVendorNames : string[]
CanSetTPGAccess : boolean
CanOverridePaths : boolean
ExposesPathDeviceFiles : boolean
DeviceNameFilespace : string
OnlySupportsSpecifidProducts : boolean
MaximumWeight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

SCSIProtocolEndpoint
(See Networks Model)

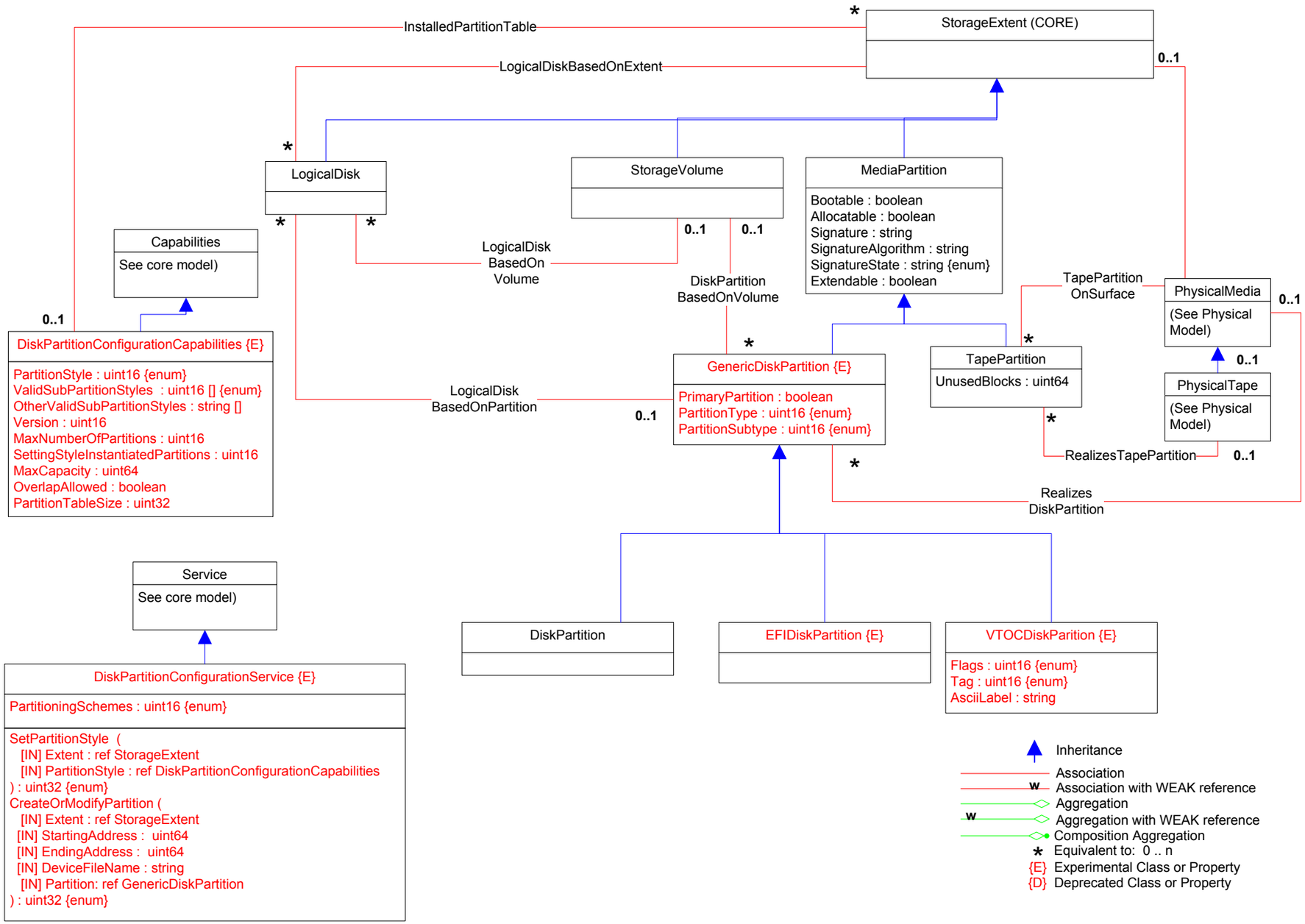
SCSIInitiatorTargetLogicalUnitPath {E}

LogicalDevice
(See Core Model)

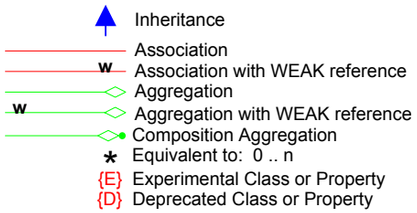
Page 17- StorageExtent



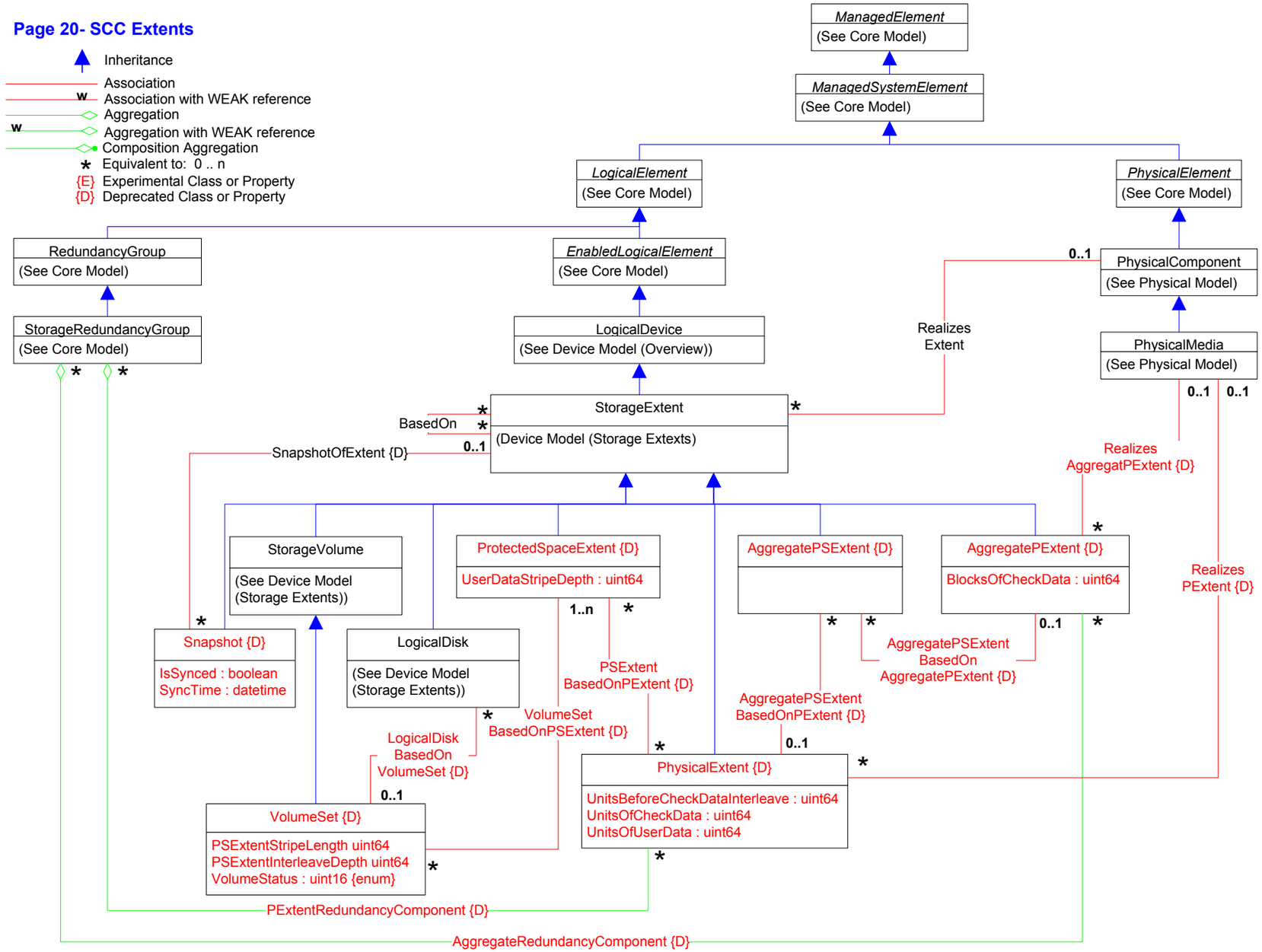
Page 18- StorageExtent 2



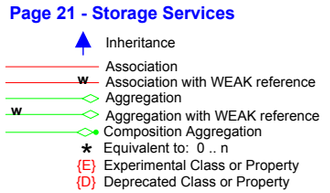
Page 20 - Storage Name Binding

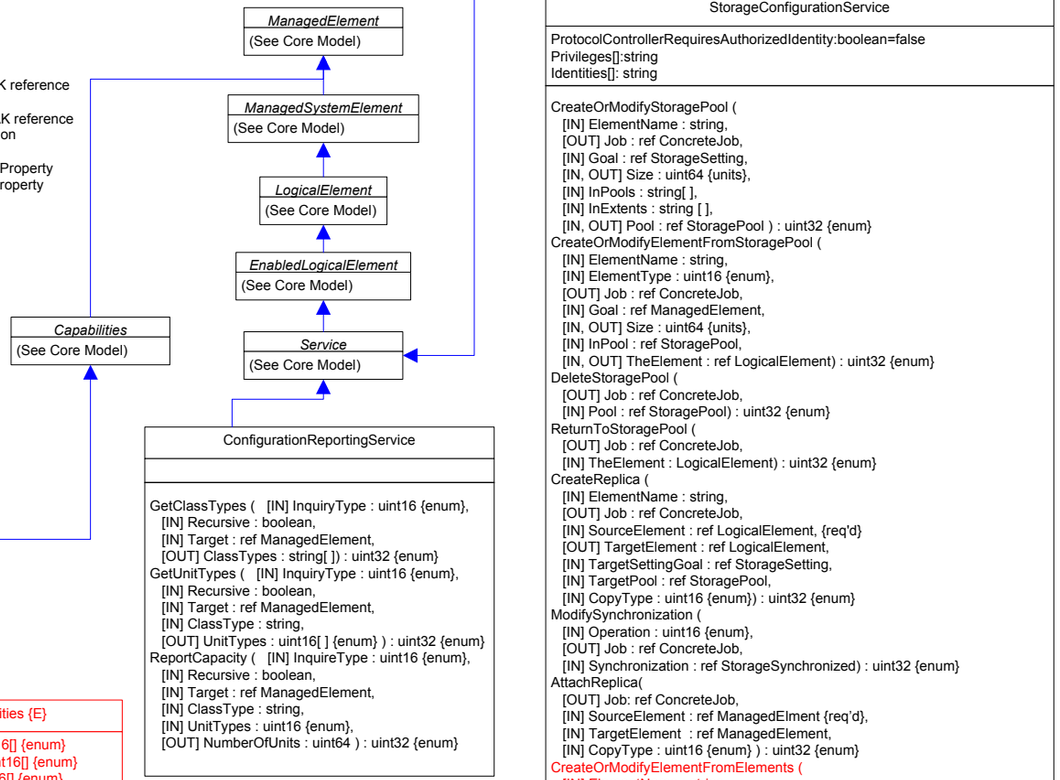


Page 20- SCC Extents

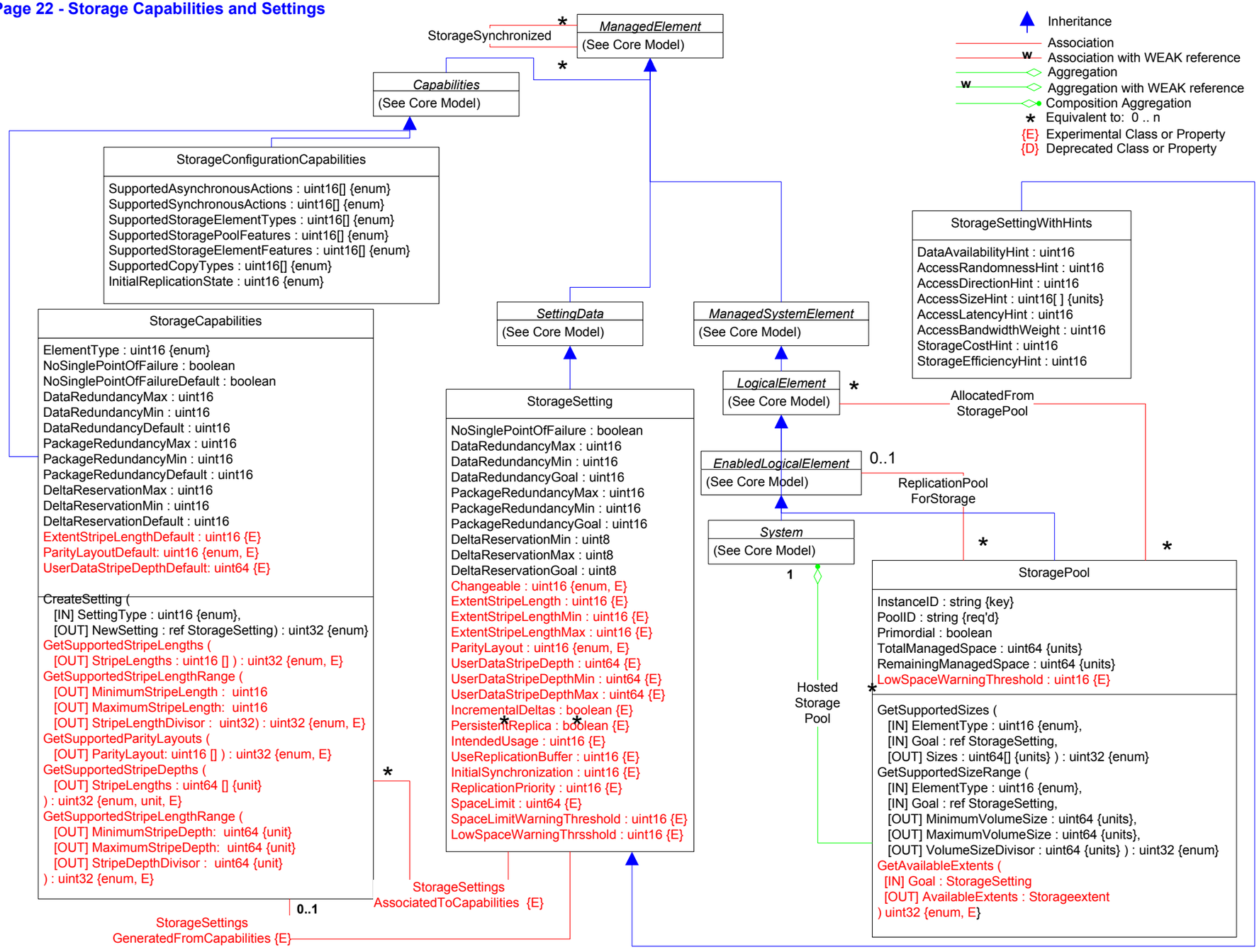


Page 21 - Storage Services

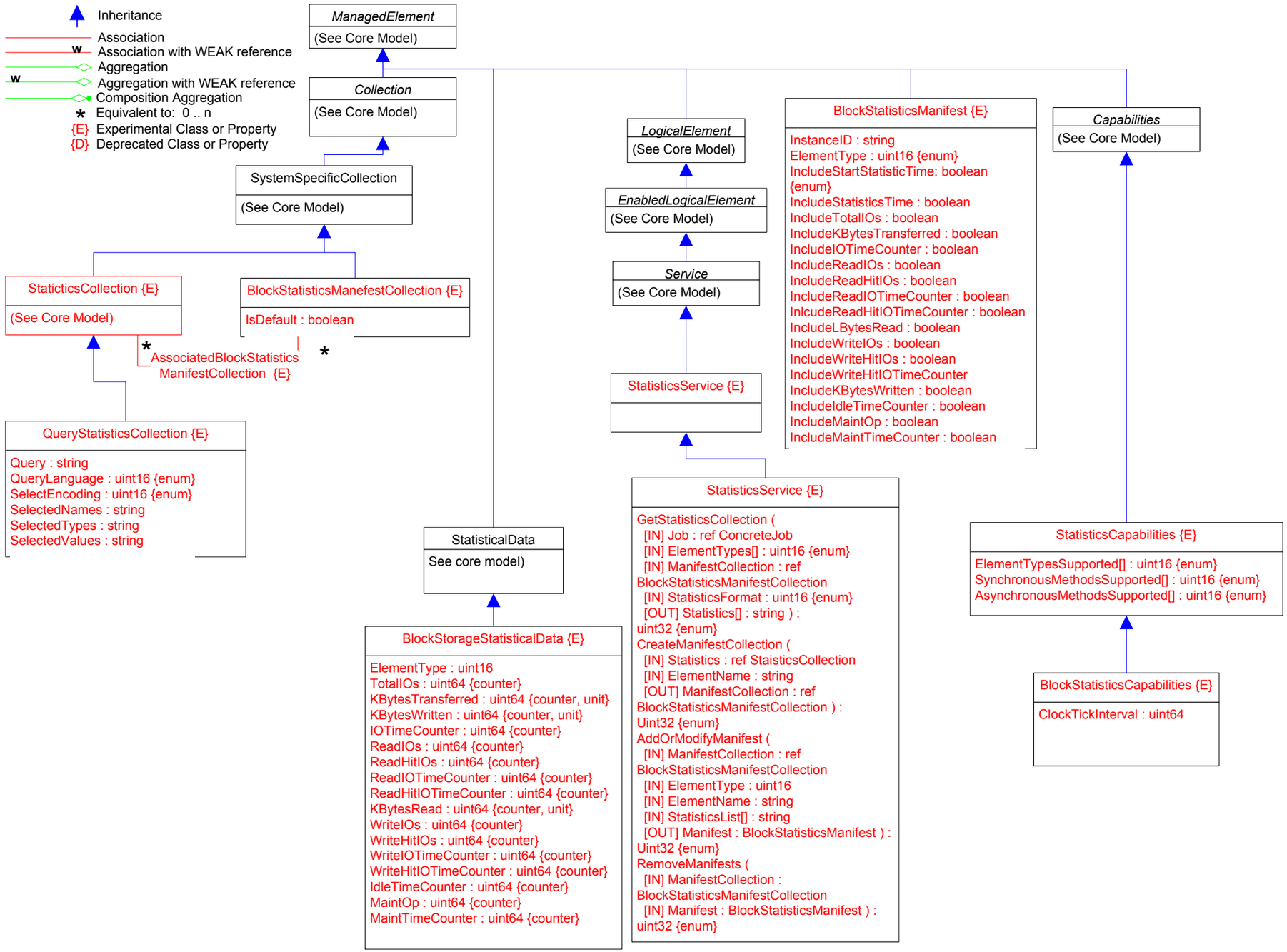




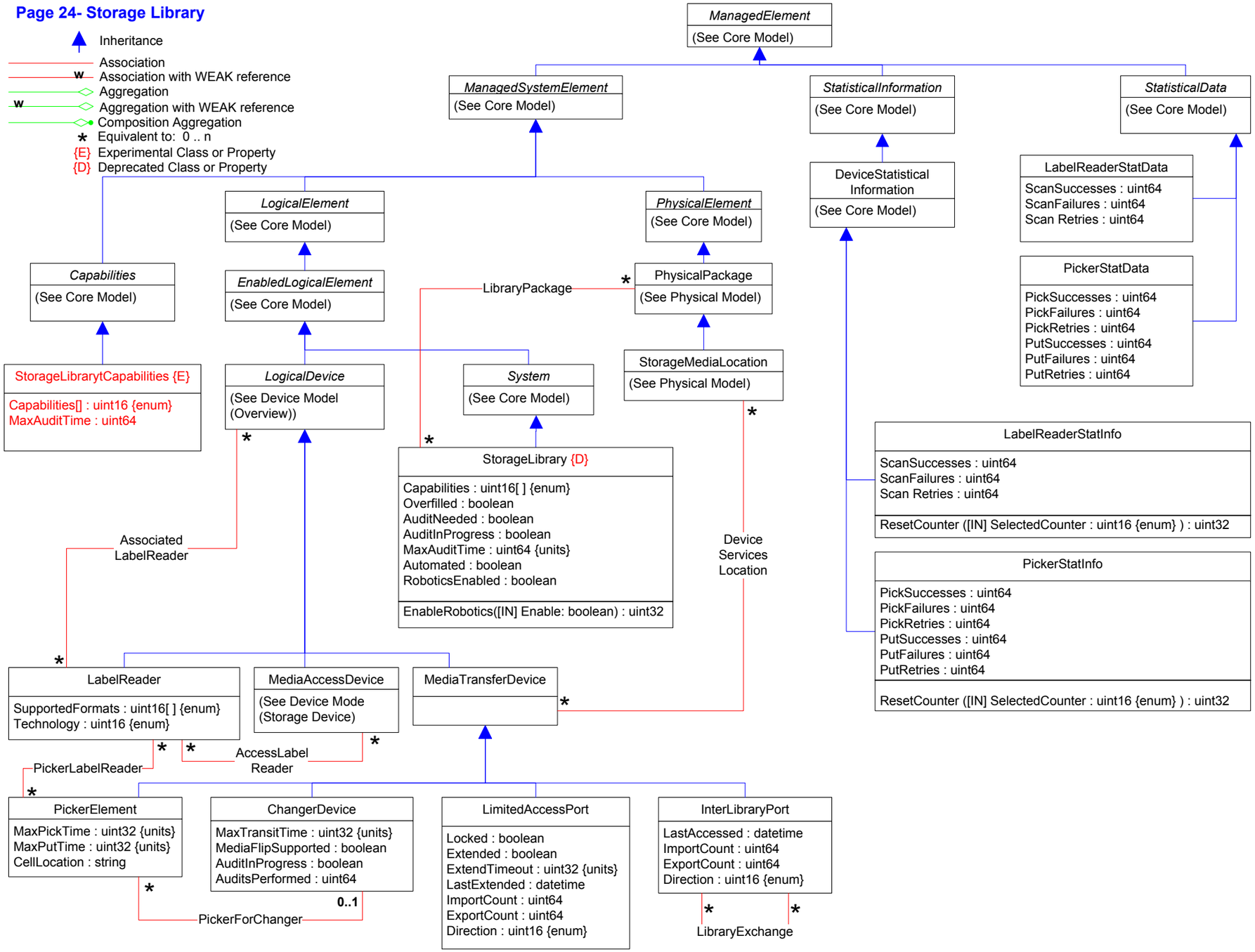
Page 22 - Storage Capabilities and Settings



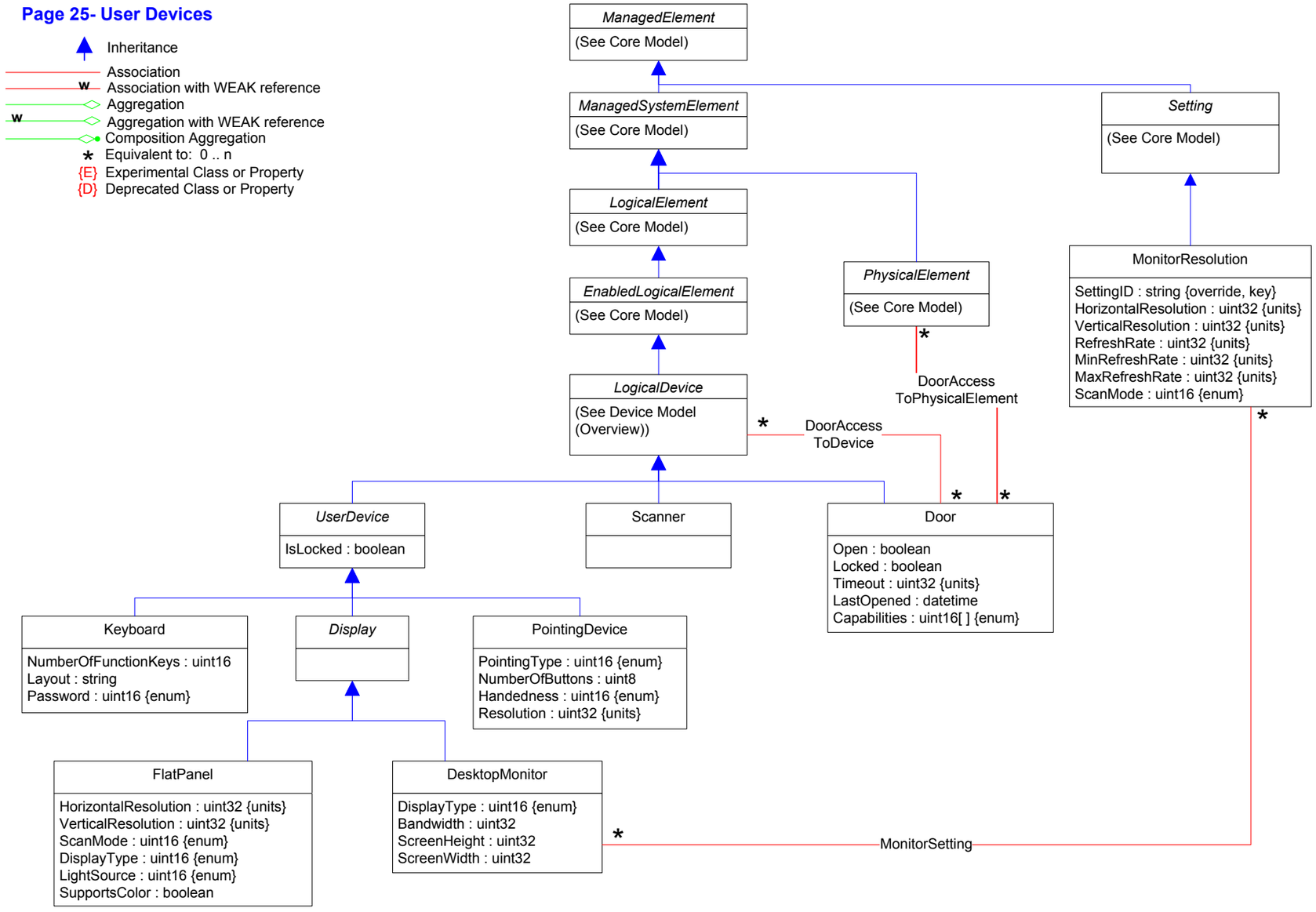
Page 23 - Storage Statistics



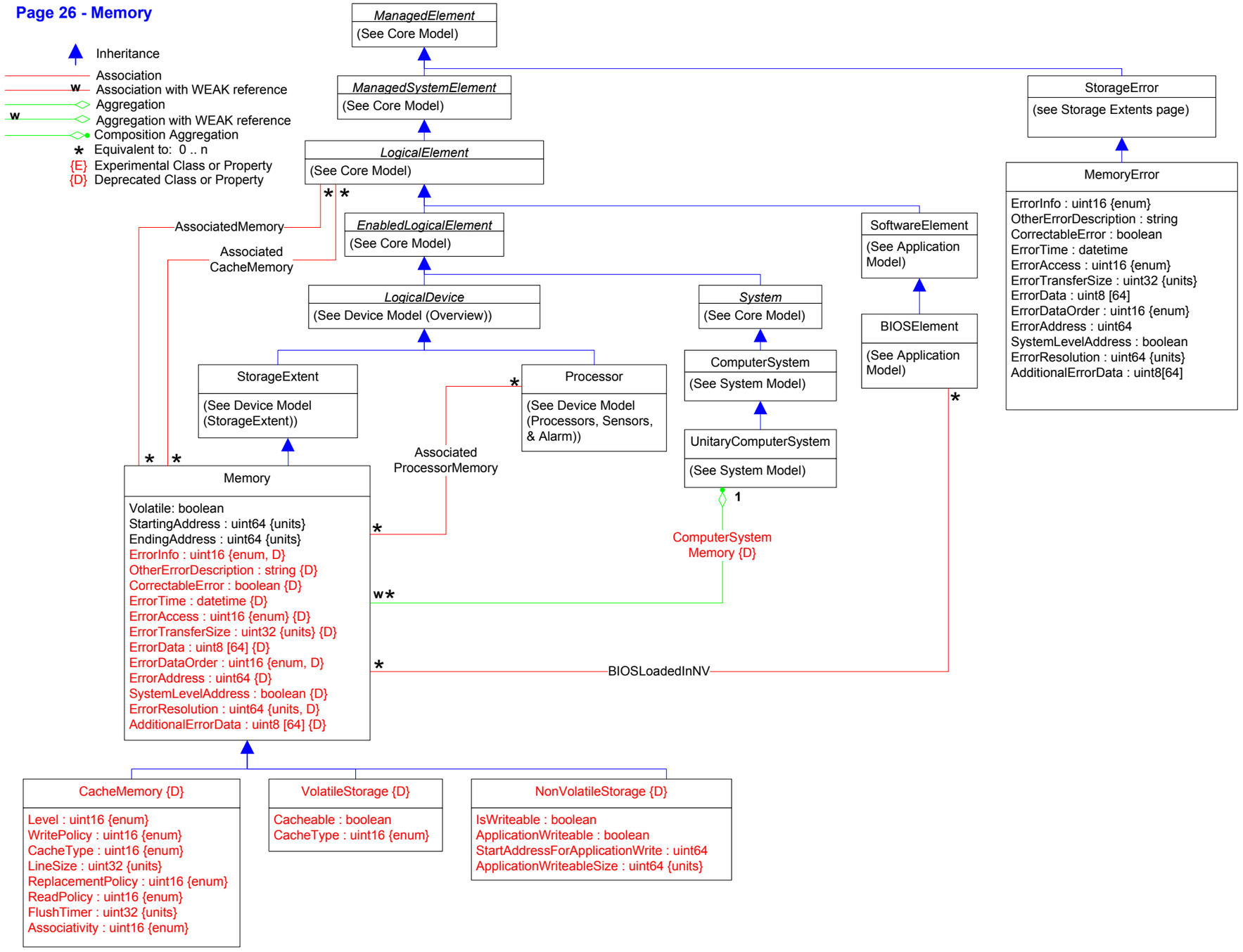
Page 24- Storage Library



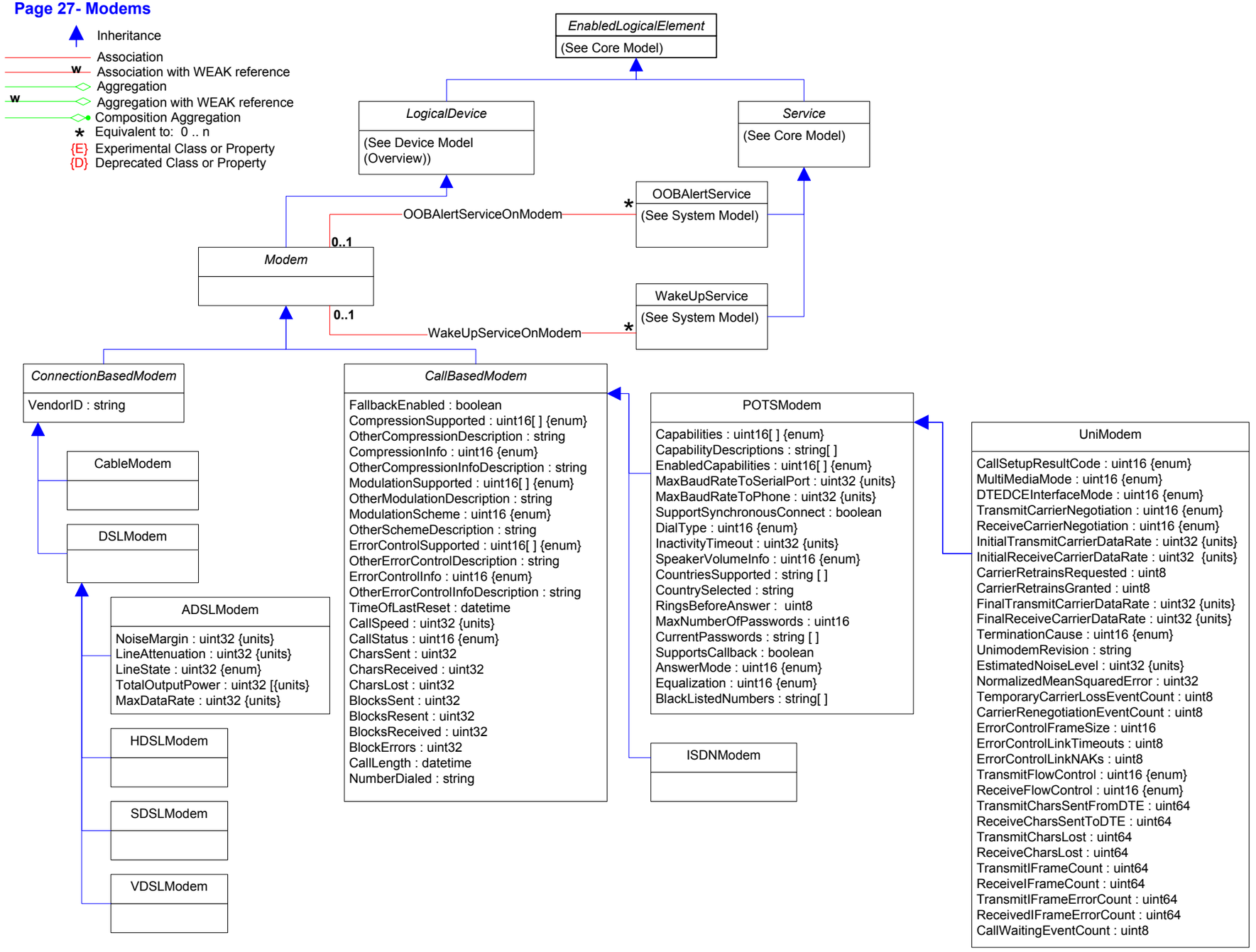
Page 25- User Devices



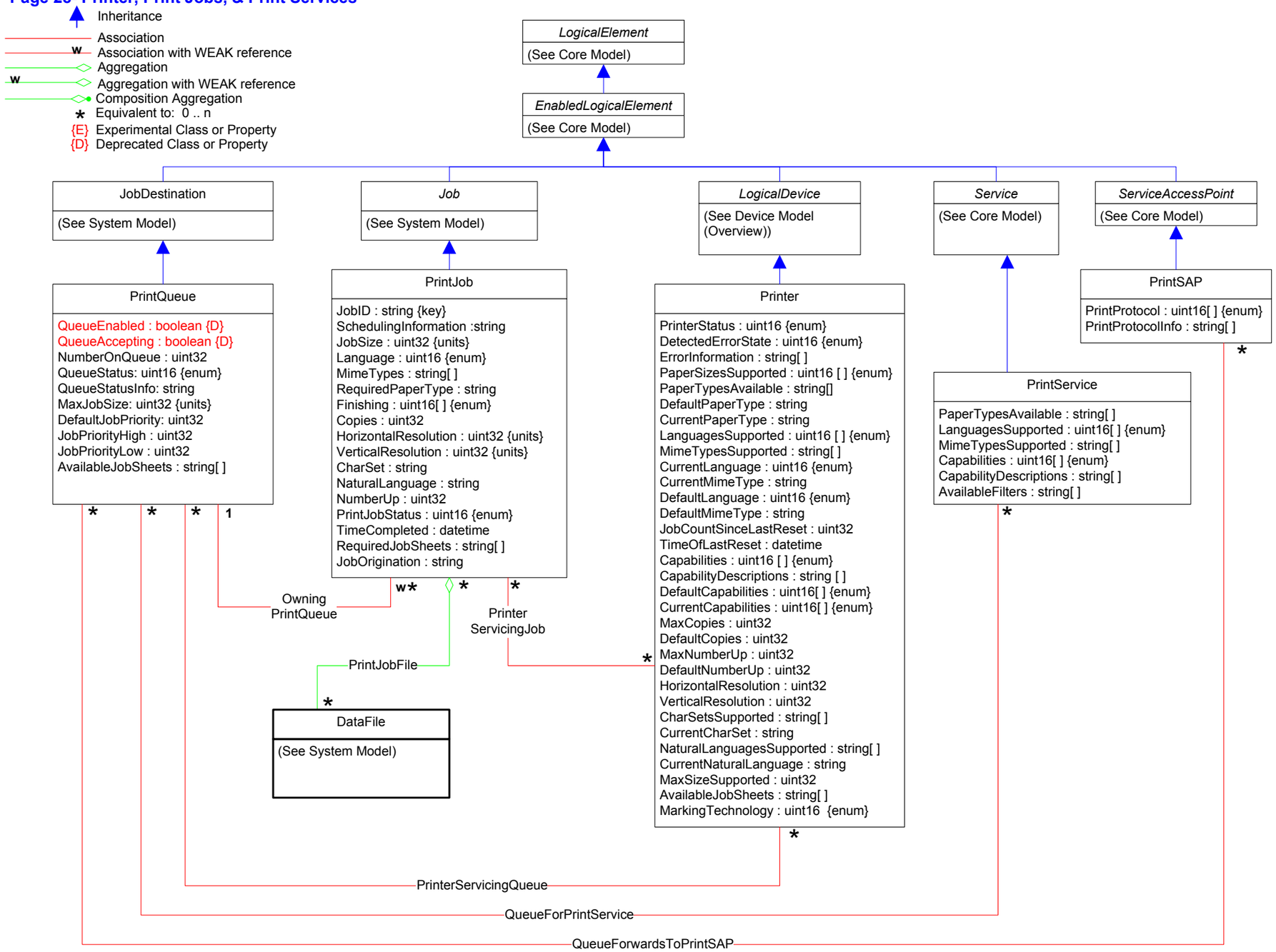
Page 26 - Memory



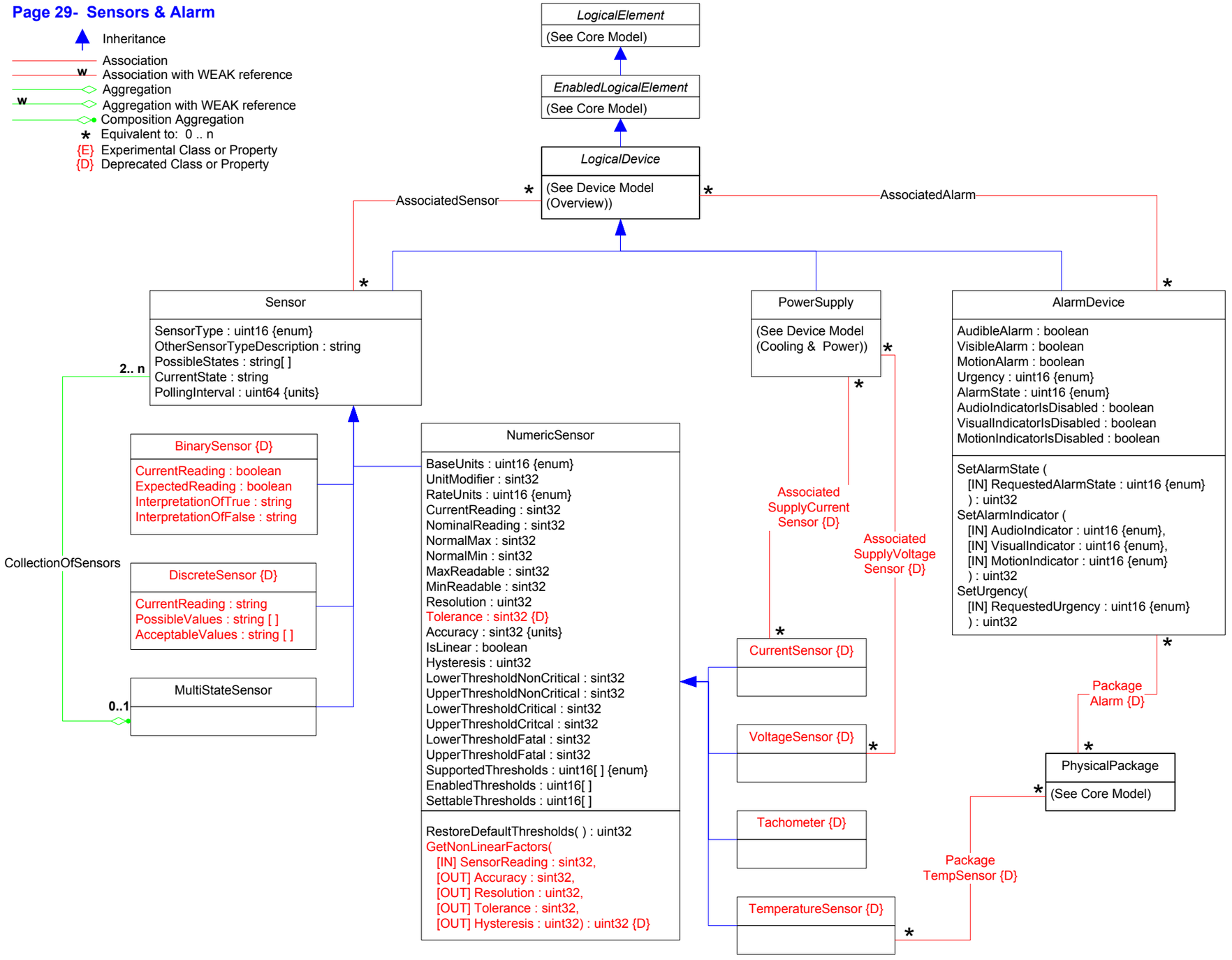
Page 27- Modems



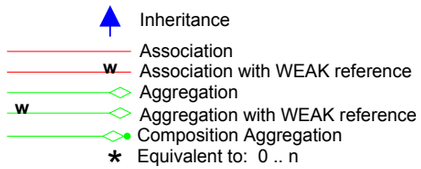
Page 28- Printer, Print Jobs, & Print Services

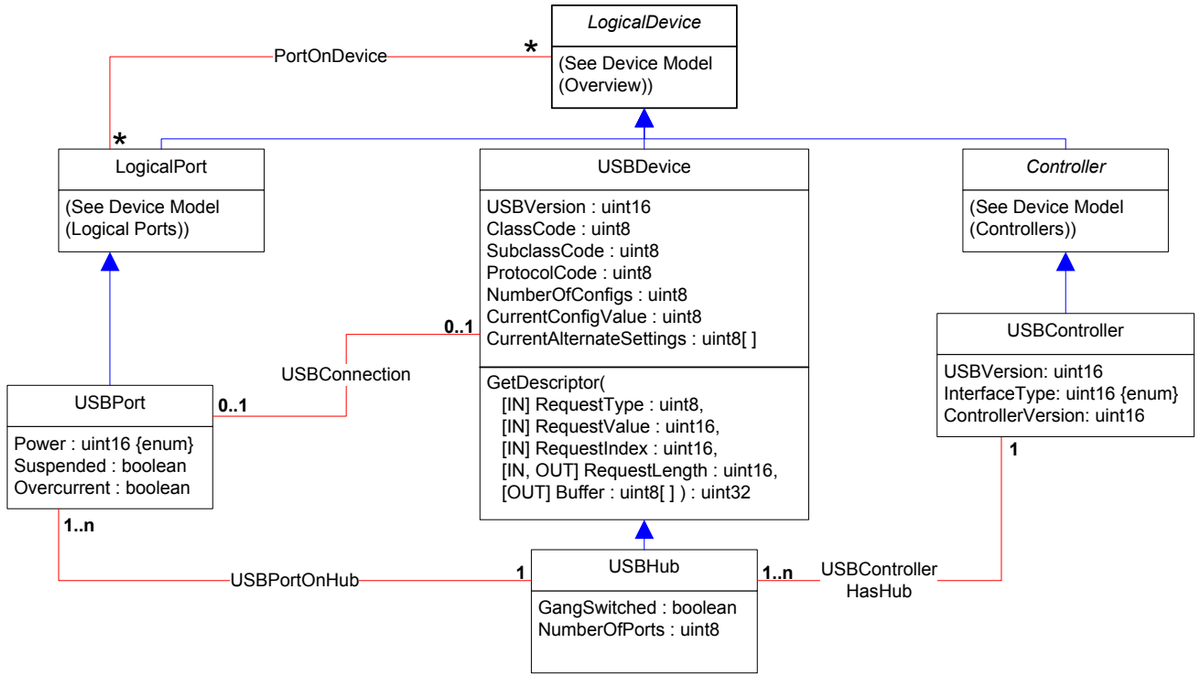


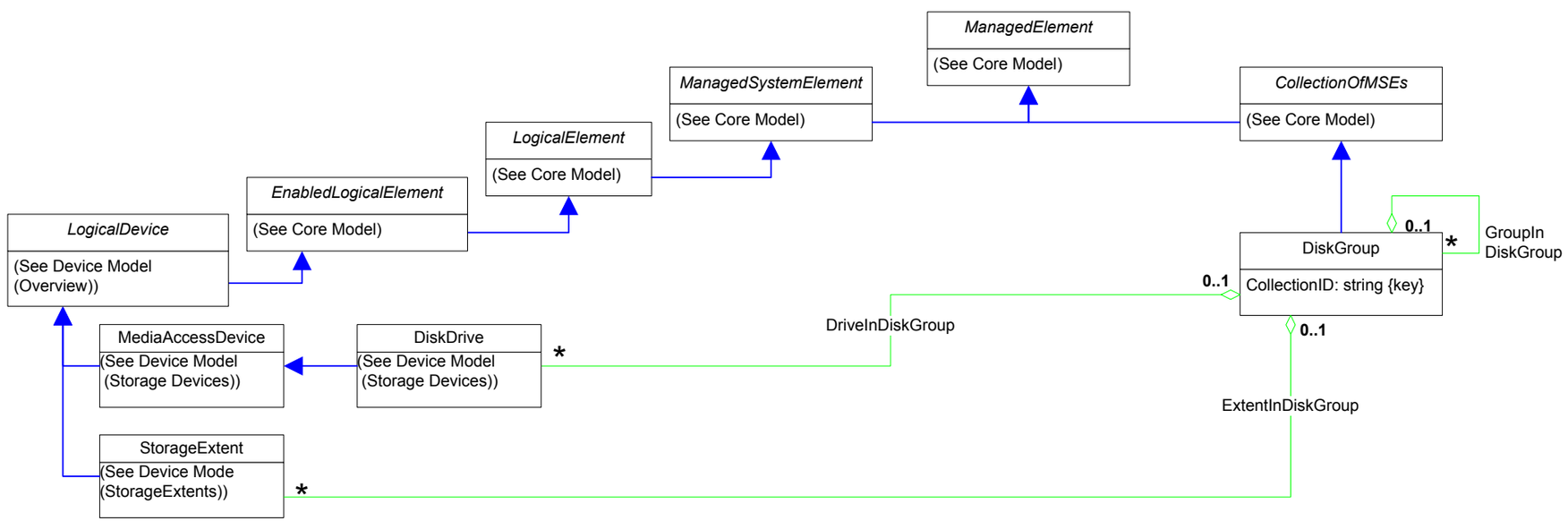
Page 29- Sensors & Alarm



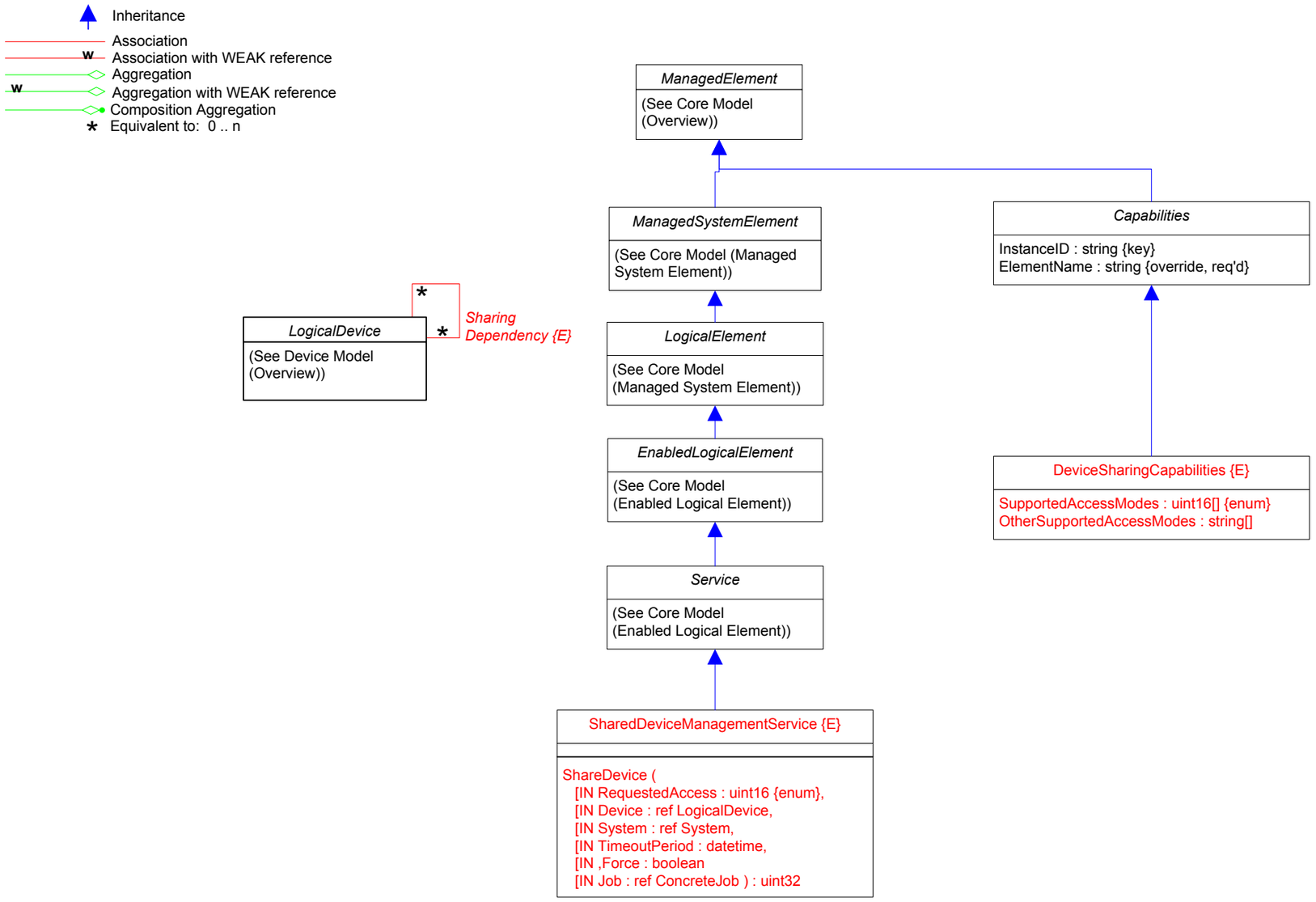
Page 30- USB and Disk Group



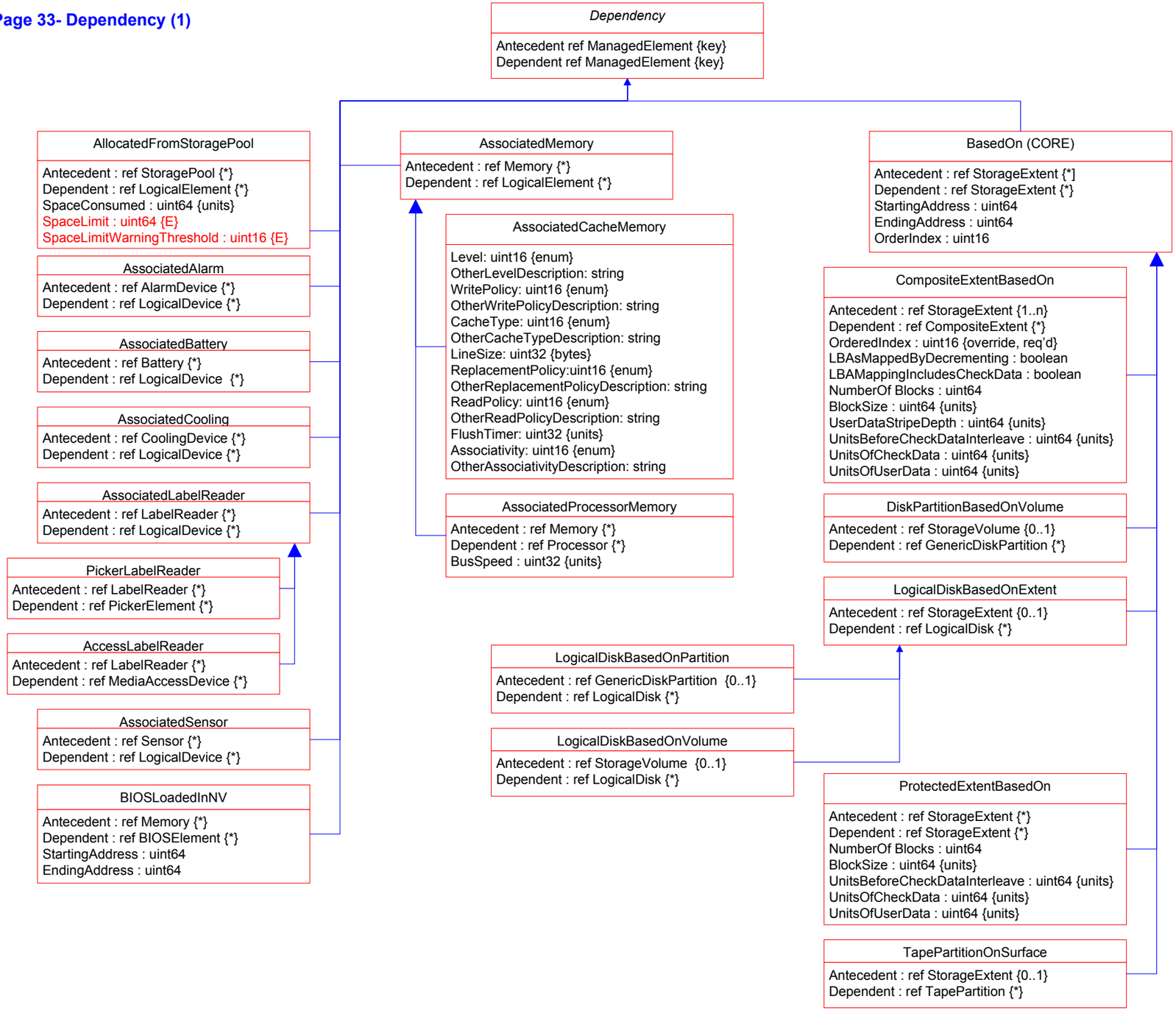




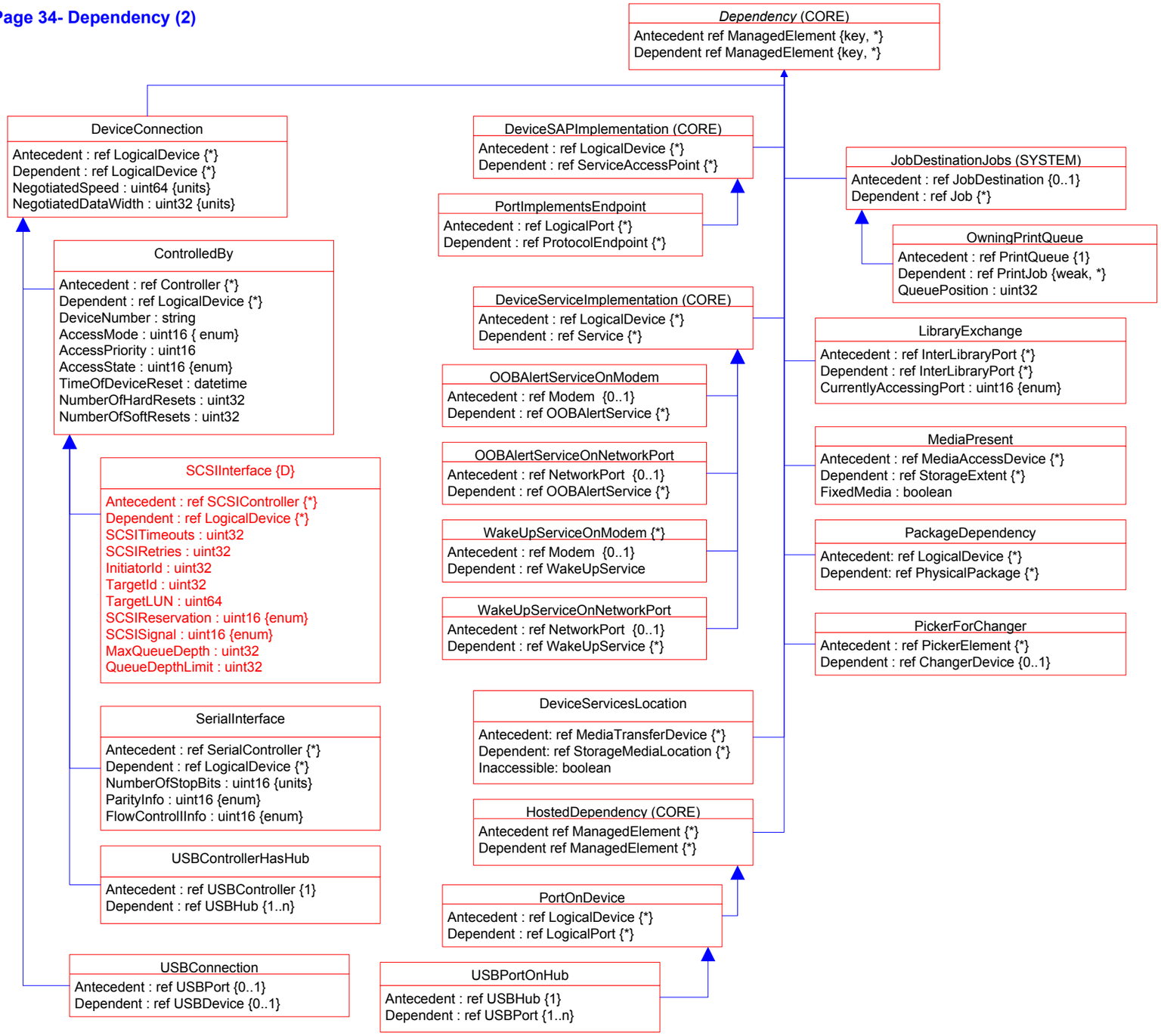
Page 32- Device Sharing



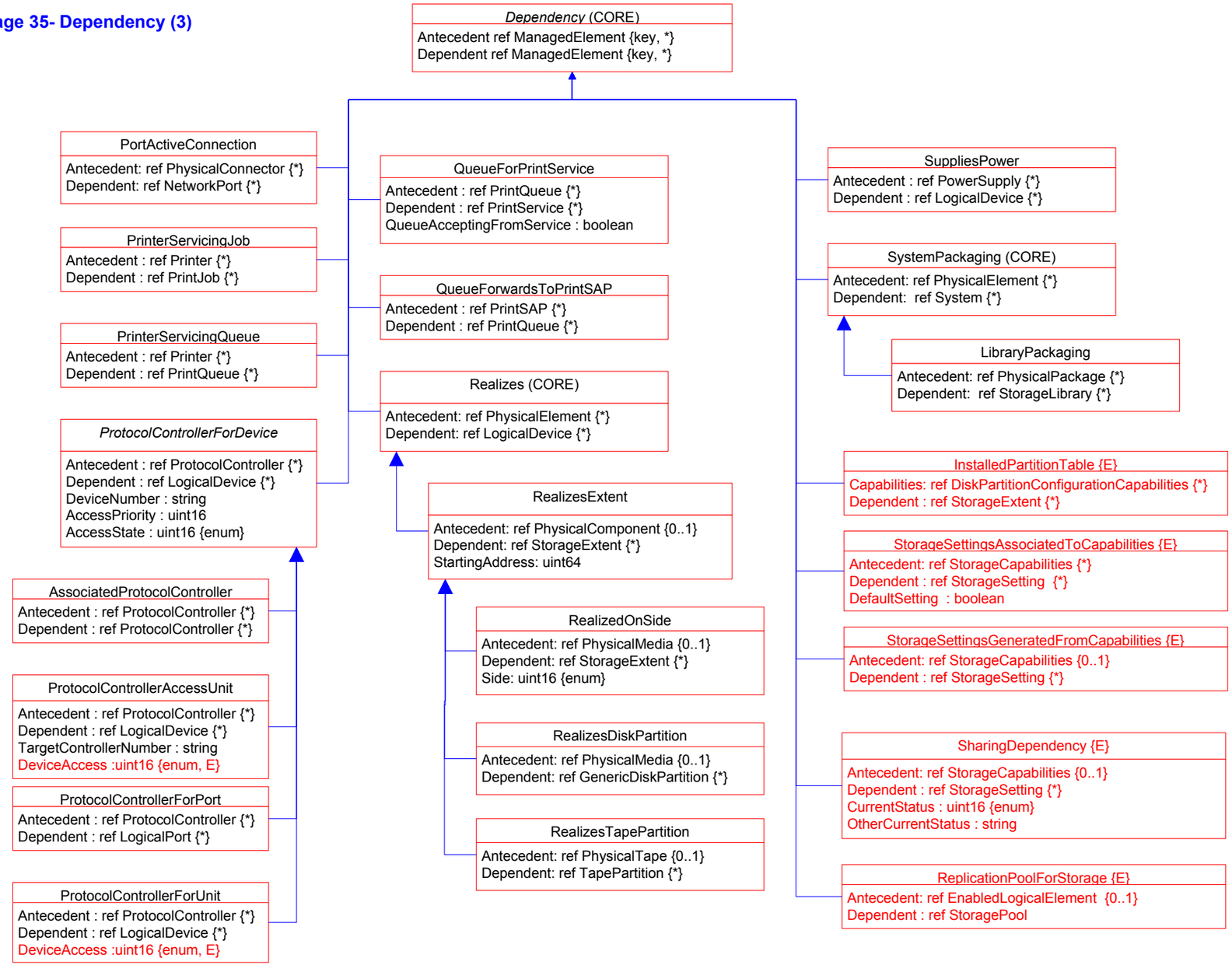
Page 33- Dependency (1)



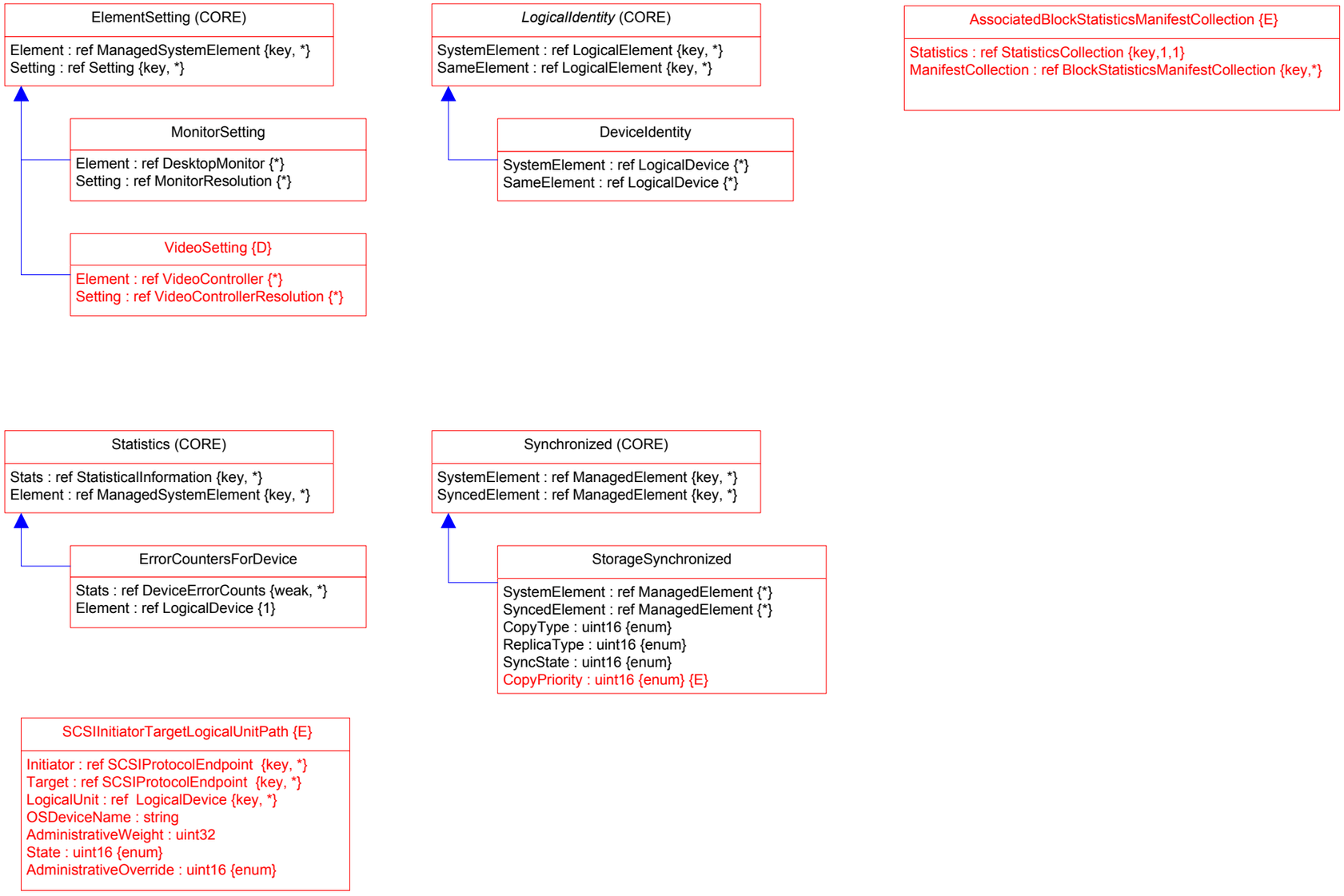
Page 34- Dependency (2)



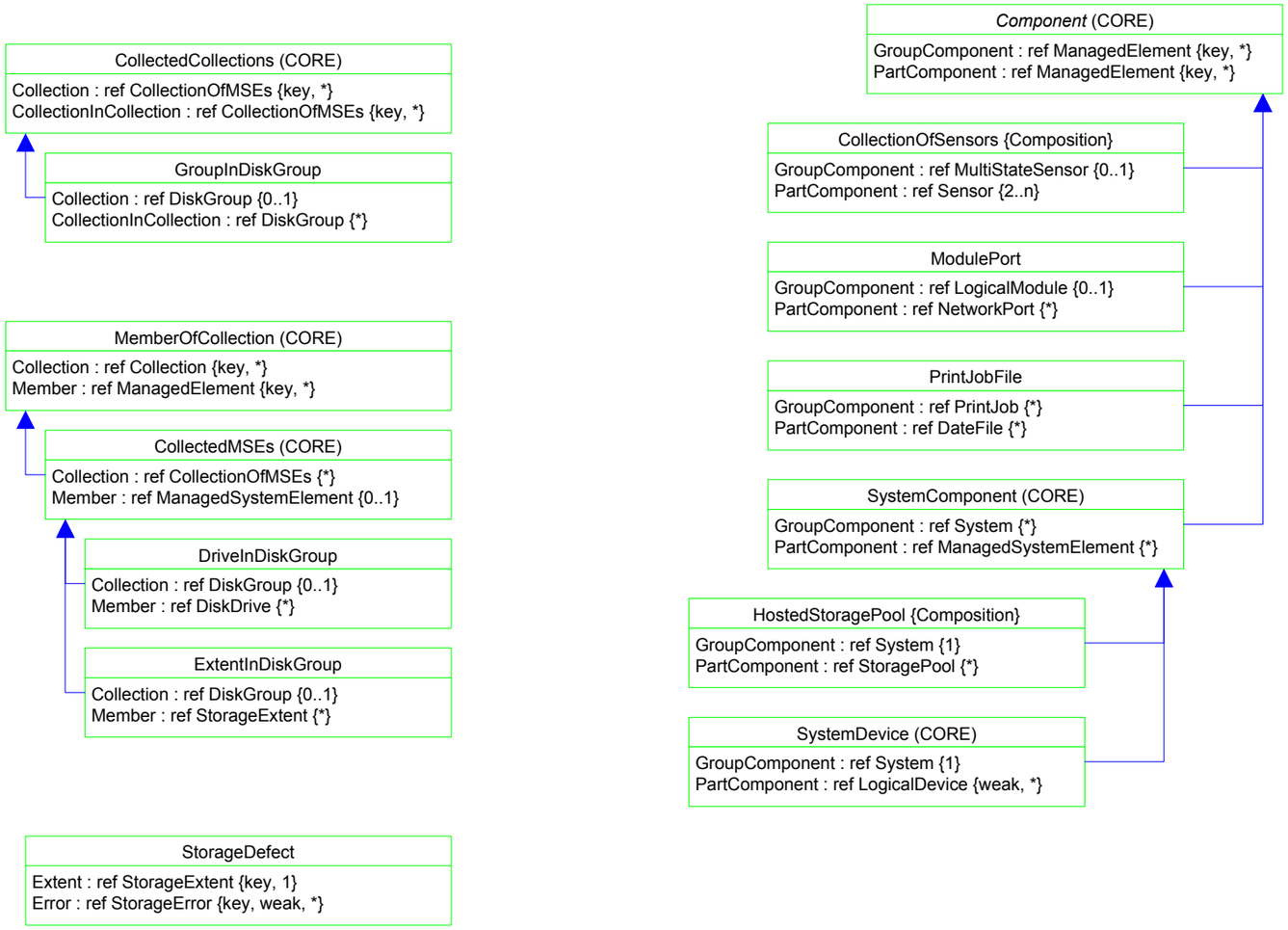
Page 35- Dependency (3)



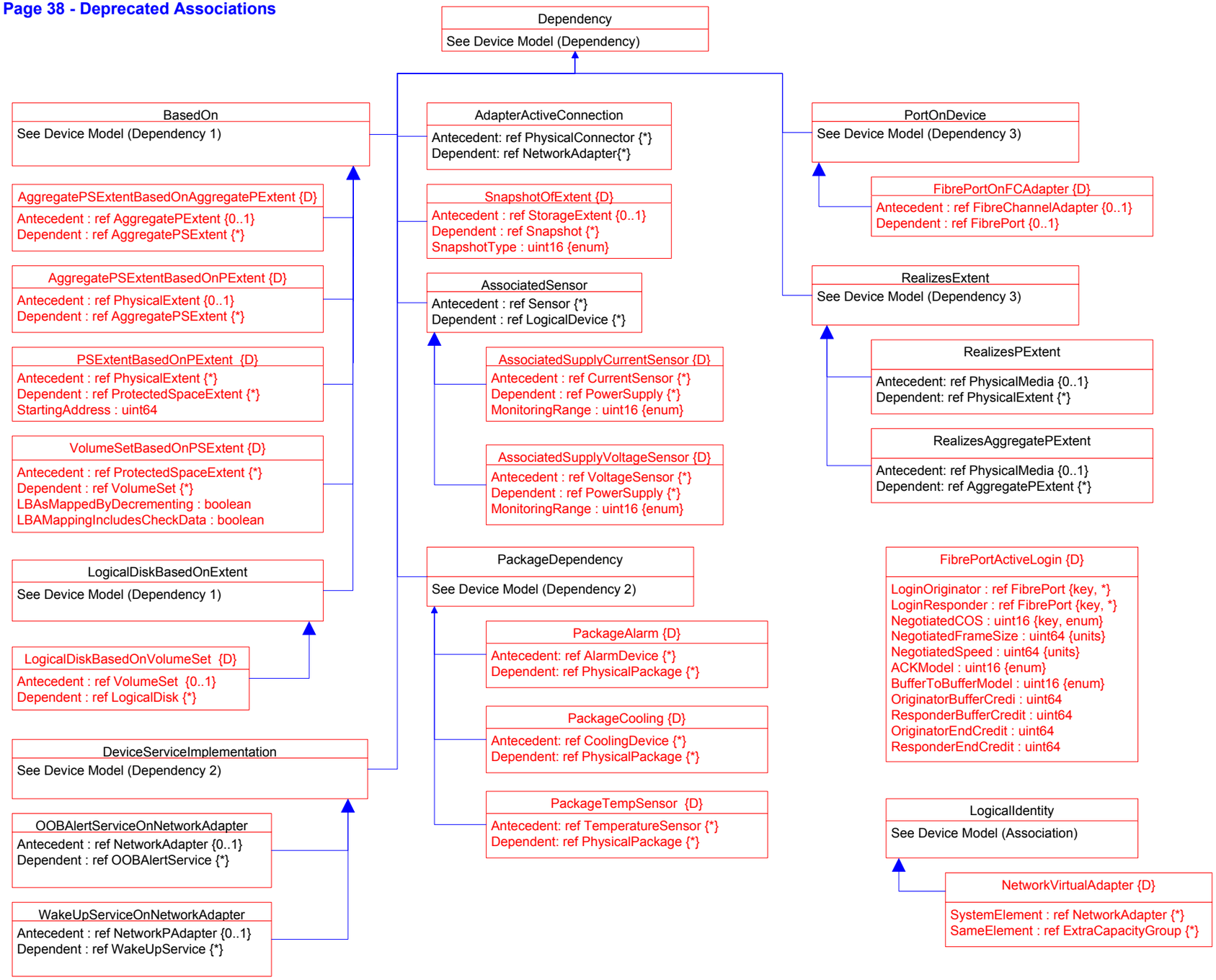
Page 36- Association Hierarchy



Page 37- Aggregation Hierarchy



Page 38 - Deprecated Associations



Page 39 - Deprecated Aggregations