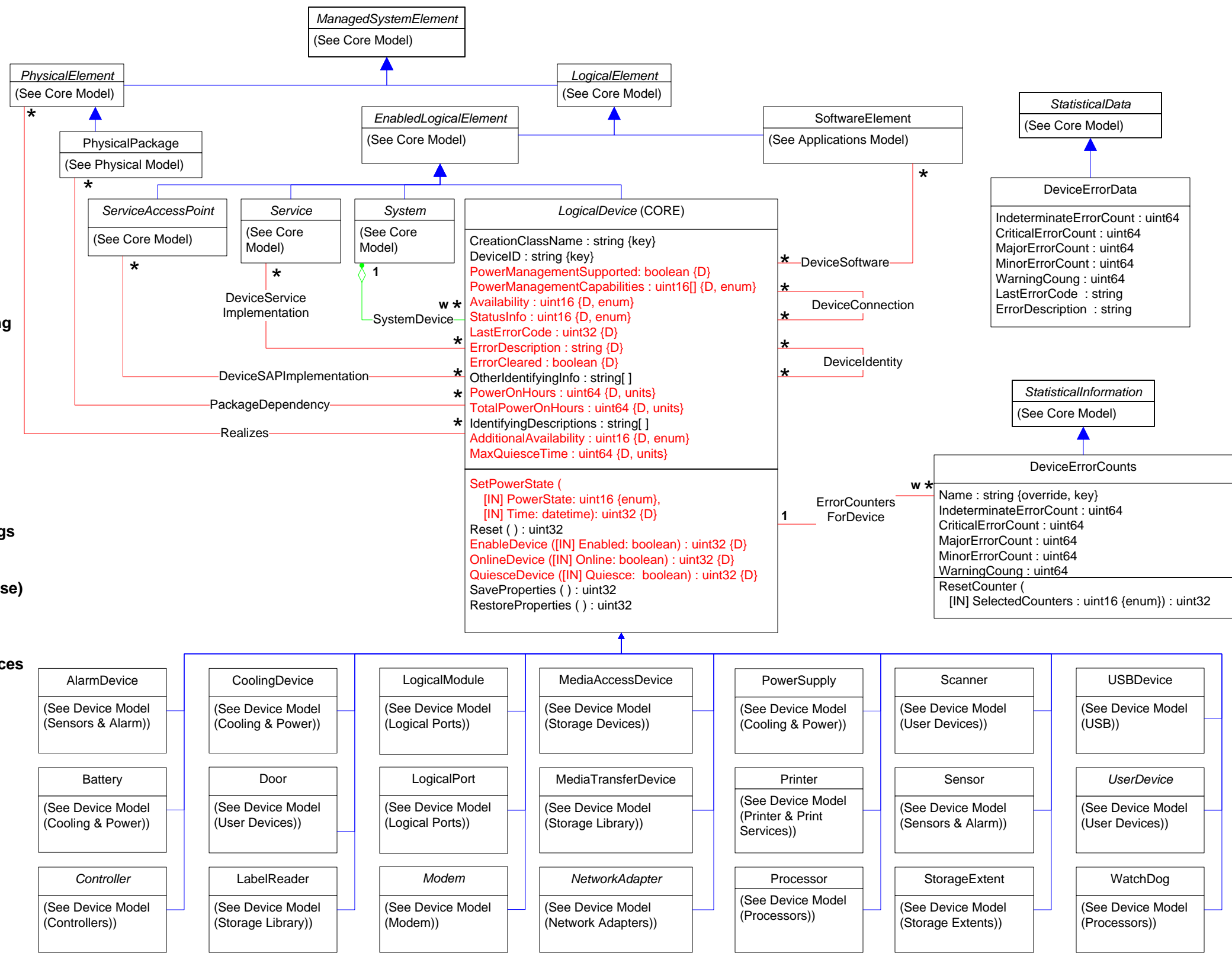






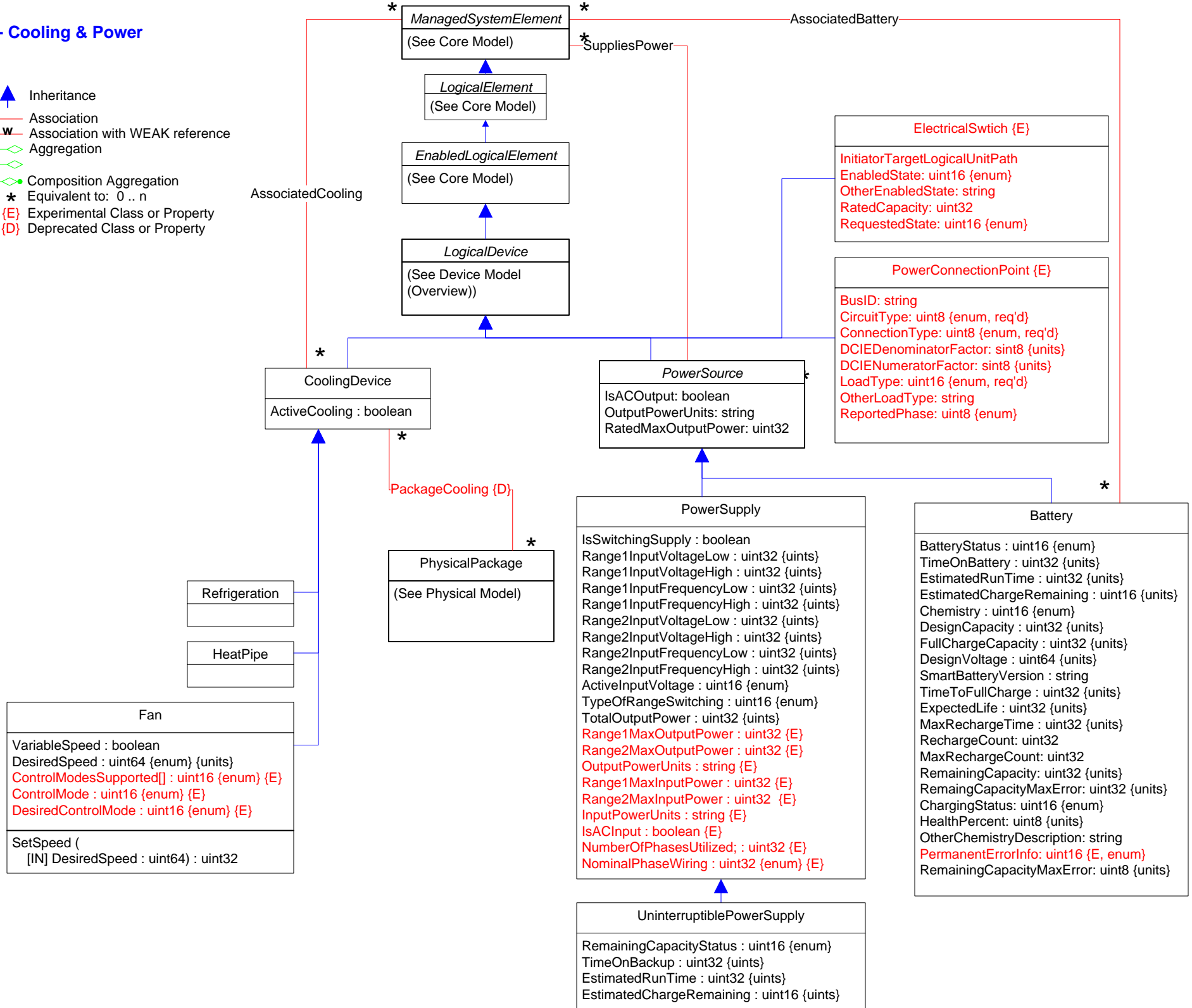


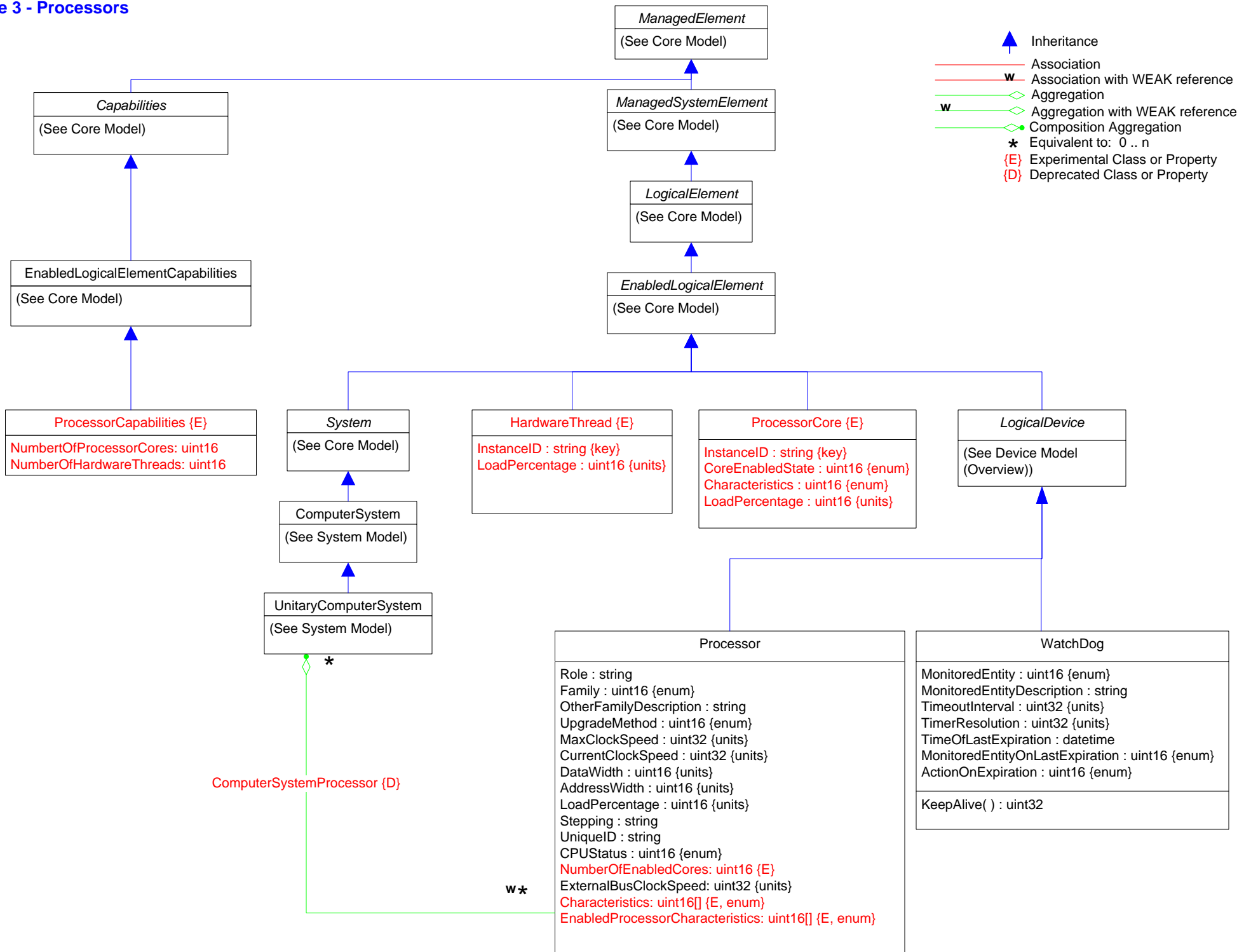
**Title** : Device Specification 2.27.0  
**Filename** : CIM\_Device.vsd  
**Author** : DMTF Core Schema WG  
**Date** : 6 October 2010

**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 1**  
**Page 8 – Logical 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 Services**  
**Page 23 – Storage Services**  
**Page 24 – Storage Capabilities and Settings**  
**Page 25 – StorageStatistics**  
**Page 26 – Storage Library**  
**Page 27 – User Devices (Keyboards, Mouse)**  
**Page 28 – Displays**  
**Page 29 – Memory**  
**Page 30 – Modems**  
**Page 31 – Printers, Print Jobs, Print Services**  
**Page 32 – Printer (2)**  
**Page 33 – Sensors & Alarm**  
**Page 34 – USB**  
**Page 35 – Disk Group**  
**Page 36 – Device Sharing**  
**Page 37 – LED**  
**Page 38 – WiFi Services**  
**Page 39 – Dependency (1) [A - Ba]**  
**Page 40 – Dependency (2) [D - Pi]**  
**Page 41 - Dependency (3) [Po - S]**  
**Page 42 – Association Hierarchy**  
**Page 43 – Aggregation Hierarchy**  
**Page 44 – Association Deprecation**  
**Page 45 – Aggregation Deprecation**



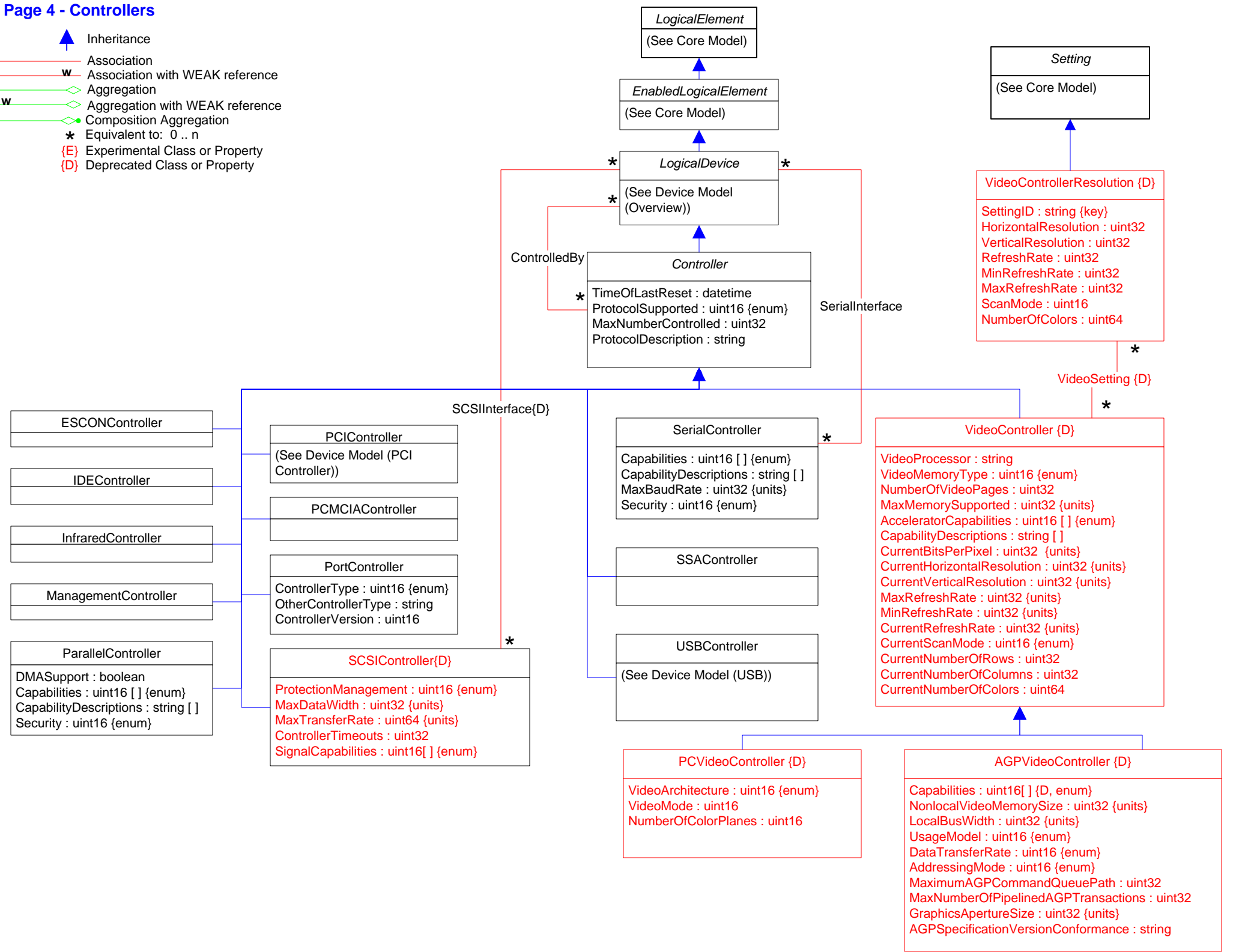
-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Composition Aggregation
-  Equivalent to: 0..n
- (E) Experimental Class or Property
- (D) Deprecated Class or Property



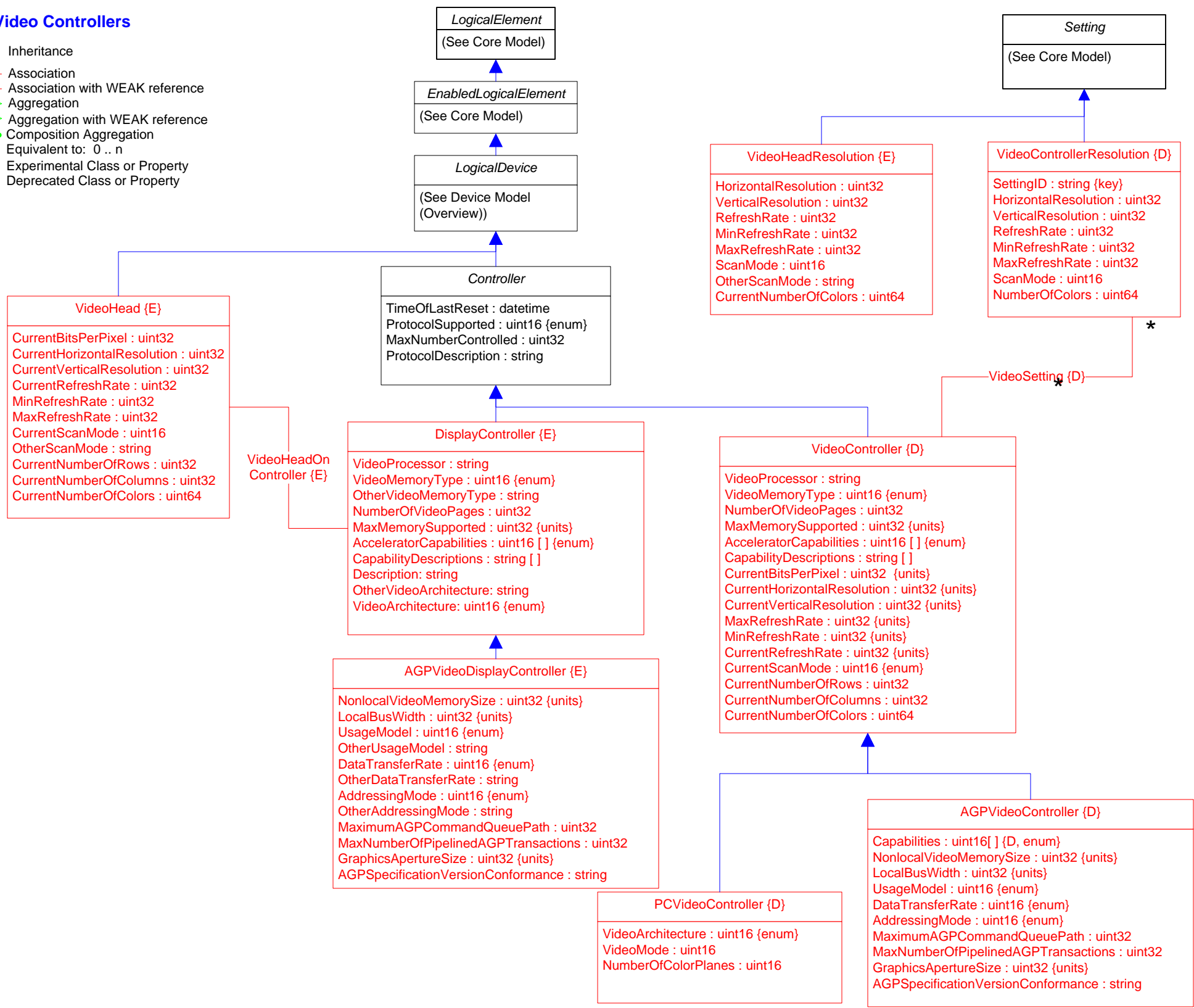











# Page 4 - Controllers

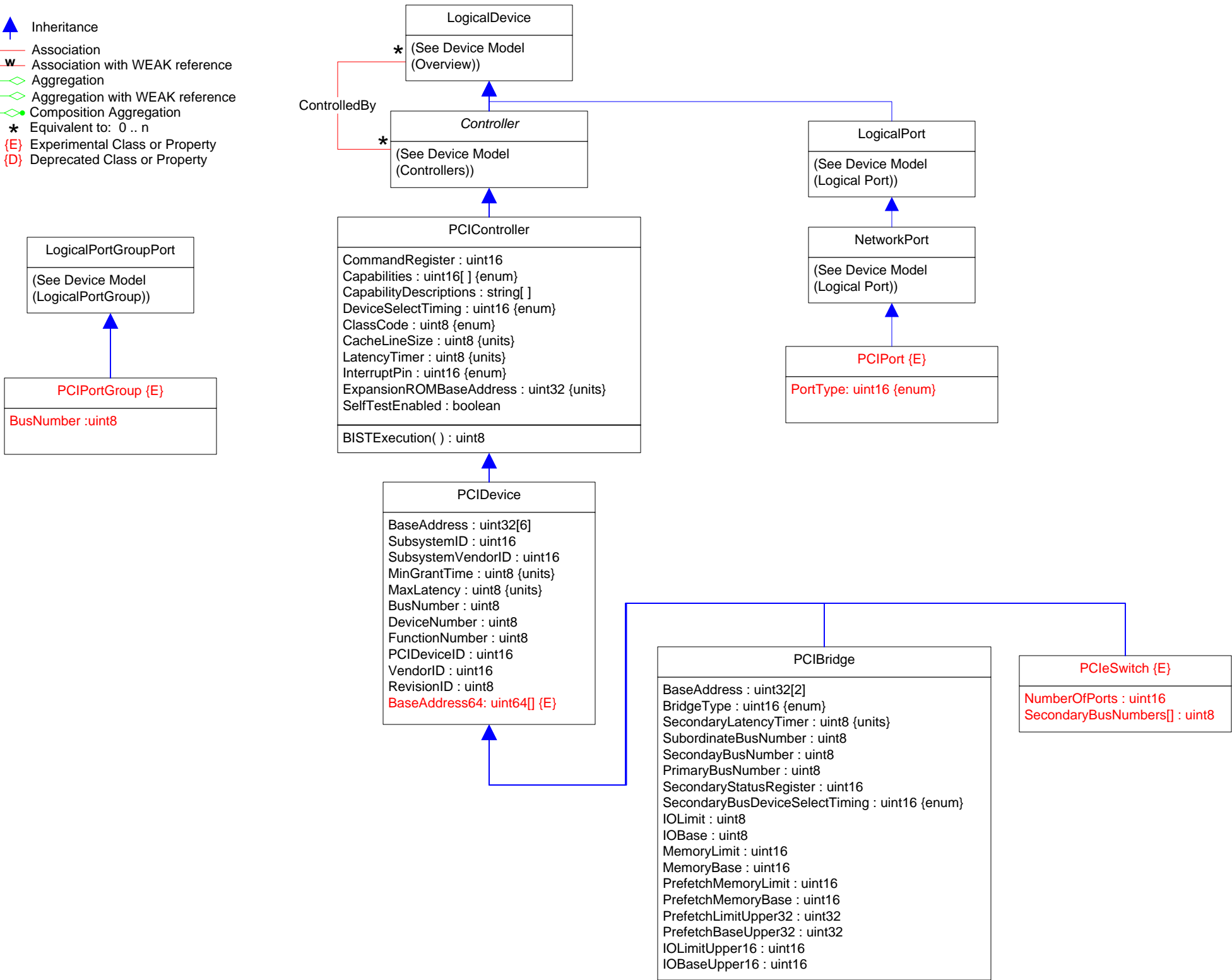
- ▲ Inheritance
- Association
- w Association with WEAK reference
- ◇ Aggregation
- w◇ Aggregation with WEAK reference
- ◇ Composition Aggregation
- \*** Equivalent to: 0 .. n
- {E} Experimental Class or Property
- {D} Deprecated Class or Property



- ▲ 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












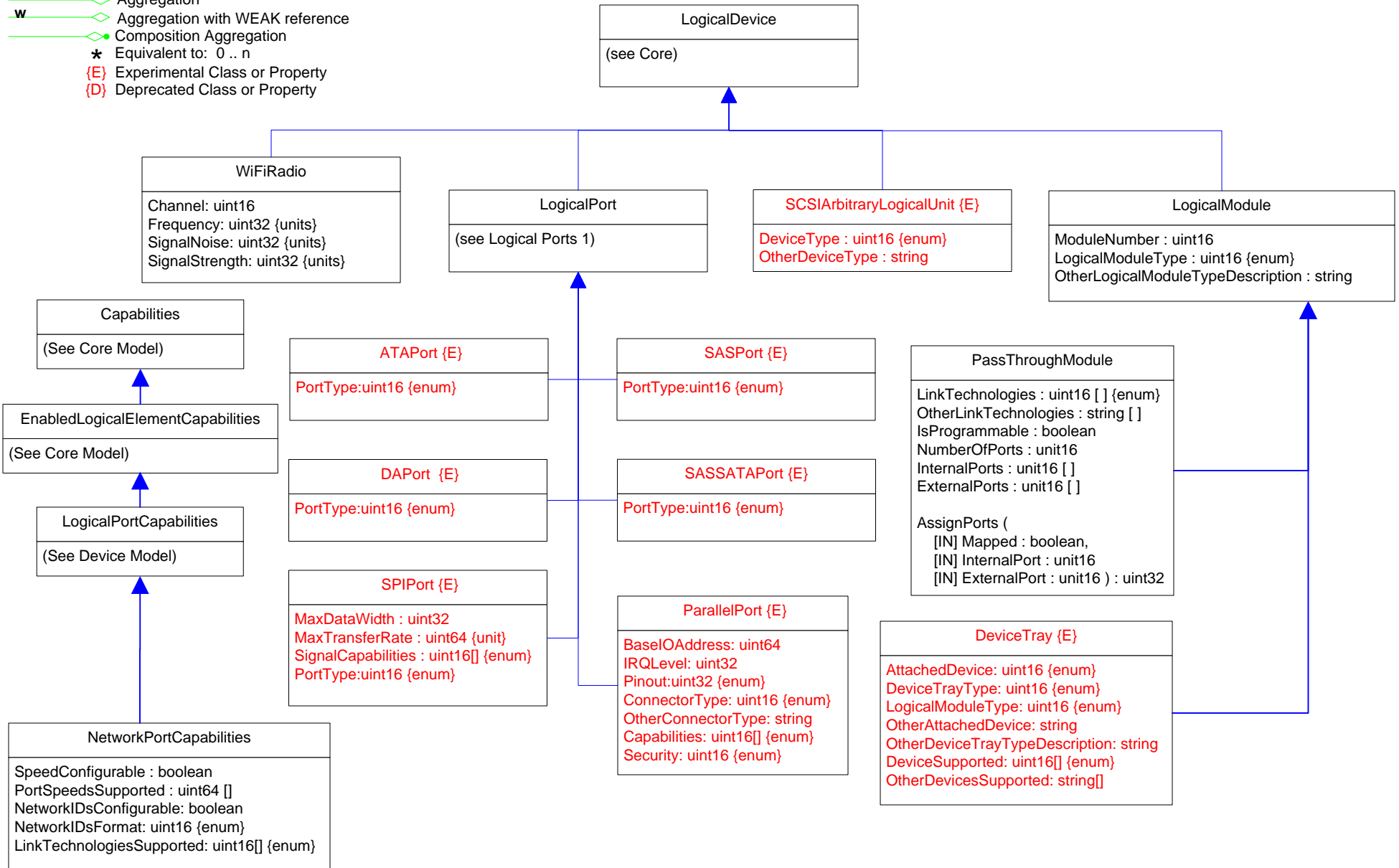
-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0 .. n
-  Experimental Class or Property
-  Deprecated Class or Property
















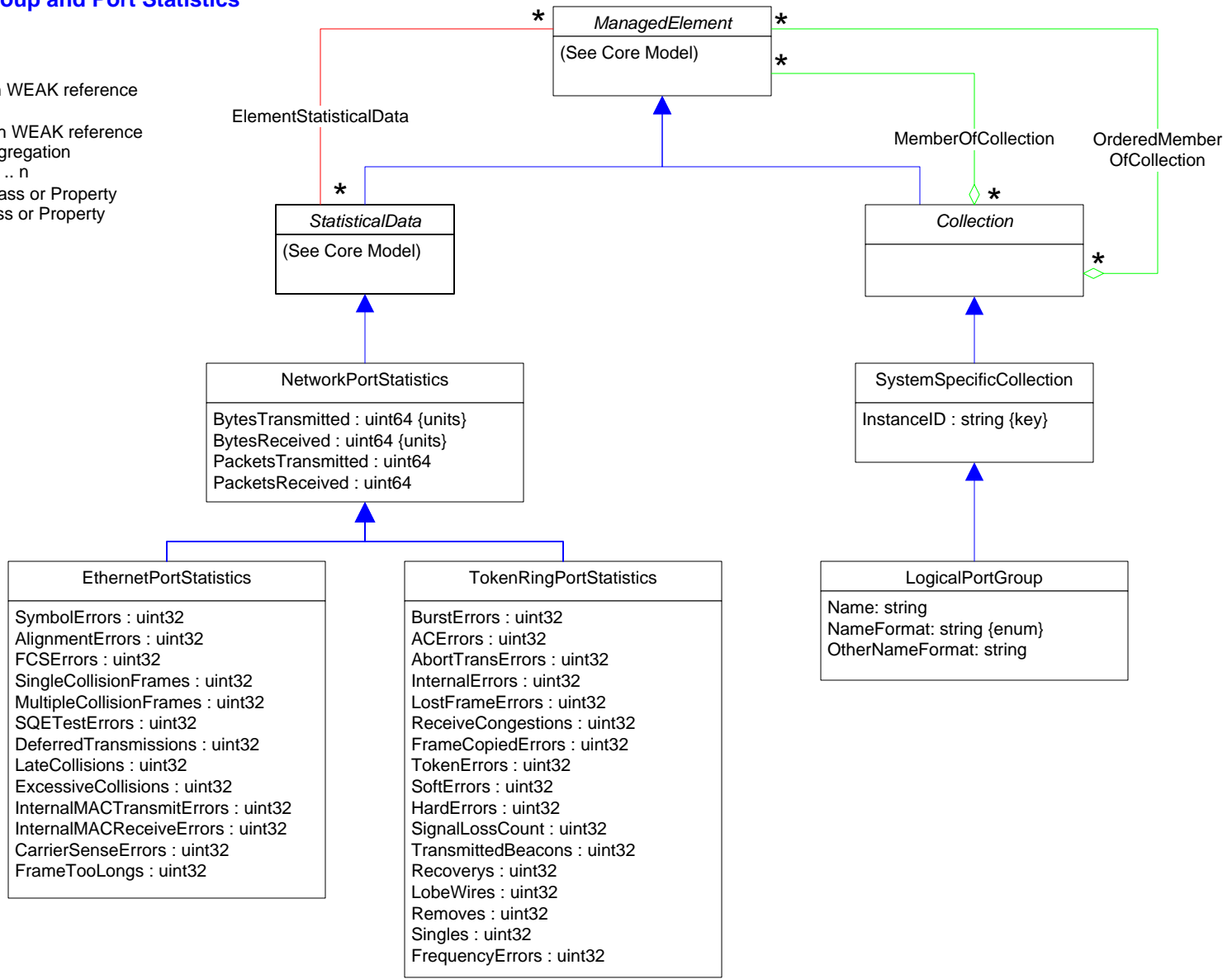
-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0..n
-  Experimental Class or Property
-  Deprecated Class or Property












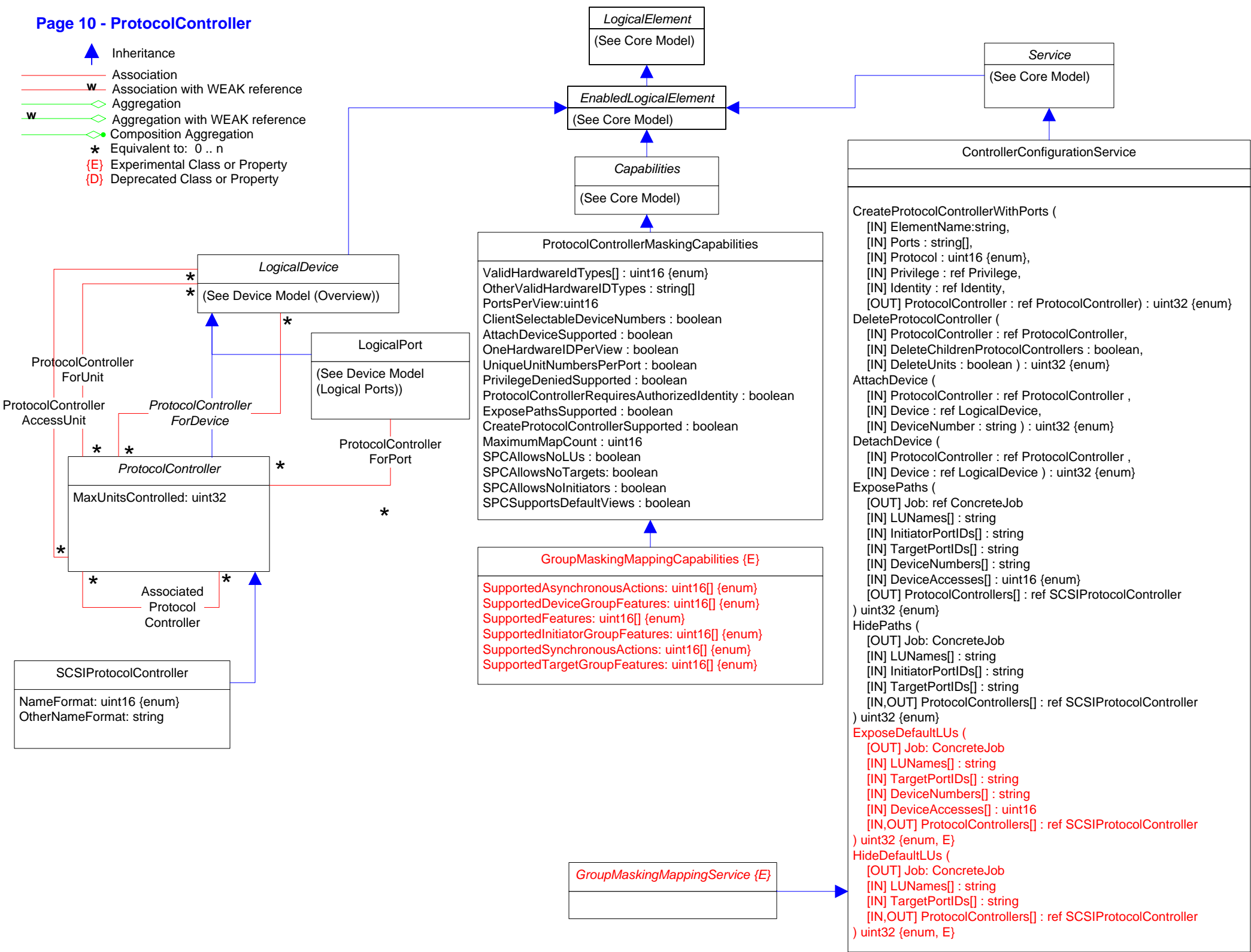


Page 9 - Logical Port Group and Port Statistics

-  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



-  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



- 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

DeviceStatistical  
Information  
(See Core Model)

EnabledLogicalElement  
(See Core Model)

LogicalDevice  
(See Device Model (Overview))

Service  
(See Core Model)

FCAdapterEventCounters {D}

ABTSFramesReceived : uint64  
ABTSFramesSent : uint64  
FBSYsReceived : uint64  
PBSYsReceived : uint64  
PBSYsSent : uint64  
FRJTsReceived : uint64  
PRJTsReceived : uint64  
PRJTsSent : uint64  
PRLIsRejected : uint64  
PRLsRejected : 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

LogicalPort  
(See Device Model (Logical Port))

PhysicalConnector  
(See Physical Model)

NetworkAdapter {D}

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

OOBAlertService  
(See System Model)

WakeUpService  
(See System Model)

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

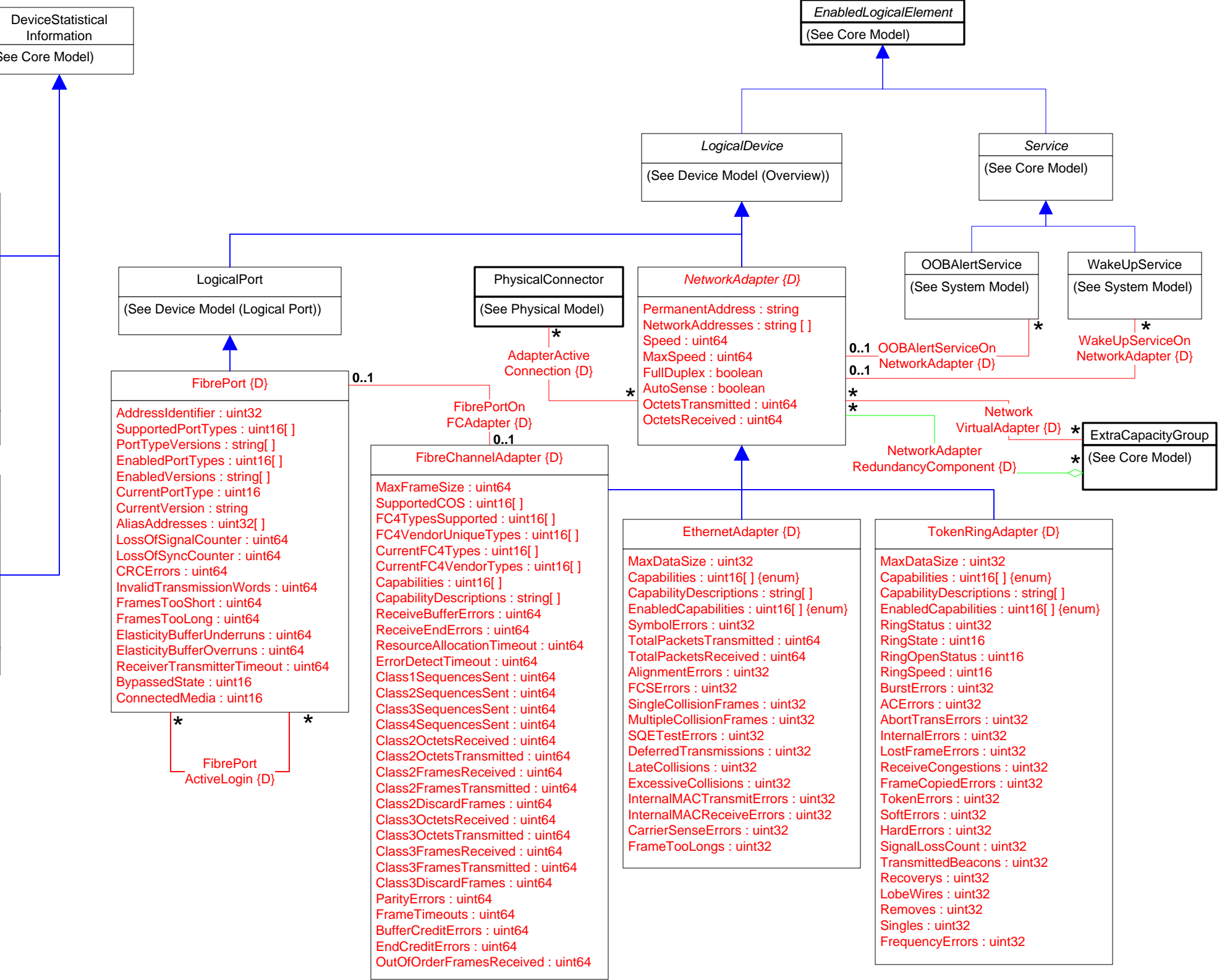
EthernetAdapter {D}

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










TokenRingAdapter {D}

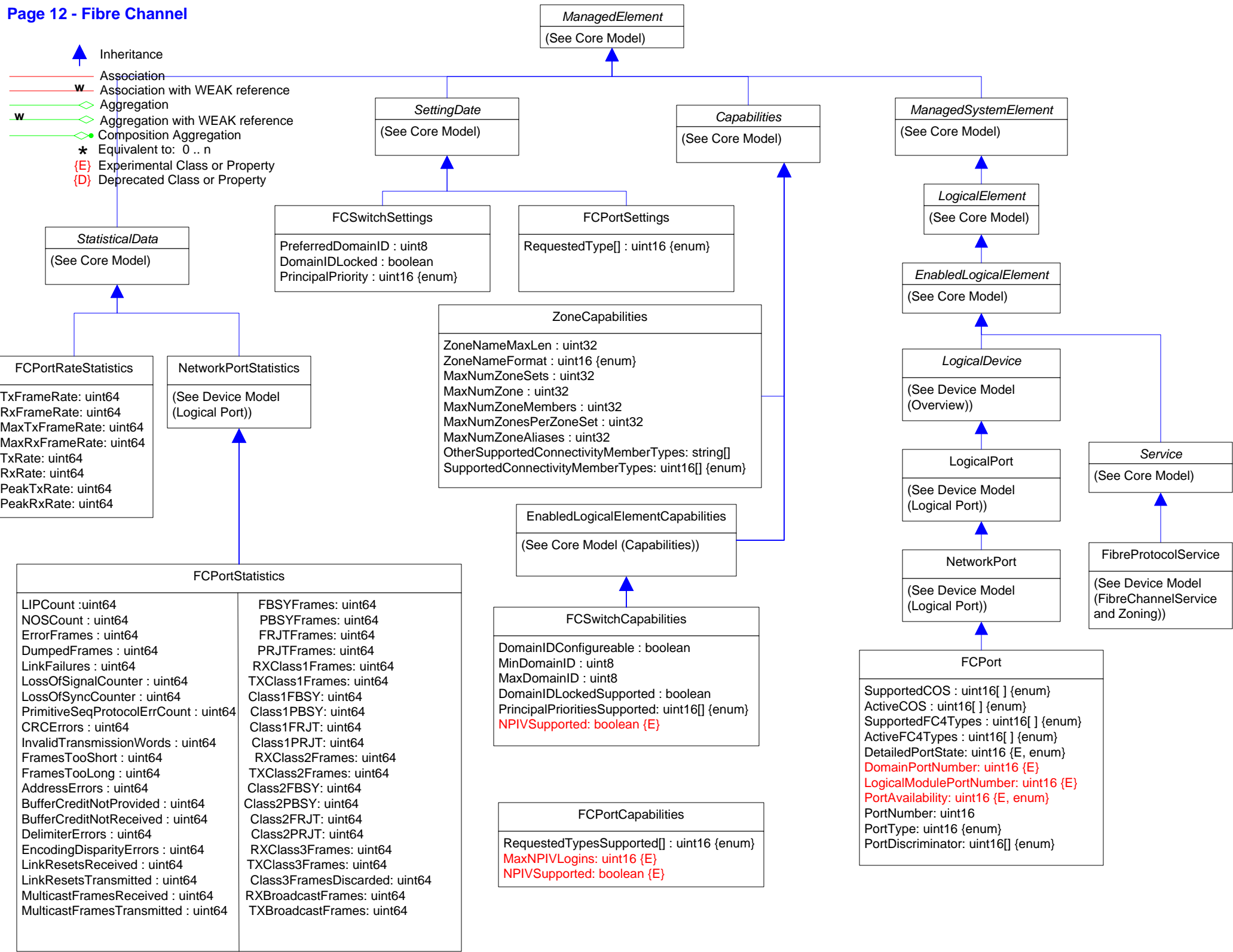
MaxDataSize : uint32  
Capabilities : uint16 [ ] {enum}  
CapabilityDescriptions : string [ ]  
EnabledCapabilities : uint16 [ ] {enum}  
RingStatus : uint32  
RingState : uint16  
RingOpenStatus : uint16  
RingSpeed : uint16  
BurstErrors : uint32  
ACErrors : uint32  
AbortTransErrors : uint32  
InternalErrors : 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

ExtraCapacityGroup  
(See Core Model)




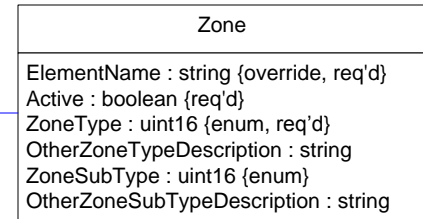
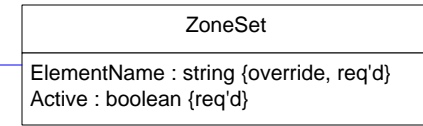
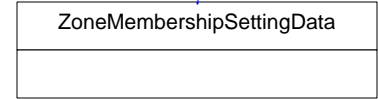
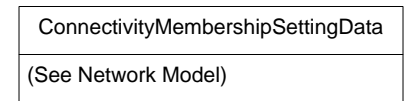
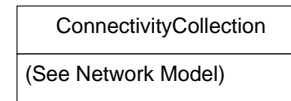
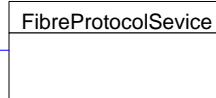
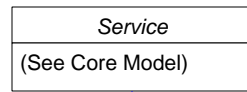
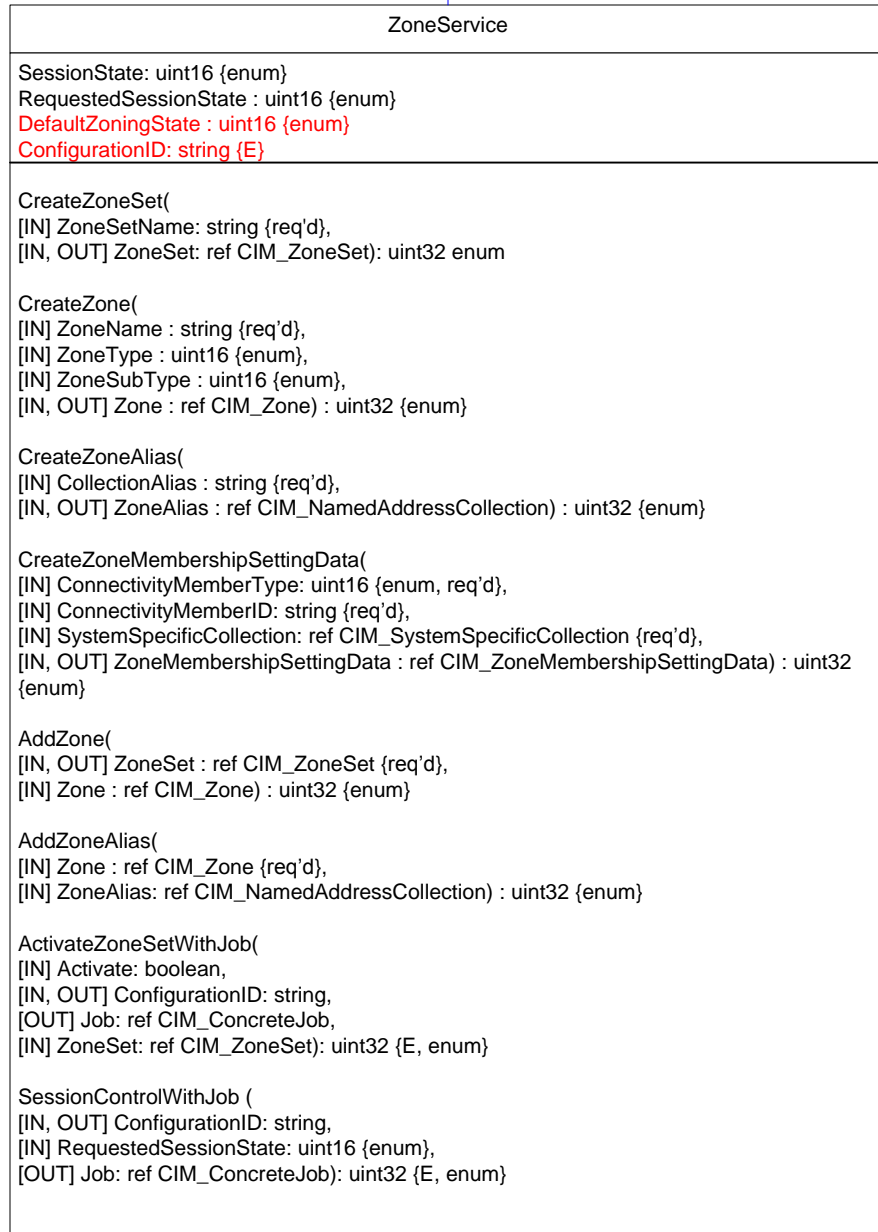
# Page 12 - Fibre Channel










-  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

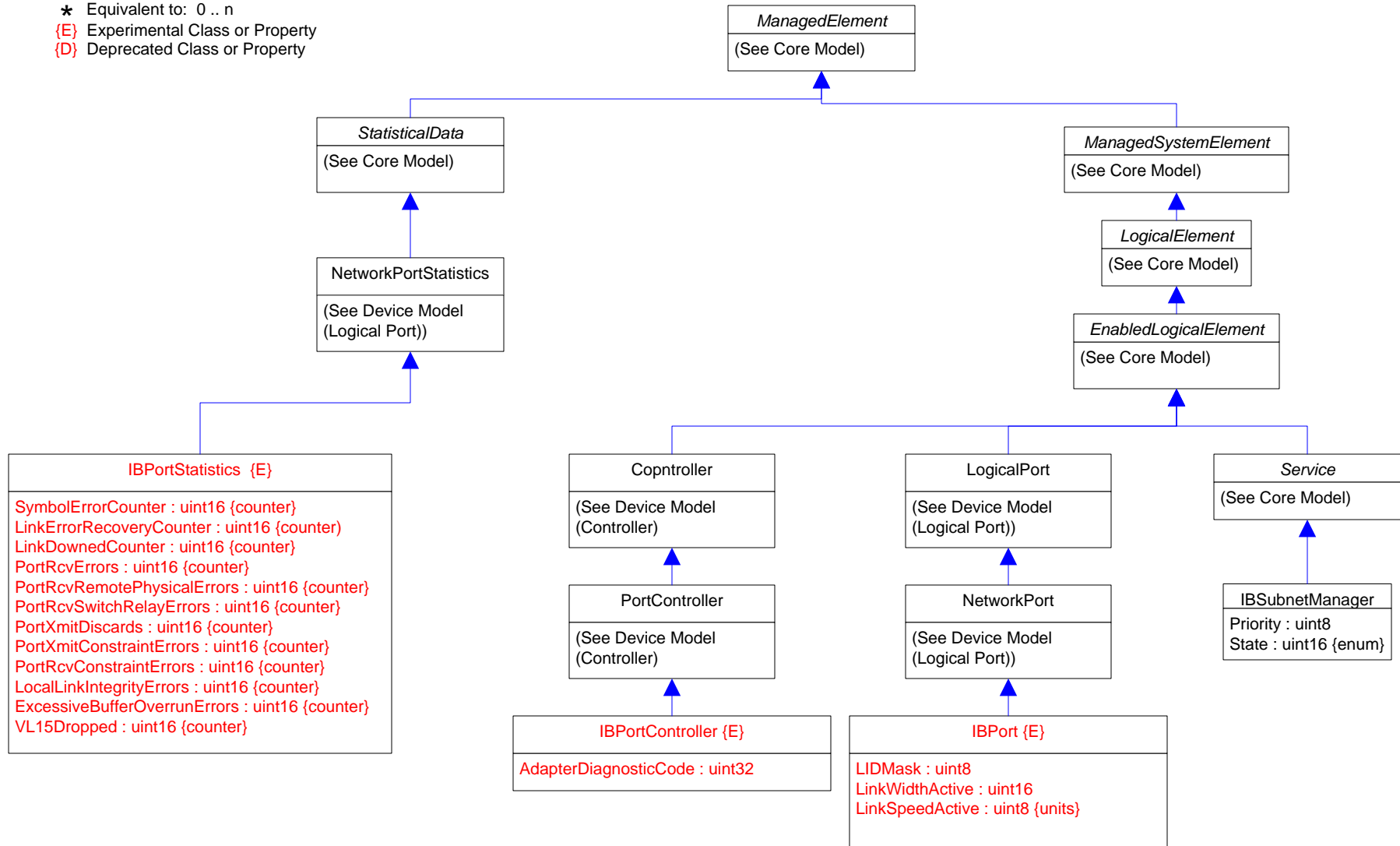


# Page 13 - Fibre Channel Services and Zoning










-  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

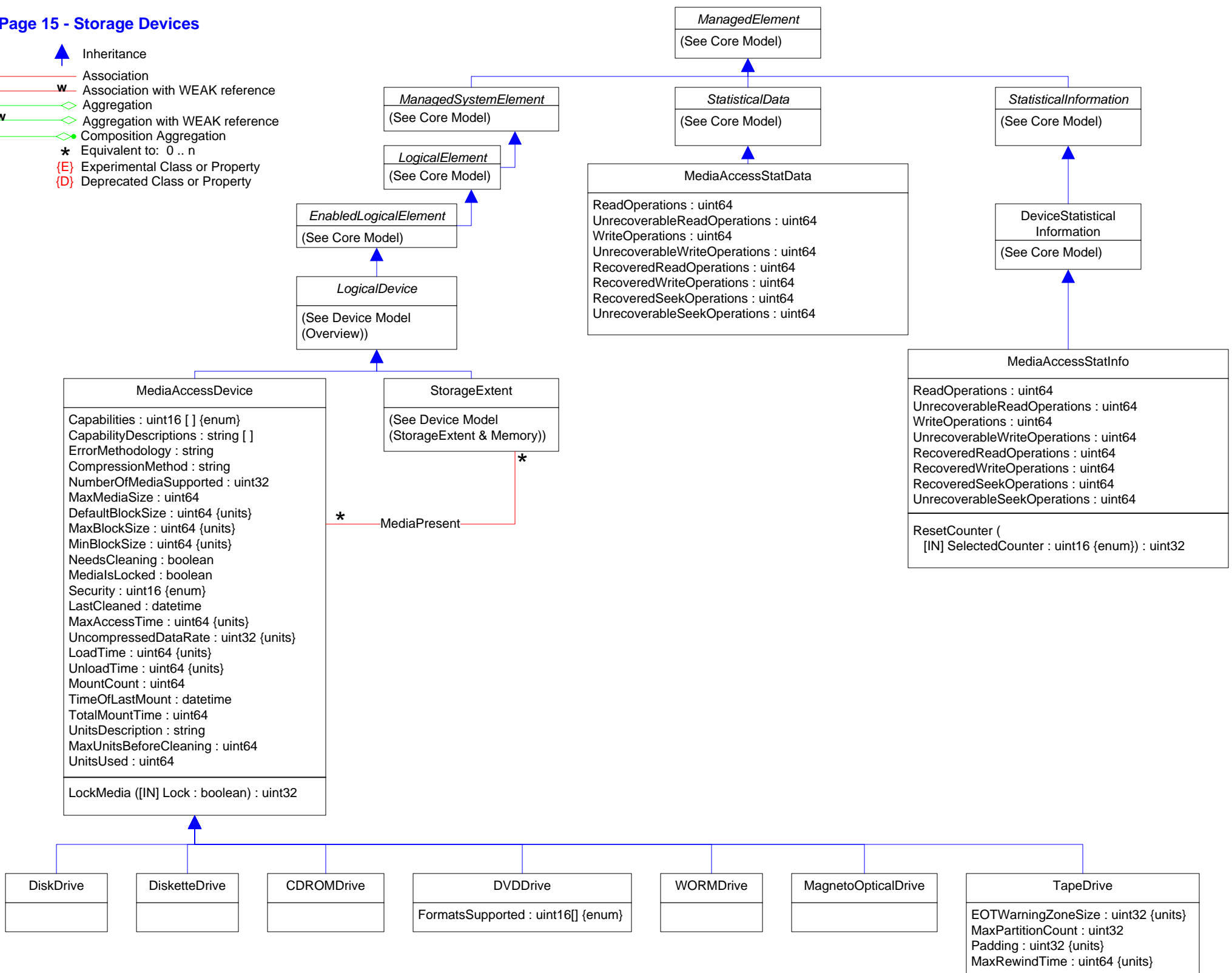


-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0 .. n
-  Experimental Class or Property
-  Deprecated Class or Property












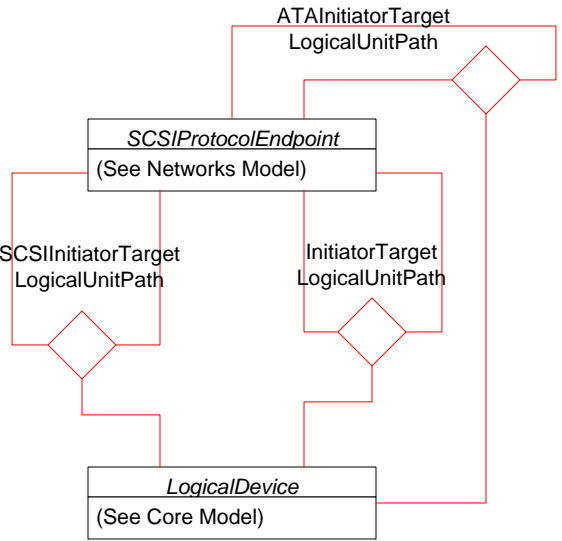
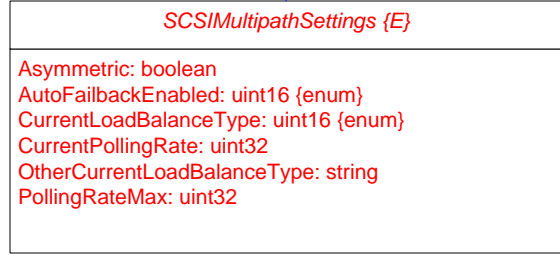
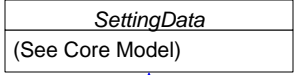
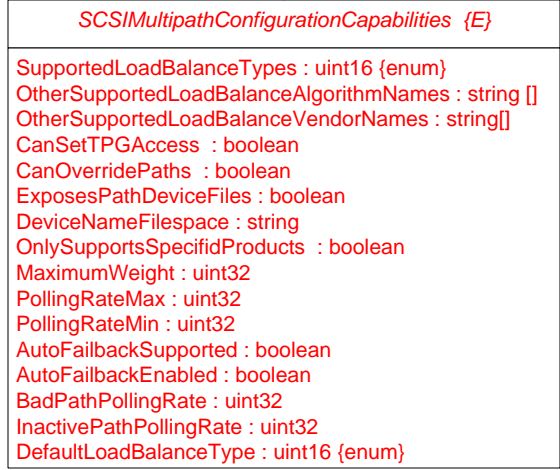
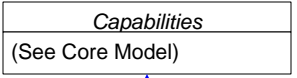
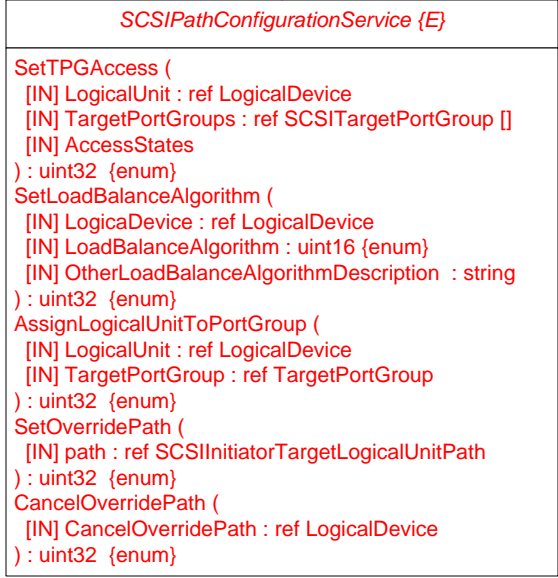
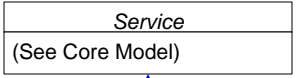
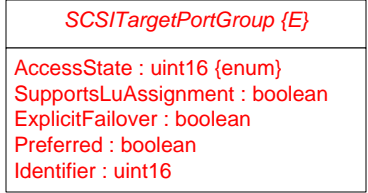
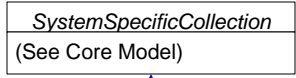
# Page 15 - Storage Devices

-  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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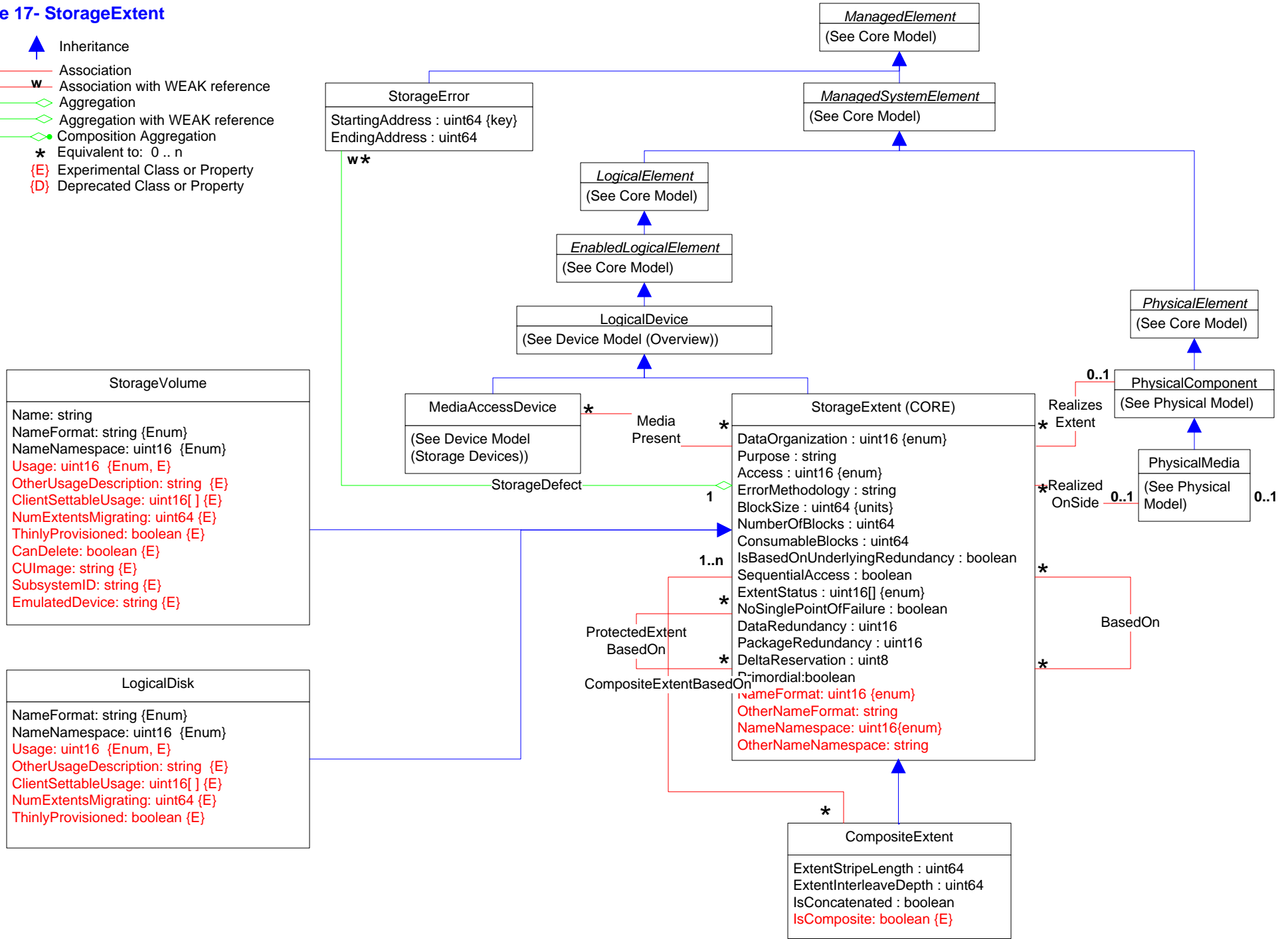


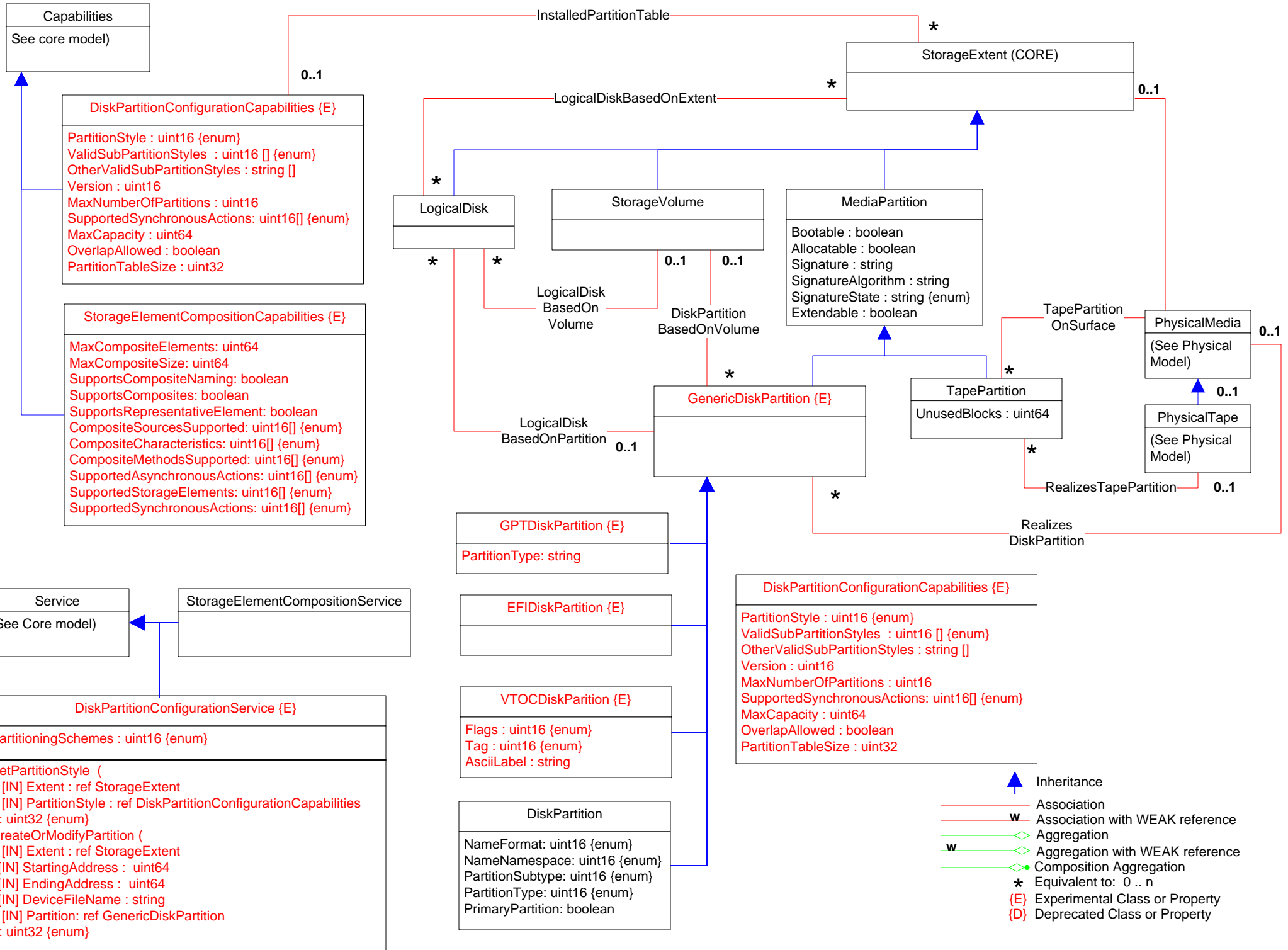
-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0 .. n
-  {E} Experimental Class or Property
-  {D} Deprecated Class or Property












# Page 17- StorageExtent

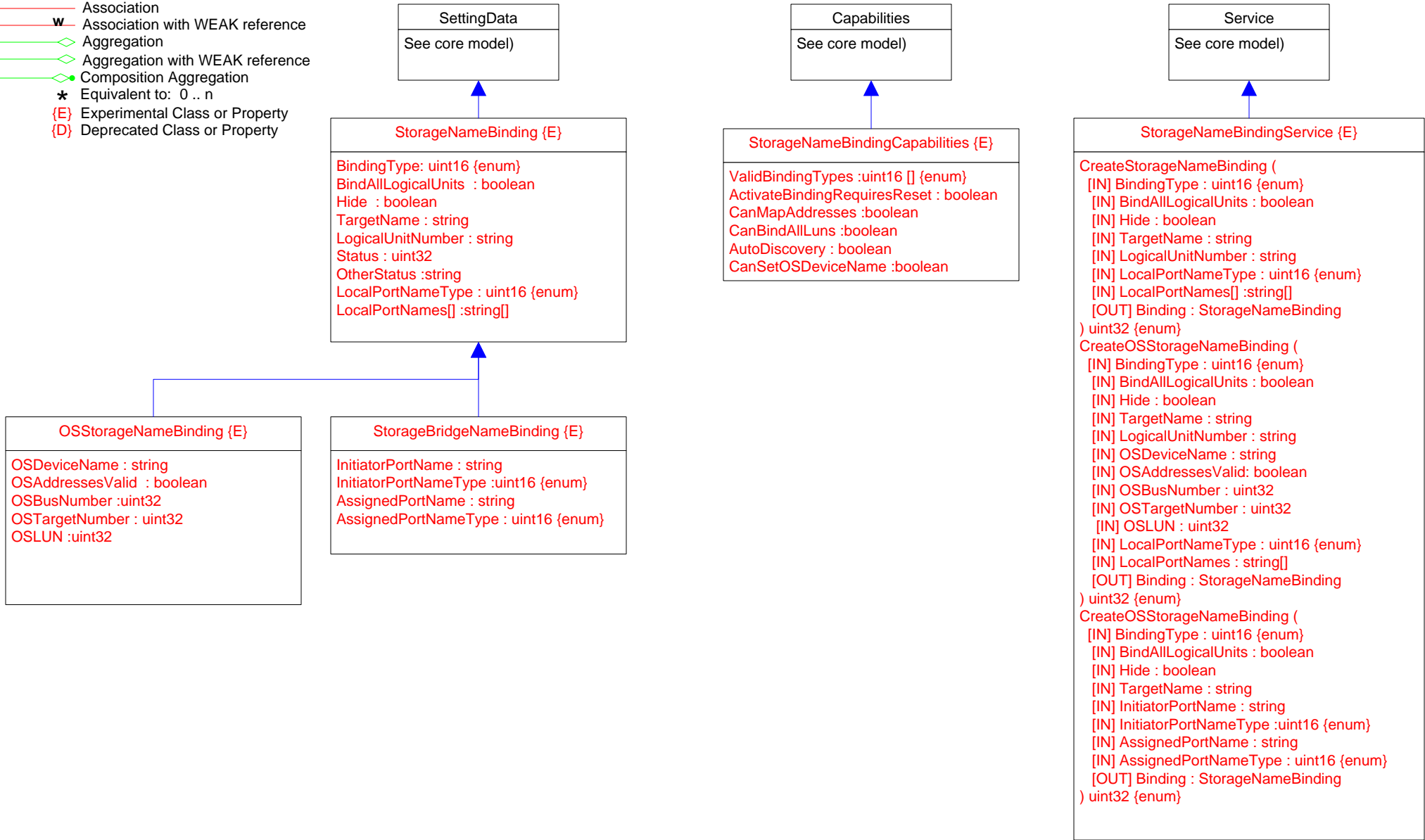
-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0 .. n
-  {E} Experimental Class or Property
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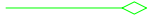







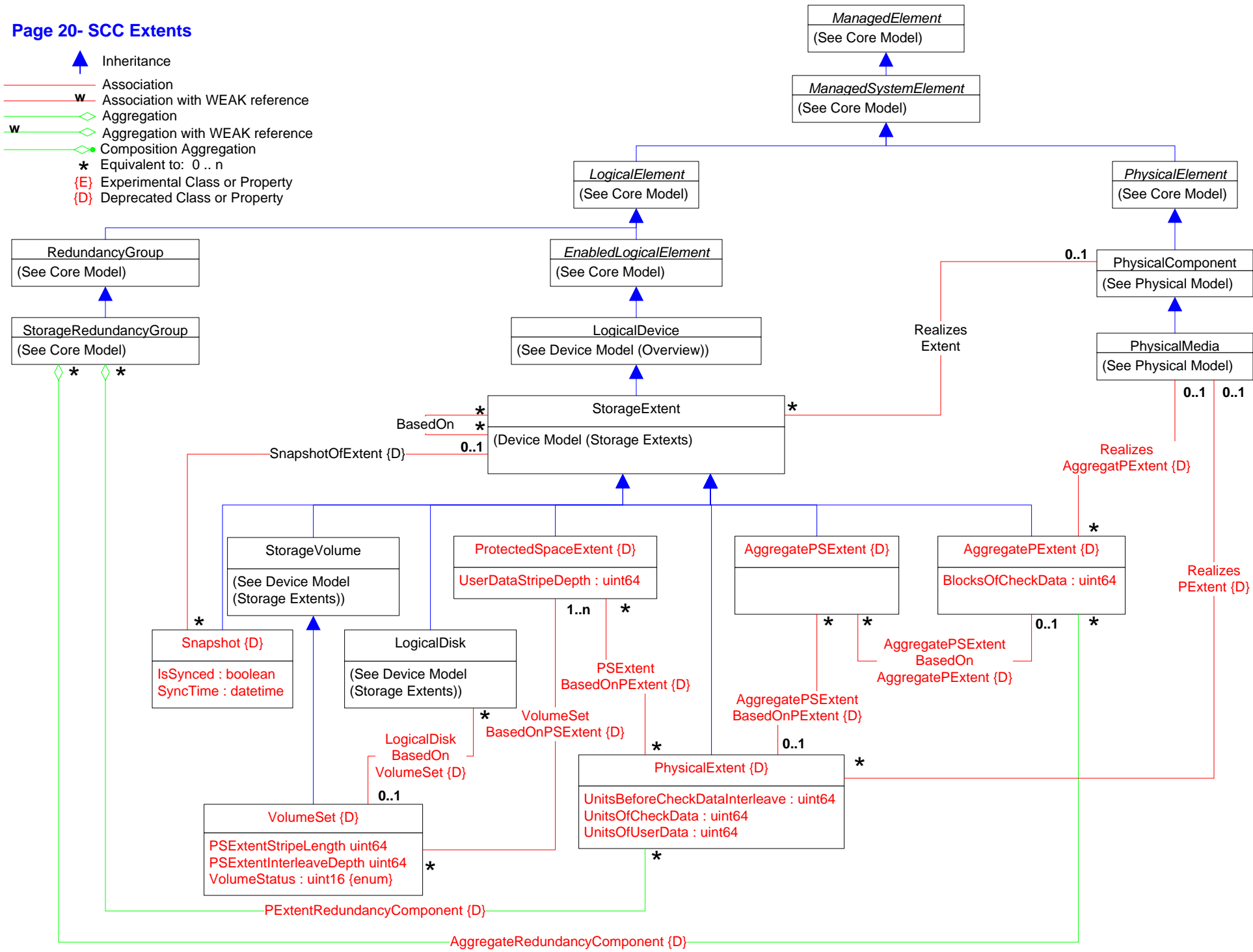


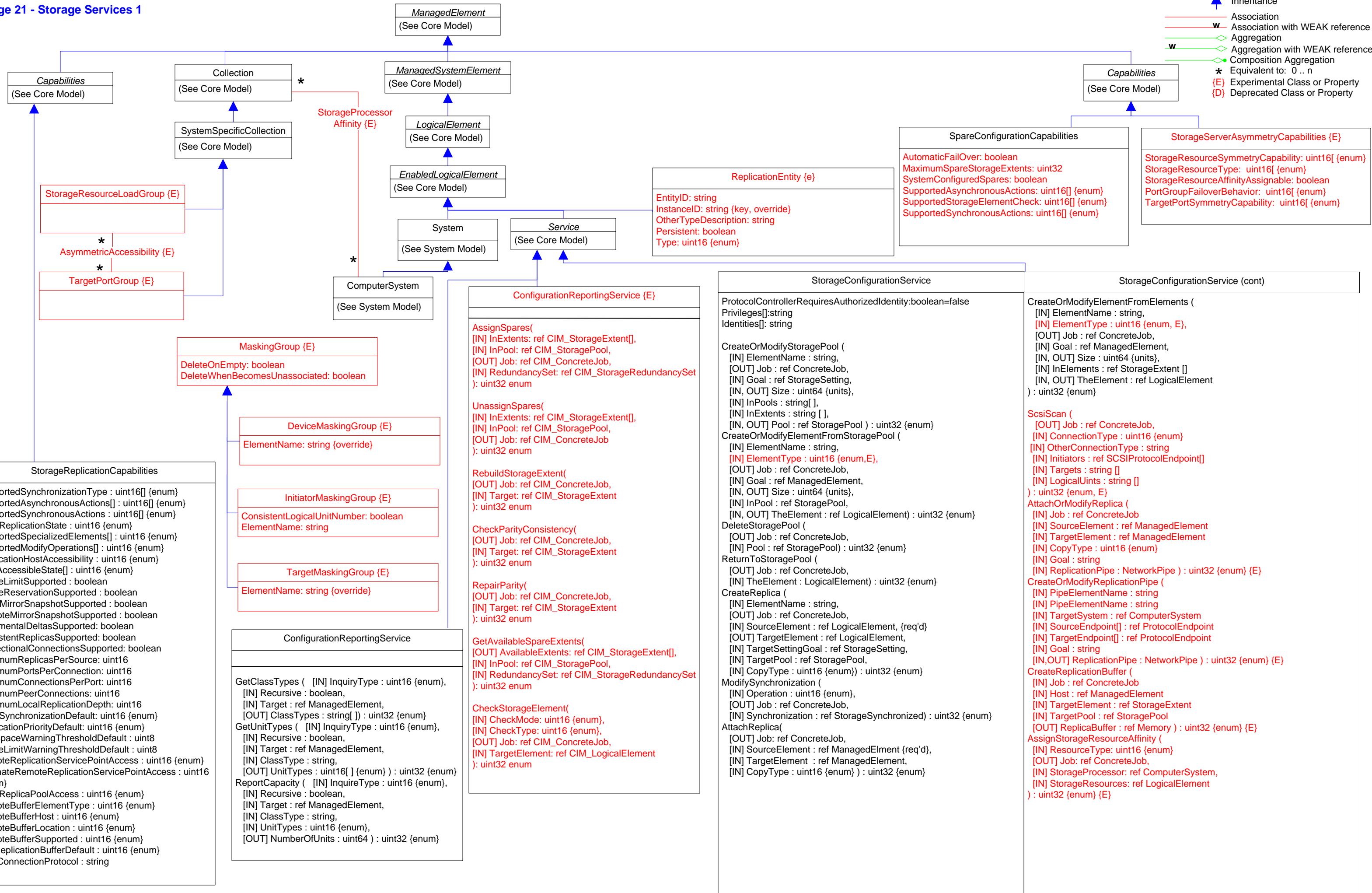
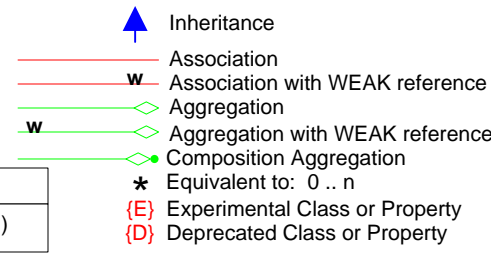
# Page 19 - Storage Name Binding

-  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

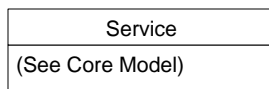


-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0..n
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-  Deprecated Class or Property









ReplicationService (E)

CreateGroup([IN] GroupName: string, [IN] Members[]: ref CIM\_LogicalElement, [IN] Persistent: boolean, [IN] DeleteOnEmptyElement: boolean, [IN] DeleteOnUnassociated: boolean, [IN] ServiceAccessPoint: ref CIM\_ServiceAccessPoint, [OUT] ReplicationGroup: ref CIM\_ReplicationGroup): uint32 {enum}

DeleteGroup([IN] ReplicationGroup: ref CIM\_ReplicationGroup, [IN] ServiceAccessPoint: ref CIM\_ServiceAccessPoint, [IN] RemoveElements:boolean): uint32 {enum}

AddMembers([IN] Members[]: ref CIM\_LogicalElement, [IN] ReplicationGroup: ref CIM\_ReplicationGroup, [IN] ServiceAccessPoint: ref CIM\_ServiceAccessPoint): uint32 {enum}

RemoveMembers([IN] Members[]: ref CIM\_LogicalElement, [IN] DeleteOnEmptyElement: boolean, [IN] ReplicationGroup: ref CIM\_ReplicationGroup, [IN] ServiceAccessPoint: ref CIM\_ServiceAccessPoint): uint32 {enum}

CreateElementReplica([IN] ElementName: string, [IN] SyncType: uint16, [IN] Mode: uint16, [IN] SourceElement: CIM\_LogicalElement, [IN] SourceAccessPoint: ref CIM\_ServiceAccessPoint, [IN,OUT] TargetElement: ref CIM\_LogicalElement, [IN] TargetAccessPoint: ref CIM\_ServiceAccessPoint, [IN] ReplicationSettingData: string, [OUT] Job: ref CIM\_ConcreteJob, [OUT] Synchronization: ref CIM\_Synchronized, [IN] TargetSettingGoal: ref CIM\_SettingData, [IN] TargetPool: ref CIM\_ResourcePool, [IN] WaitForCopyState: uint16): uint32 {enum}

CreateGroupReplica([IN] RelationshipName: string, [IN] SyncType: uint16, [IN] Mode: uint16, [IN] SourceGroup: CIM\_ReplicationGroup, [IN] SourceElement: ref CIM\_LogicalElement, [IN] SourceAccessPoint: ref CIM\_ServiceAccessPoint, [IN,OUT] TargetGroup: CIM\_ReplicationGroup, [IN] TargetElementCount: uint64, [IN] TargetAccessPoint: ref CIM\_ServiceAccessPoint, [IN] Consistency: uint16, [IN] ReplicationSettingData: string, [OUT] Job:ref CIM\_ConcreteJob, [OUT] Synchronization: ref CIM\_Synchronized, [IN] TargetSettingGoal: ref CIM\_SettingData, [IN] TargetPool: ref CIM\_ResourcePool, [IN] WaitForCopyState: uint16): uint32 {enum}

CreateSynchronizationAspect([IN] Name: string, [IN] SyncType: uint16, [IN] Mode: [IN] SyncType: uint16, [IN] SourceGroup: ref CIM\_ReplicationGroup, [IN] SourceElement: ref CIM\_LogicalElement, [IN] SourceAccessPoint: ref CIM\_ServiceAccessPoint, [IN] Consistency: uint16, [IN] ReplicationSettingData: string, [OUT] Job: CIM\_ConcreteJob, [OUT] SettingsState: ref CIM\_SettingsDefineState): uint32 {enum}

ModifyReplicaSynchronization([IN] Operation: uint16, [IN] Synchronization: ref CIM\_Synchronized, [IN] ReplicationSettingData: string, [] SyncPair[]: CIM\_StorageSynchronized, [OUT] Job: ref CIM\_ConcreteJob, [OUT] SettingsState: CIM\_SettingsDefineState, [IN] Force: boolean, [IN] WaitForCopyState: uint16): uint32 {enum}

ModifyListSynchronization([IN] Operation: uint16, [IN] Synchronization[IN]: ref CIM\_Synchronized, [IN] ReplicationSettingData: string, [OUT] Job: ref CIM\_ConcreteJob, [OUT] SettingsState: CIM\_SettingsDefineState, [IN] Force: boolean, [IN] WaitForCopyState: uint16): uint32 {enum}

ModifySettingsDefineState([IN] Operation: uint16, [IN] SettingsState: ref CIM\_SettingsDefineState, [IN,OUT] TargetElement: ref CIM\_LogicalElement, [IN,OUT] TargetGroup: ref CIM\_ReplicationGroup, [IN] TargetElementCount: uint64, [IN] TargetAccessPoint: ref CIM\_ServiceAccessPoint, [OUT] Synchronization: CIM\_Synchronized, [IN] ReplicationSettingData: string, [OUT] Job: ref CIM\_ConcreteJob, [] TargetSettingGoal: ref CIM\_SettingData, [IN] TargetPool: ref CIM\_ResourcePool, [IN] WaitForCopyState: uint16): uint32 {enum}

GetAvailableTargetElements([IN] SourceElement: ref CIM\_LogicalElement, [IN] SyncType: uint16, [IN] Mode: uint16, [IN] ReplicationSettingData: string, [IN] TargetAccessPoint: ref CIM\_ServiceAccessPoint, [IN] TargetSettingGoal: ref CIM\_SettingData, [IN] TargetPools[]: ref CIM\_ResourcePool, [OUT] Job: ref CIM\_ConcreteJob, [OUT] Candidates[]: ref CIM\_LogicalElement): uint32 {enum}

GetPeerSystems([IN] Options: uint16, [OUT] Job: ref CIM\_ConcreteJob, [OUT] Systems[]: ref CIM\_ComputerSystem): uint32 {enum}

GetReplicationRelationships([IN] Type: uint16, [IN] SyncType: uint16, [IN] Mode: uint16, [IN] Locality: uint16, [IN] CopyState: uint16, [OUT] Job: ref CIM\_ConcreteJob, [OUT] Synchronizations[]: ref CIM\_Synchronized): uint32 {enum}

GetServiceAccessPoints([IN] System: ref CIM\_ComputerSystem, [OUT] Job: ref CIM\_ConcreteJob, [OUT] ServiceAccessPoints[]: ref CIM\_ServiceAccessPoint): uint32 {enum}

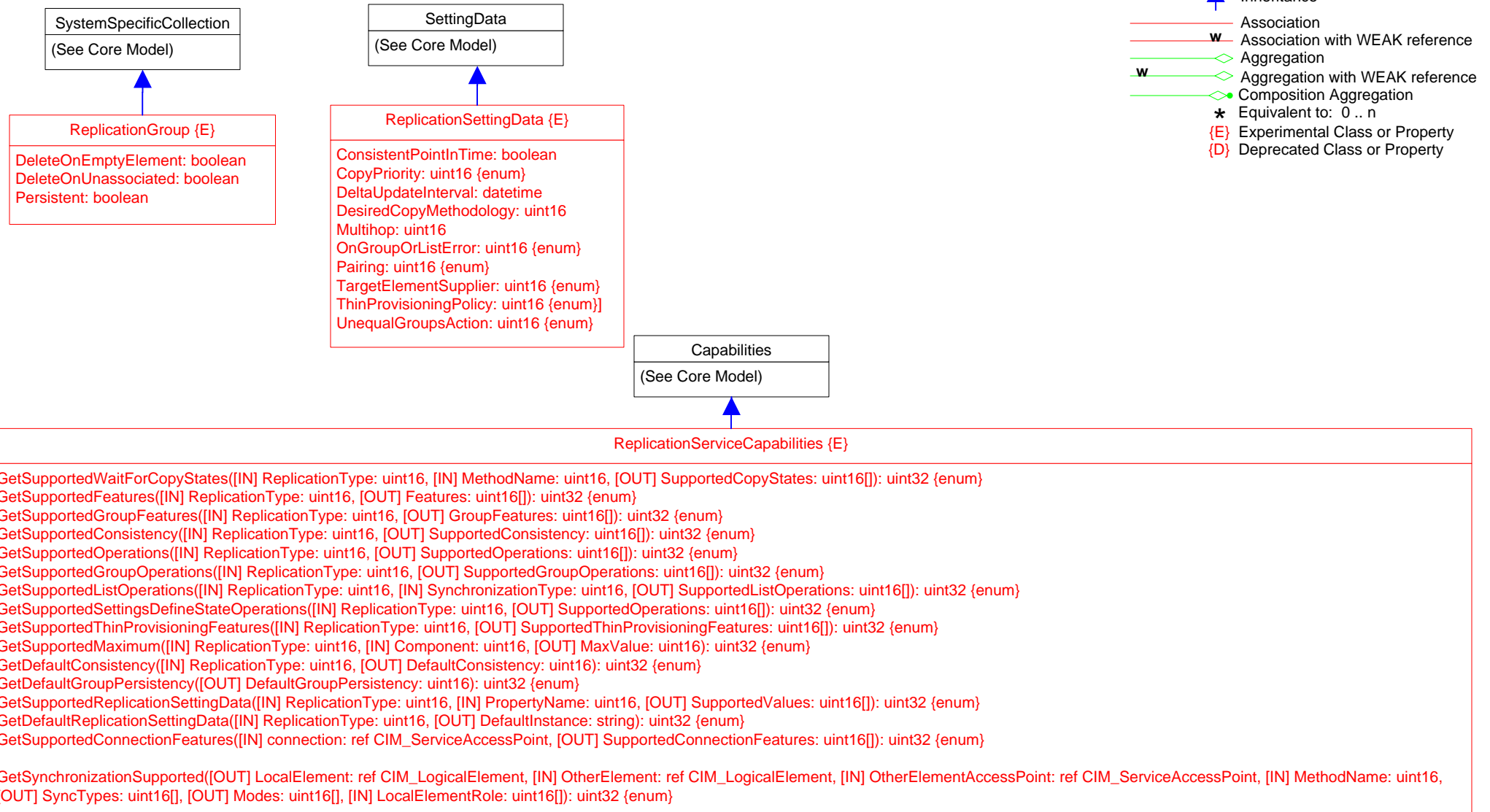
AddReplicationEntity([IN] ReplicationEntity: string, [IN] Persistent: boolean, [IN] InstanceNamespace: string, [OUT] ReplicationEntityPath: ref CIM\_ReplicationEntity): uint32 {enum}

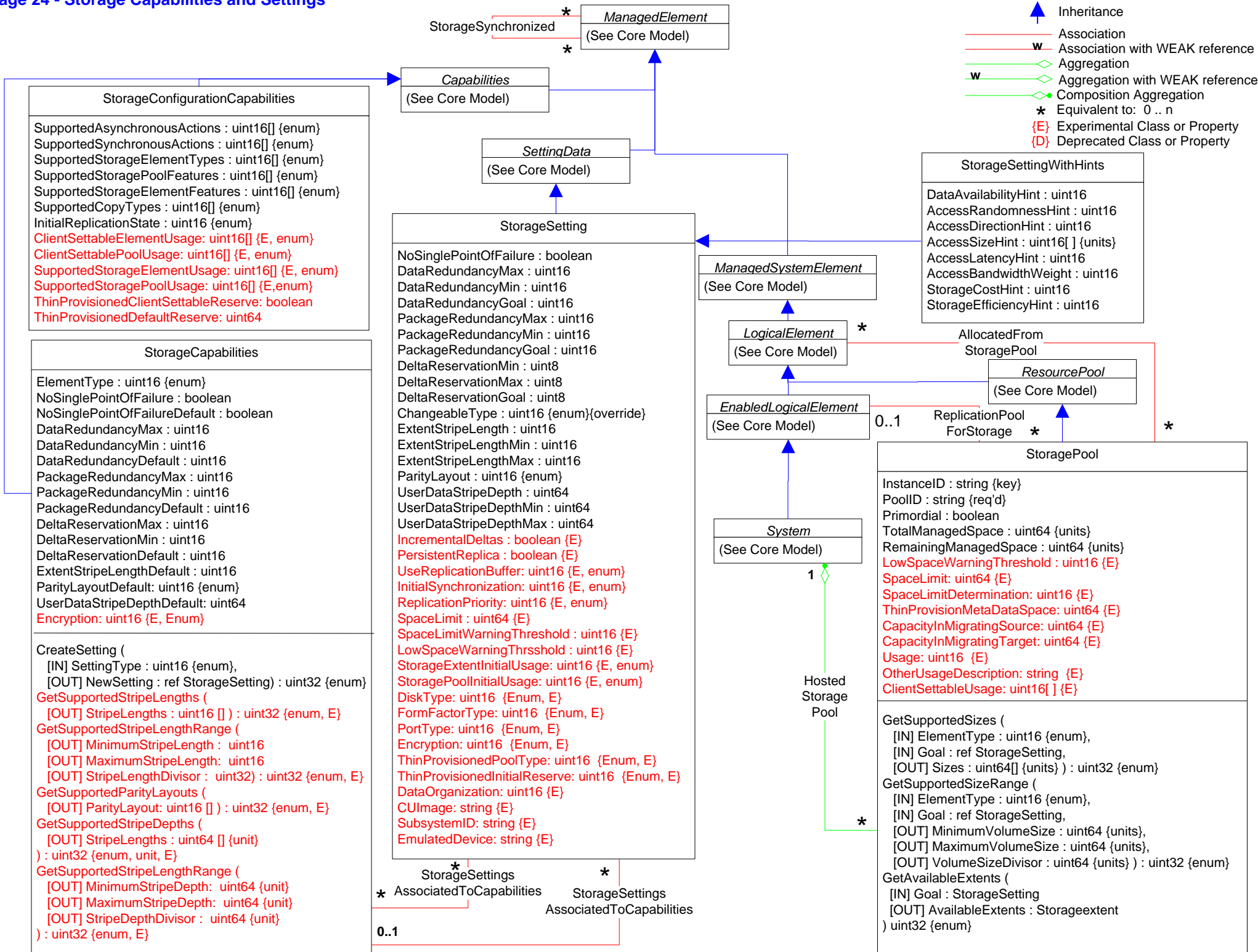
AddServiceAccessPoint([IN] ServiceAccessPoint: string, [IN] InstanceNamespace: string, [OUT] ServiceAccessPointPath: ref CIM\_ServiceAccessPoint): uint32 {enum}


AddSharedSecret([IN] SharedSecret: string, [IN] ServiceAccessPoint: CIM\_ServiceAccessPoint, [IN] InstanceNamespace: string, [OUT] SharedSecretPath: ref CIM\_SharedSecret): uint32 {enum}

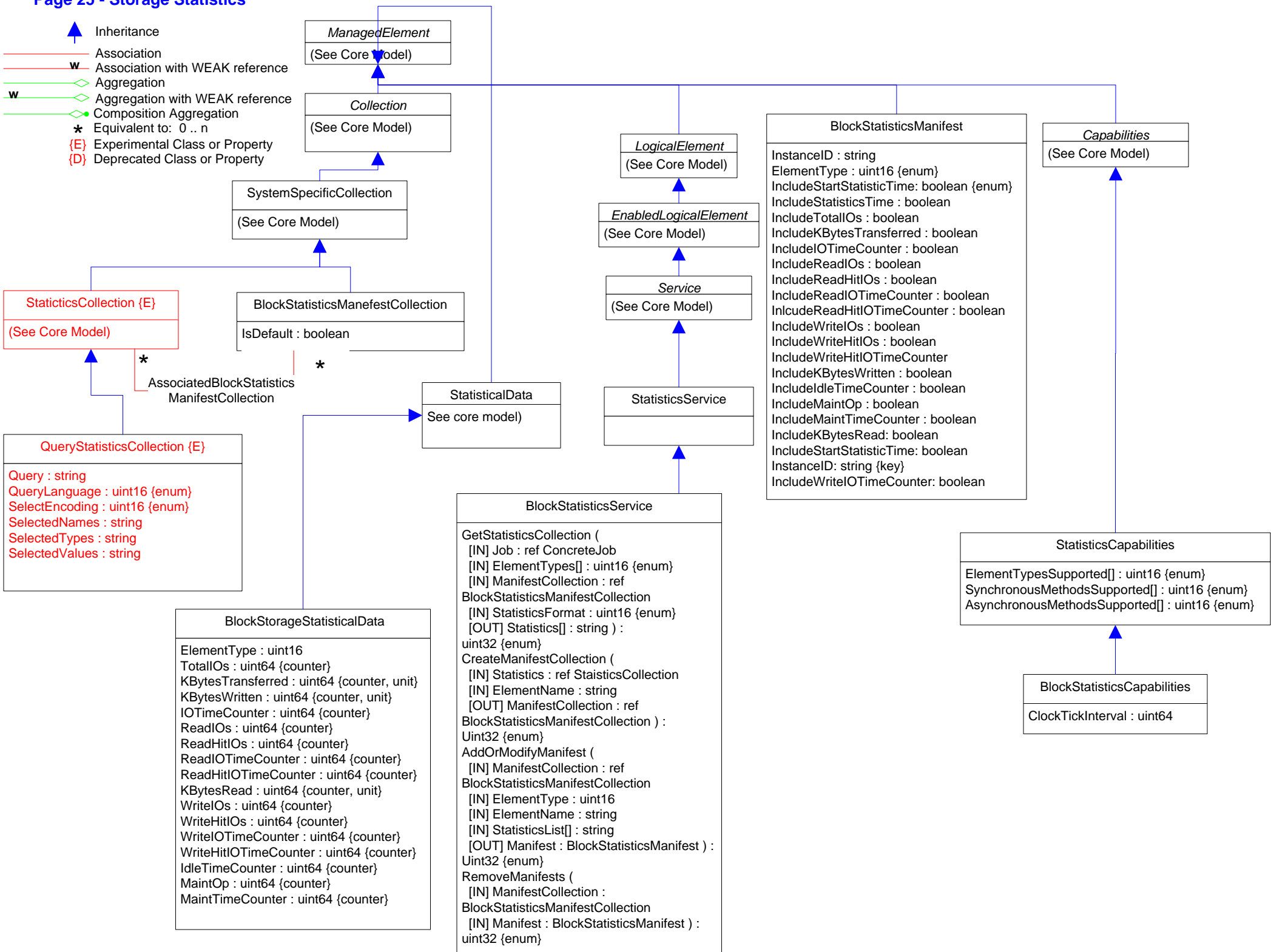
CreateListReplica([IN] ElementNames: string[], [IN] SyncType: uint16, [IN] Mode: uint16, [IN] SourceElements[]: ref CIM\_LogicalElement, [IN] SourceAccessPoint: ref CIM\_ServiceAccessPoint, [IN,OUT] TargetElements[]: ref CIM\_LogicalElement, [] TargetAccessPoint: ref CIM\_ServiceAccessPoint, [] ReplicationSettingData: string, [OUT] Job: ref CIM\_ConcreteJob, [OUT] Synchronizations[]: CIM\_Synchronized, [IN] TargetSettingGoal: ref CIM\_SettingData, [IN] TargetPool: CIM\_ResourcePool, [IN] WaitForCopyState: uint16): uint32 {enum}














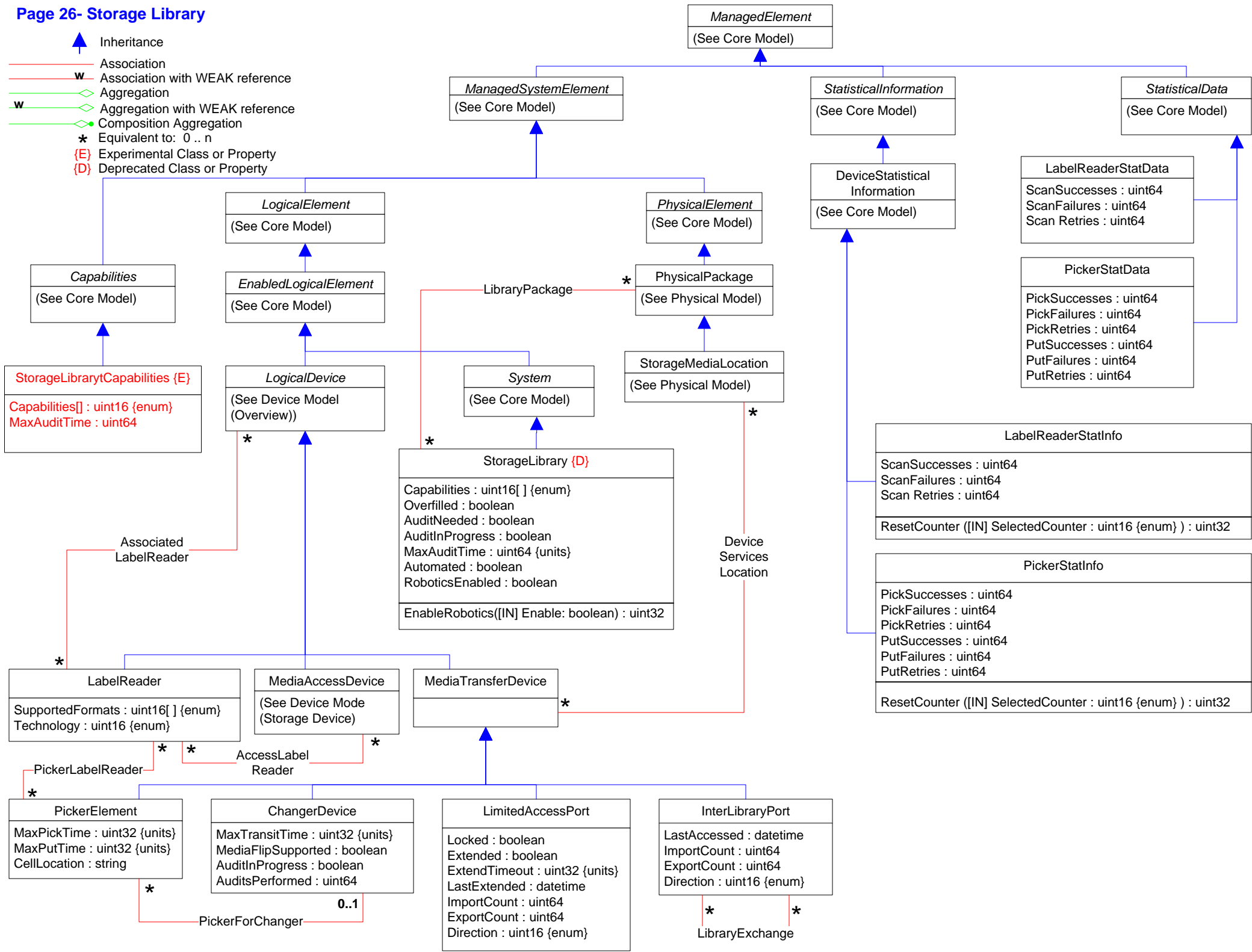


-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0 .. n
-  {E} Experimental Class or Property
-  {D} Deprecated Class or Property



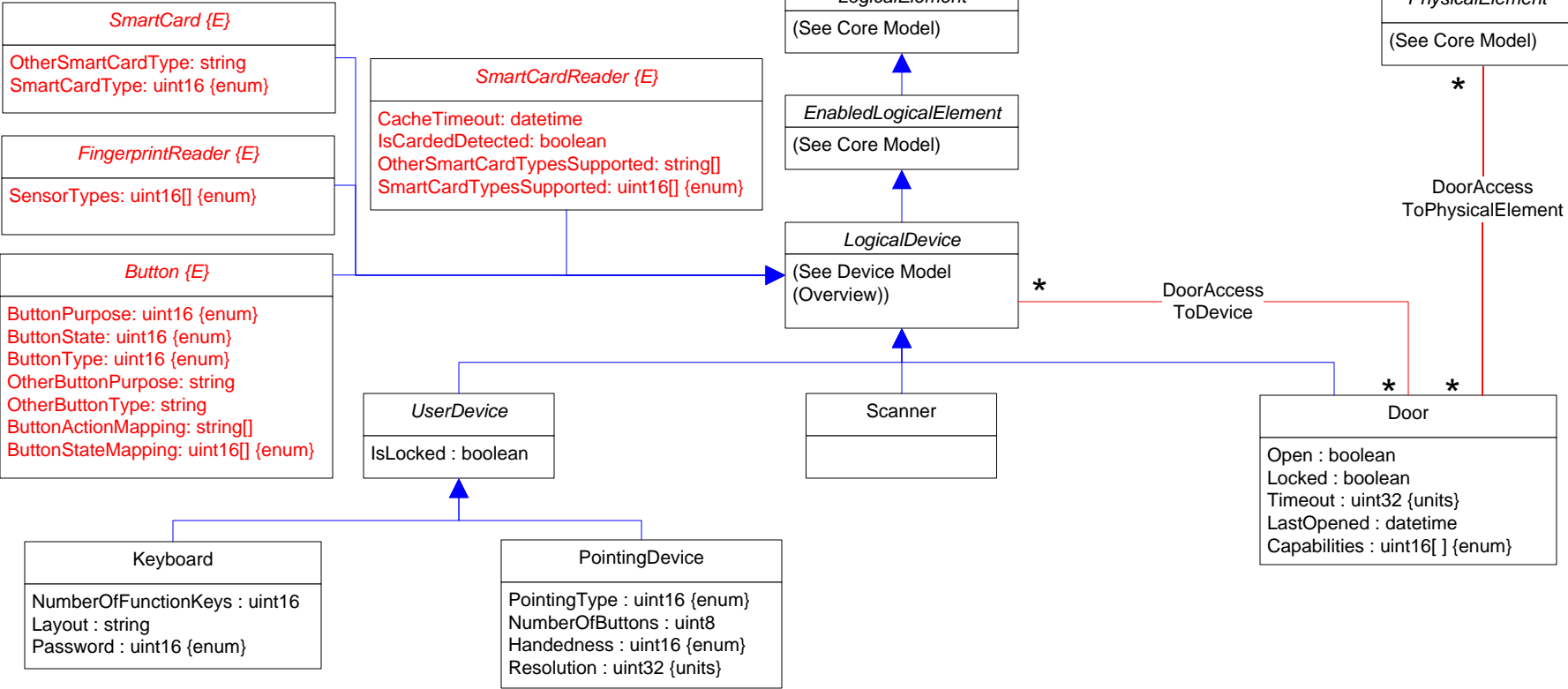
# Page 26- Storage Library




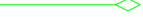



-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0 .. n
-  (E) Experimental Class or Property
-  (D) Deprecated Class or Property

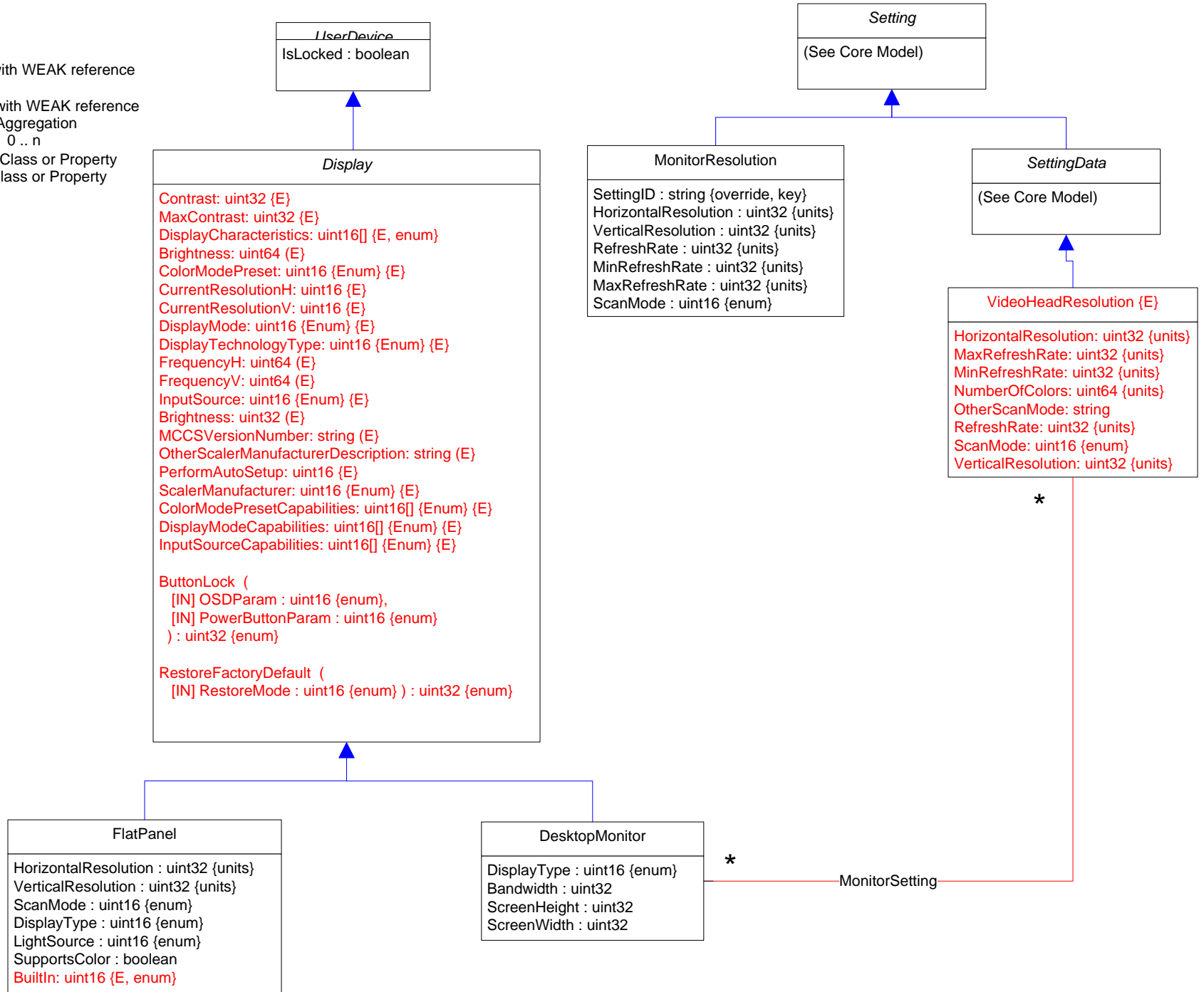


# Page 27- User Devices




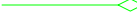





- Inheritance
- Association
- Association with WEAK reference
- Aggregation
- Aggregation with WEAK reference
- Composition Aggregation
- Equivalent to: 0 .. n
- {E} Experimental Class or Property
- {D} Deprecated Class or Property

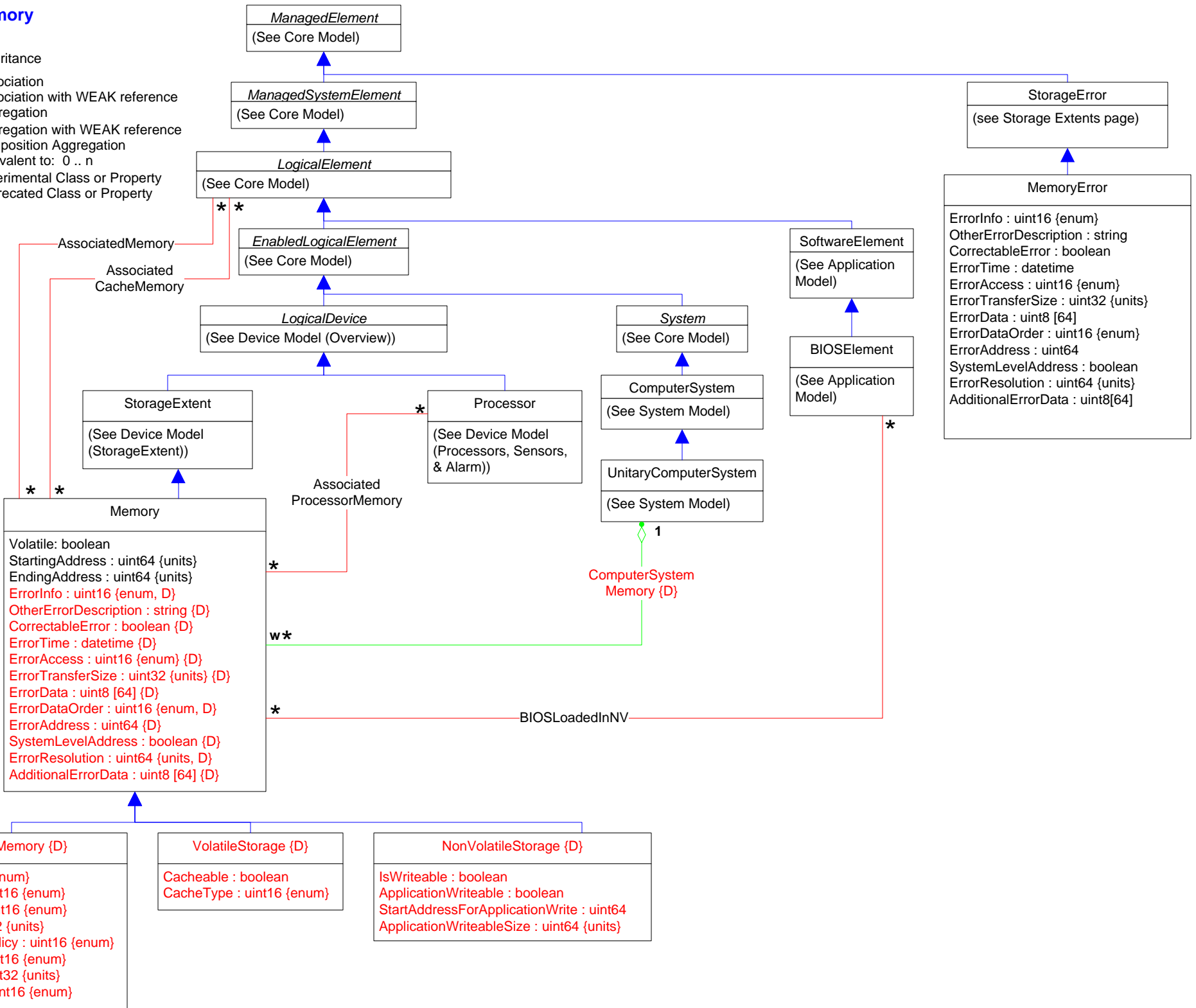


-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0..n
- {E} Experimental Class or Property
- {D} Deprecated Class or Property












# Page 30 - Memory

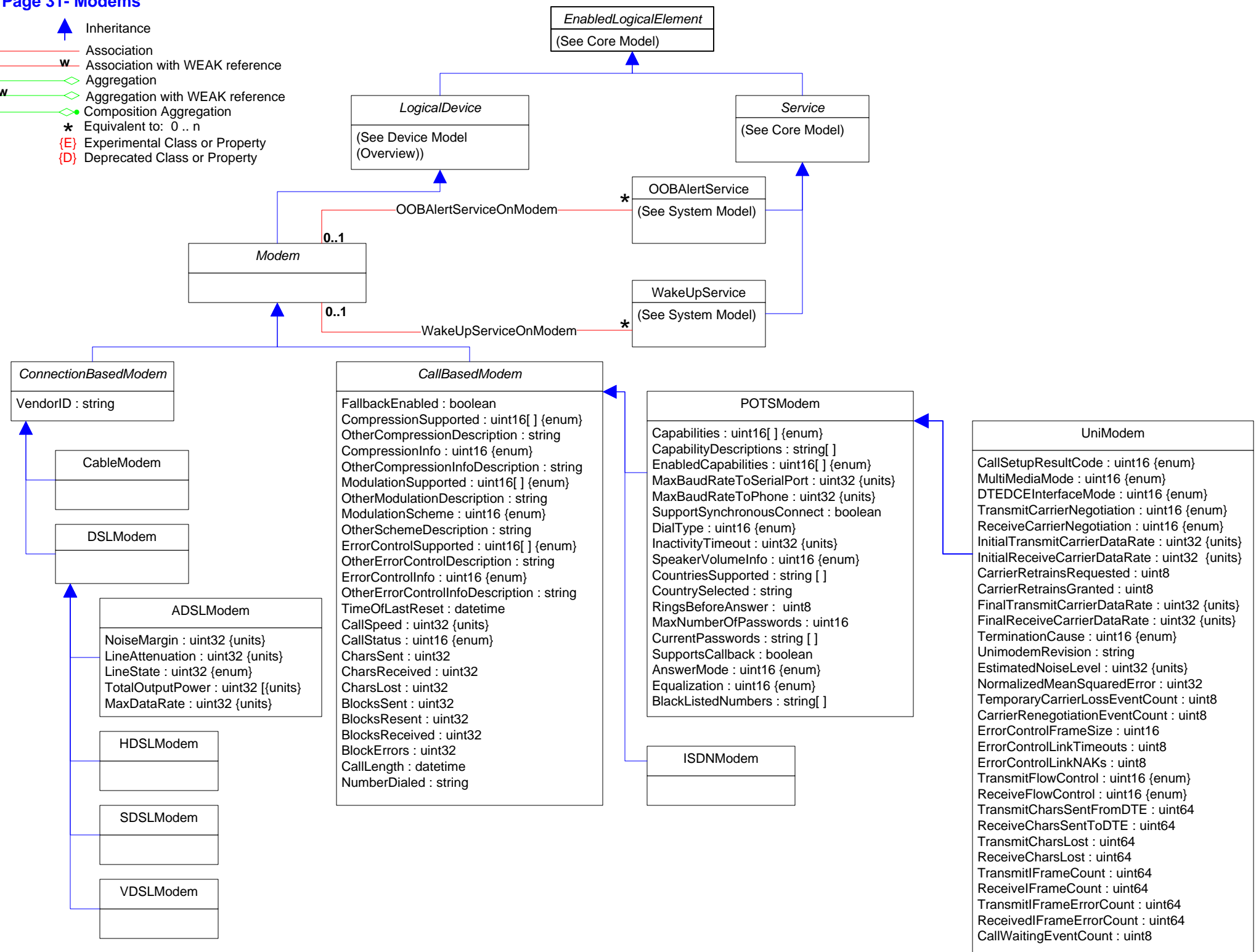
-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0..n
-  Experimental Class or Property
-  Deprecated Class or Property

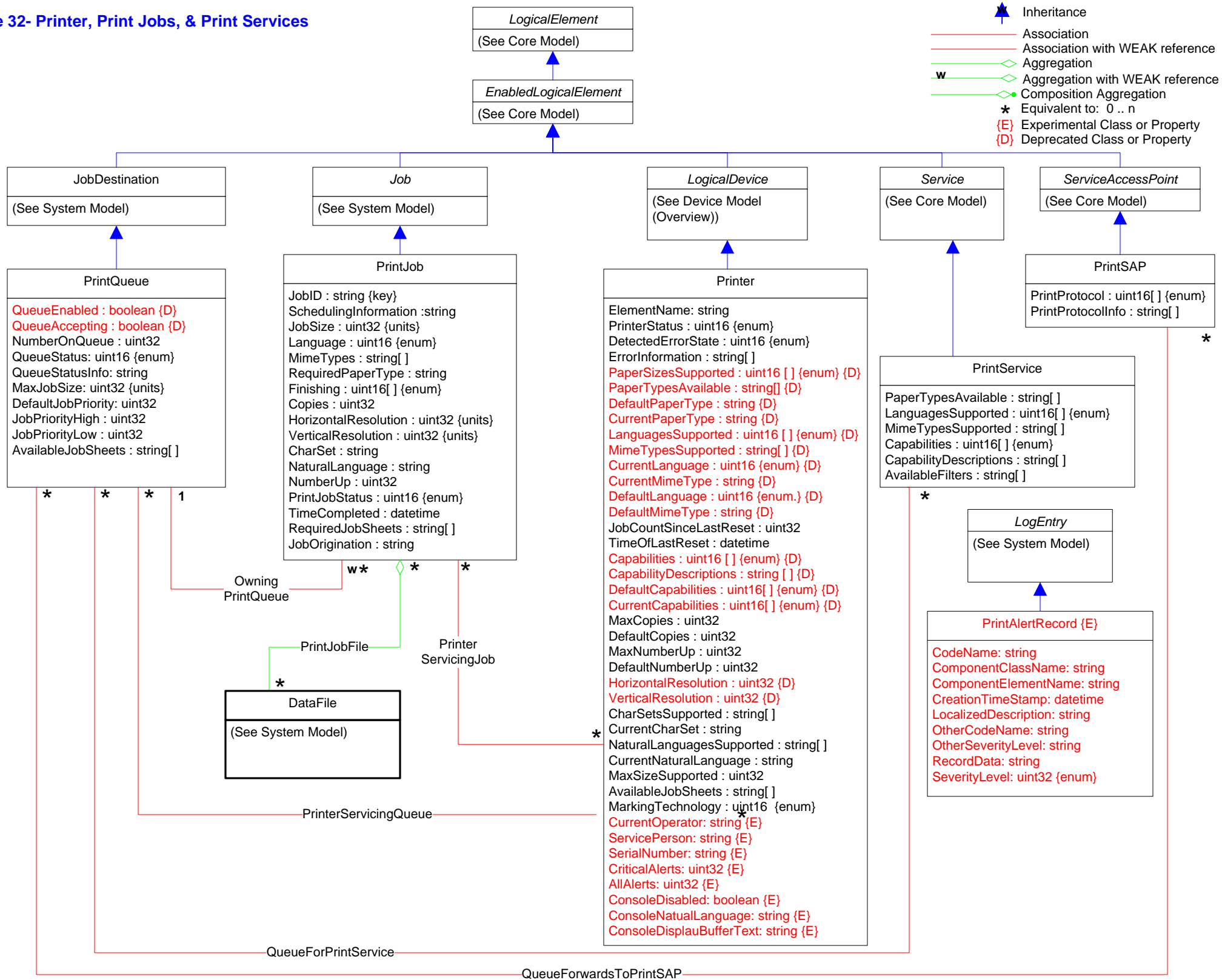











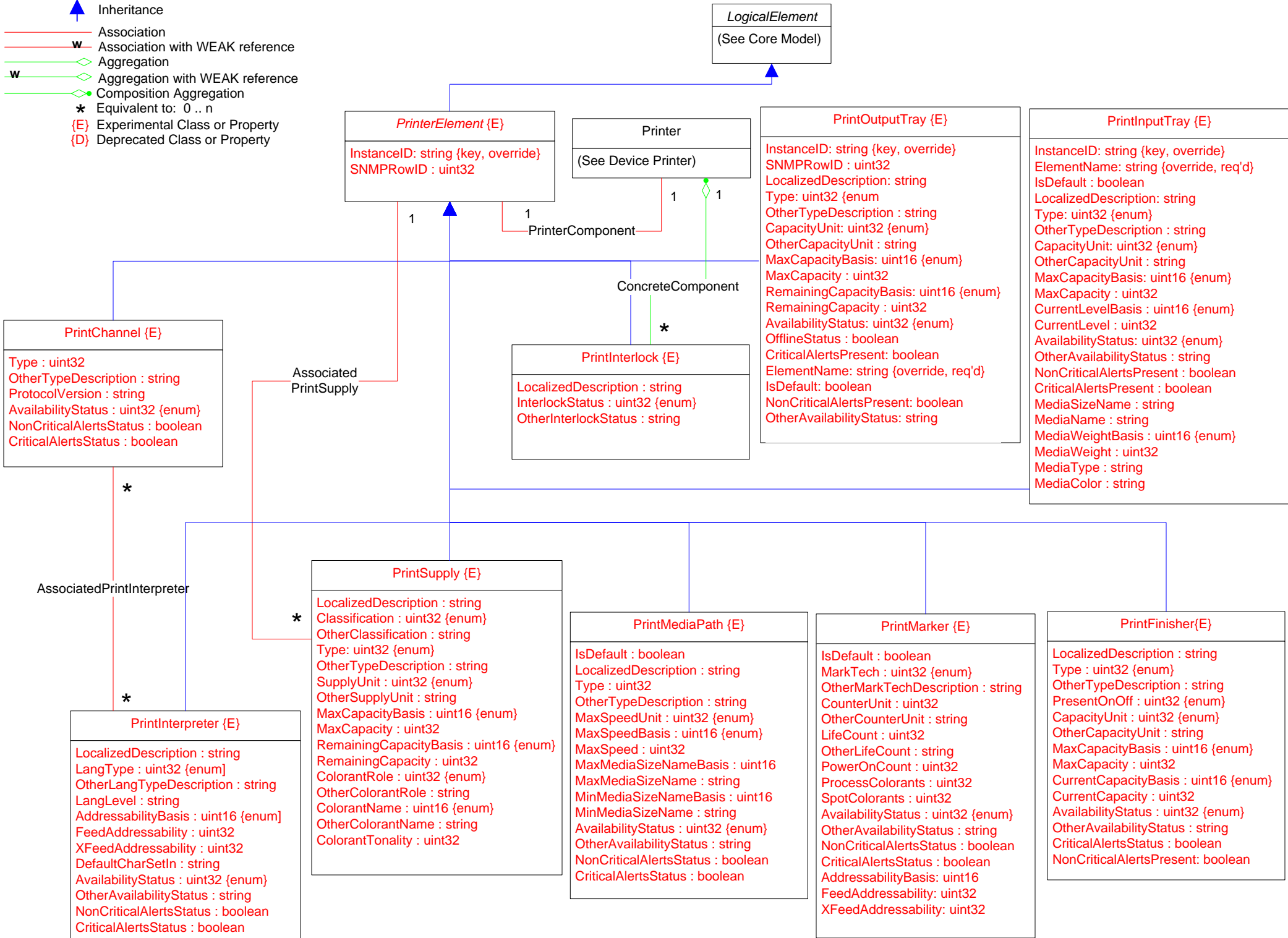
# Page 31- Modems

-  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



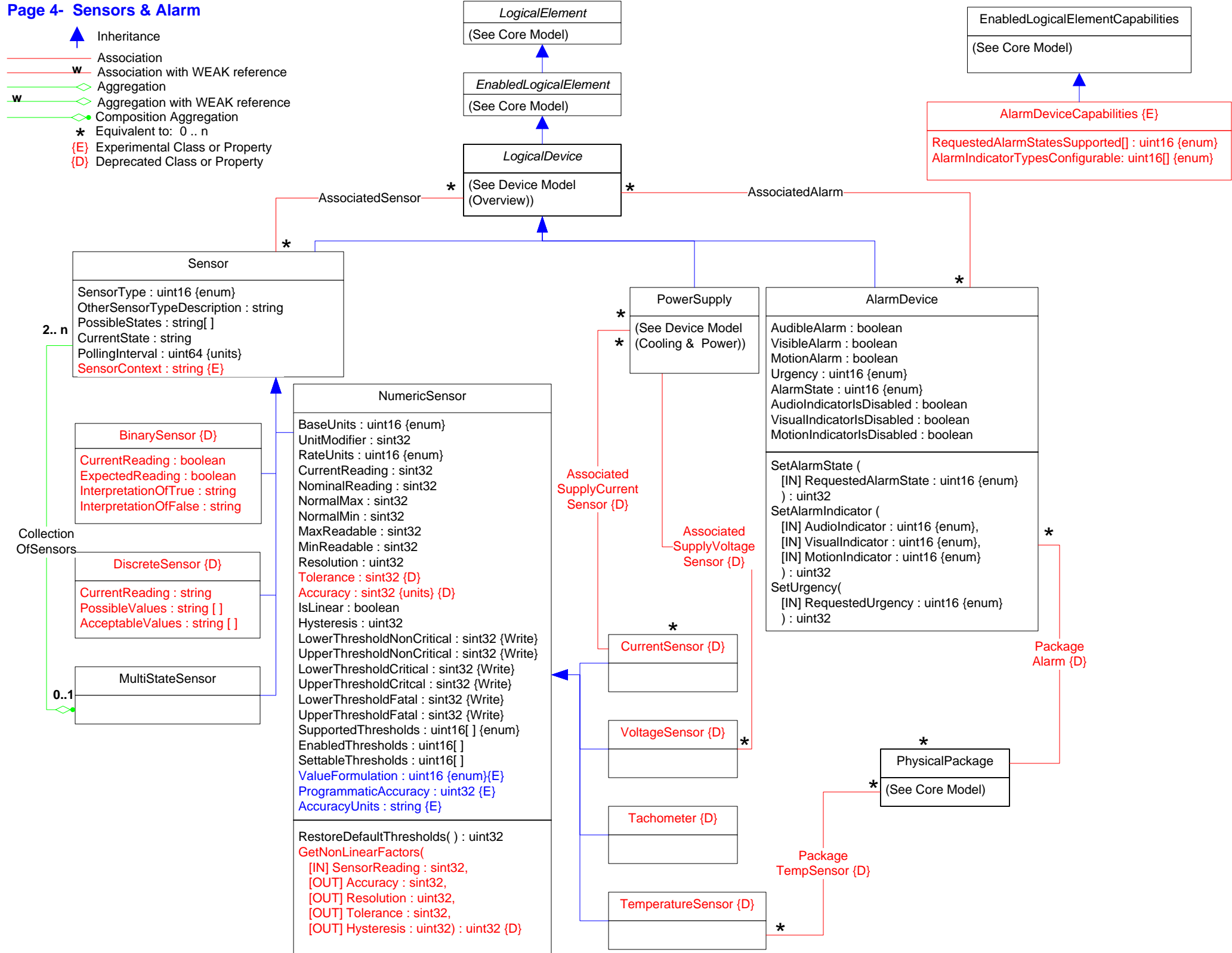









-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0 .. n
- {E} Experimental Class or Property
- {D} Deprecated Class or Property

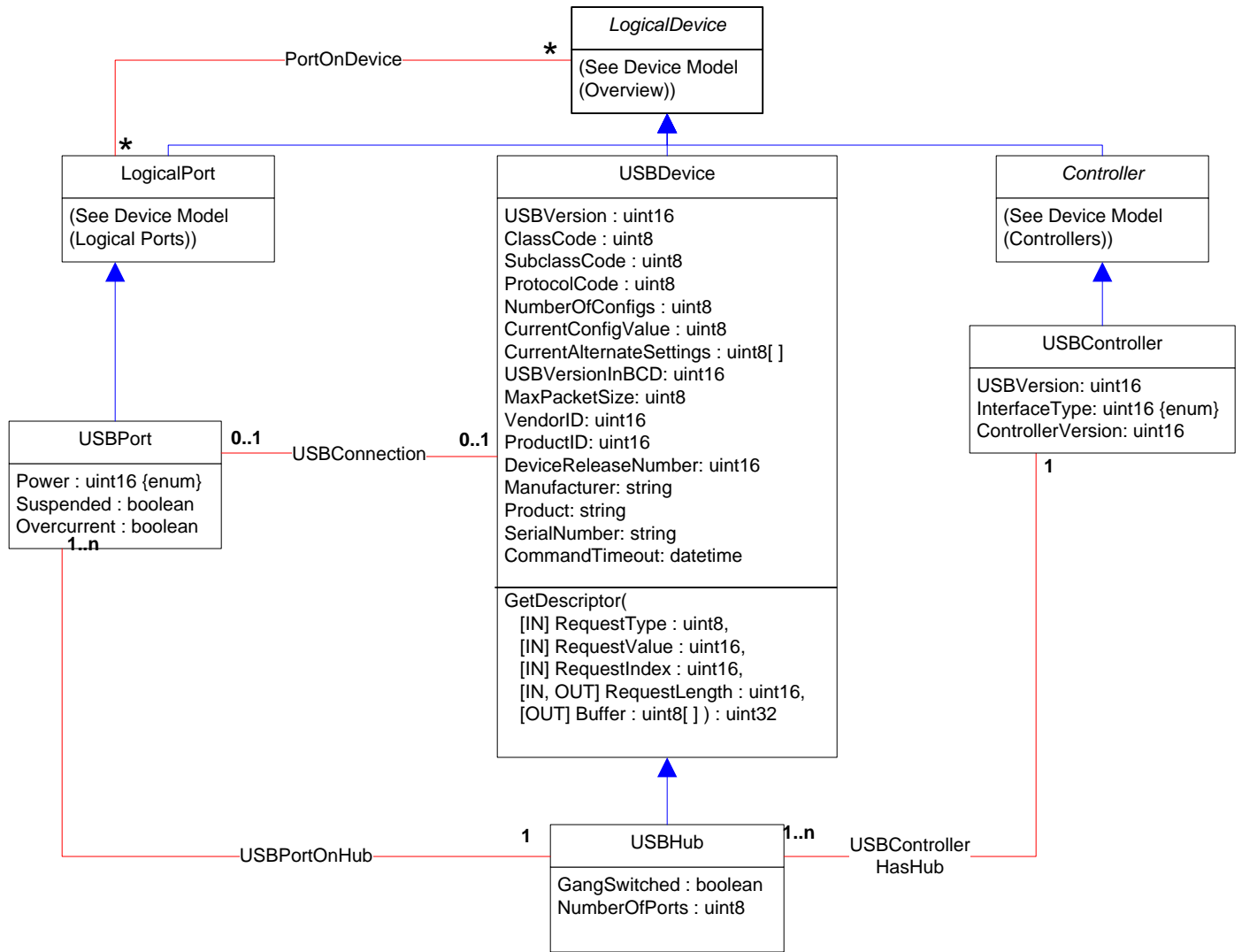


# Page 4- Sensors & Alarm

- 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

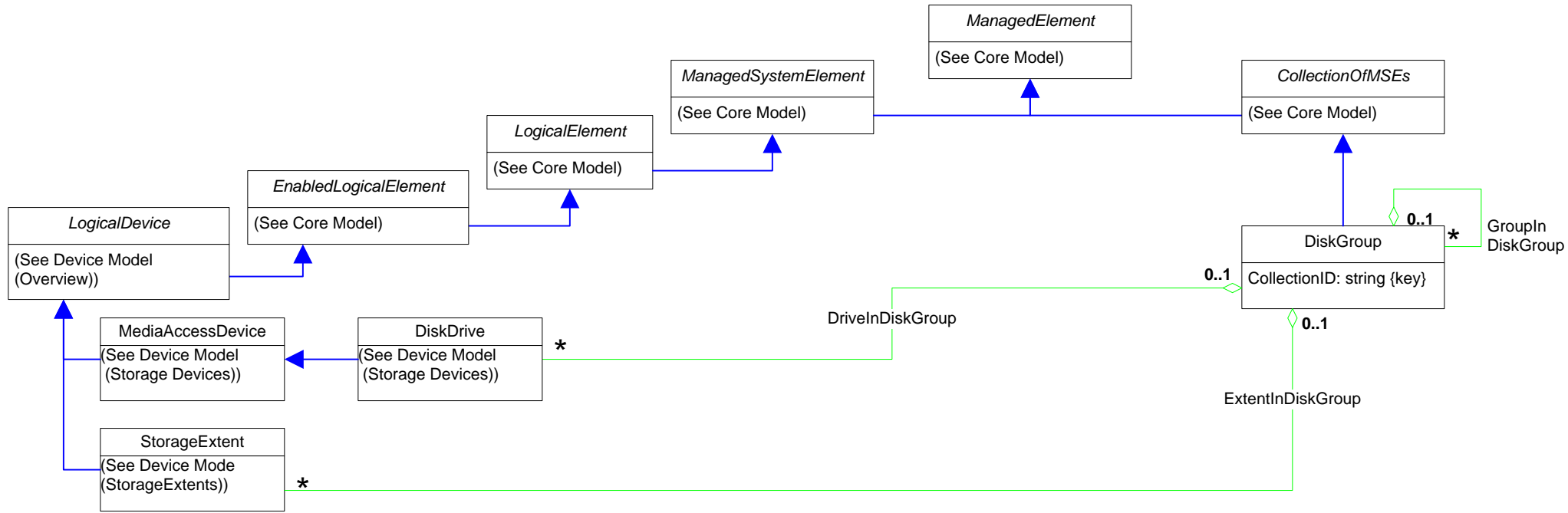


-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0 .. n










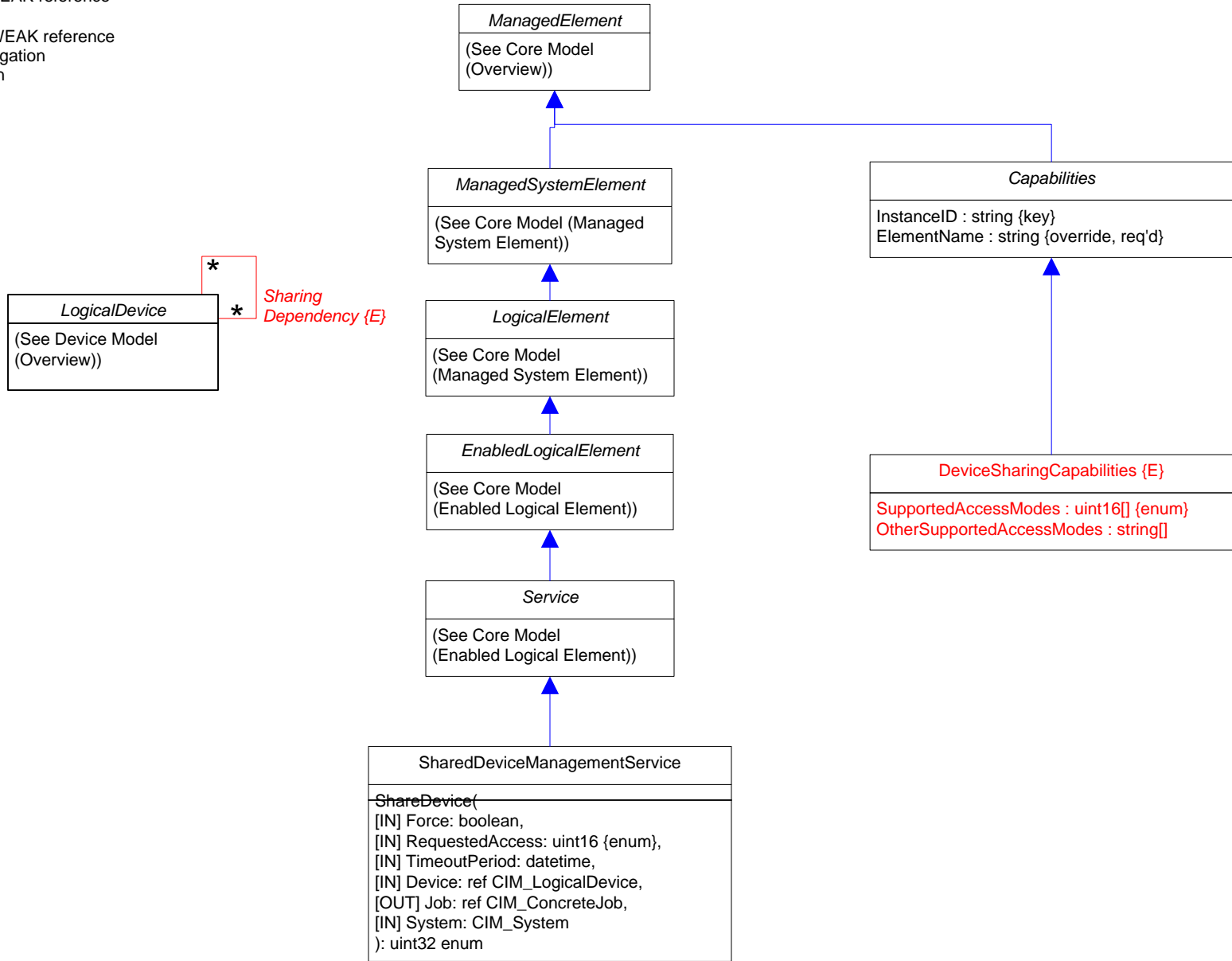
# Page 36 - Disk Group

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






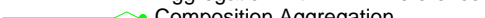



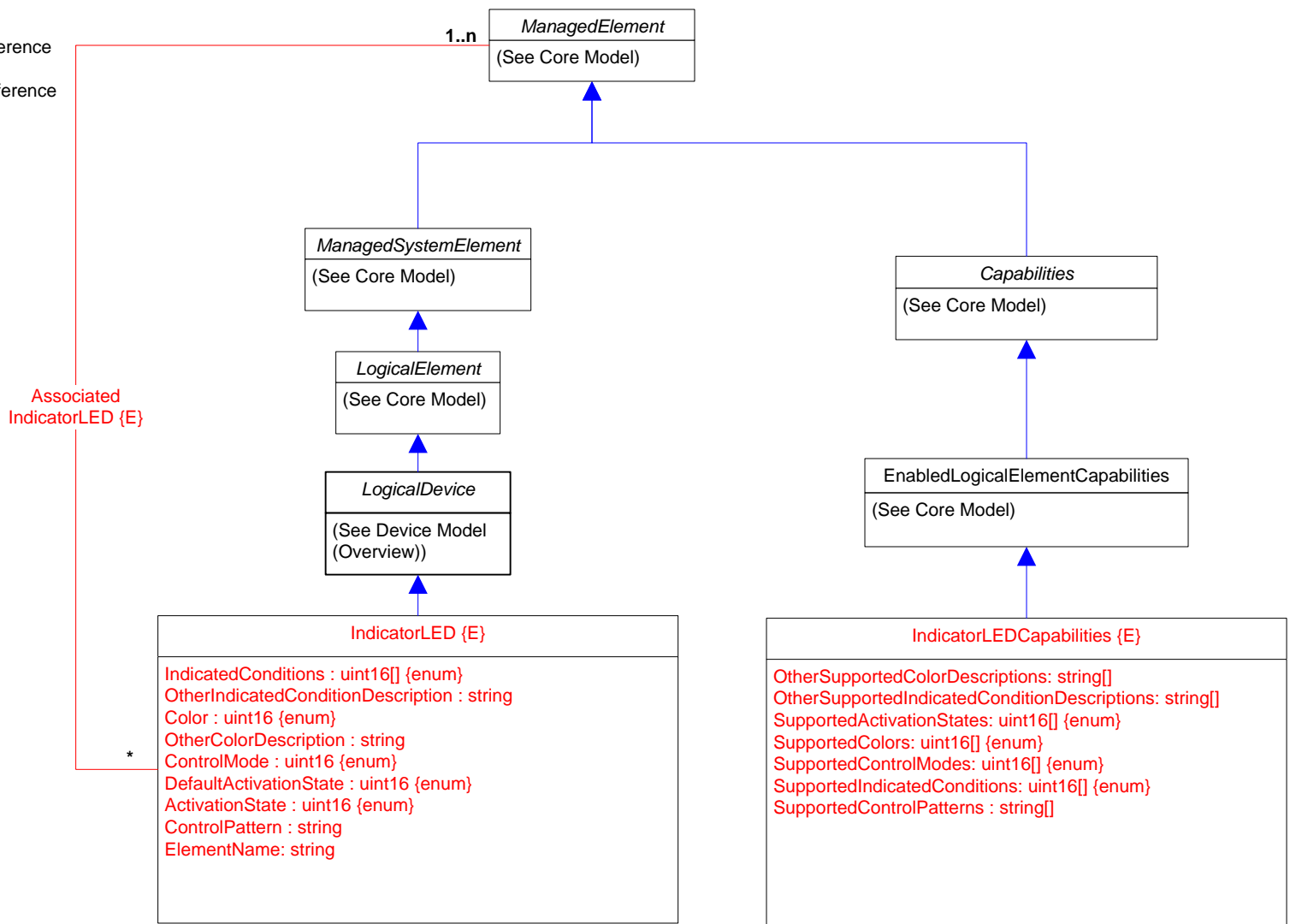
# Page 37- Device Sharing


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

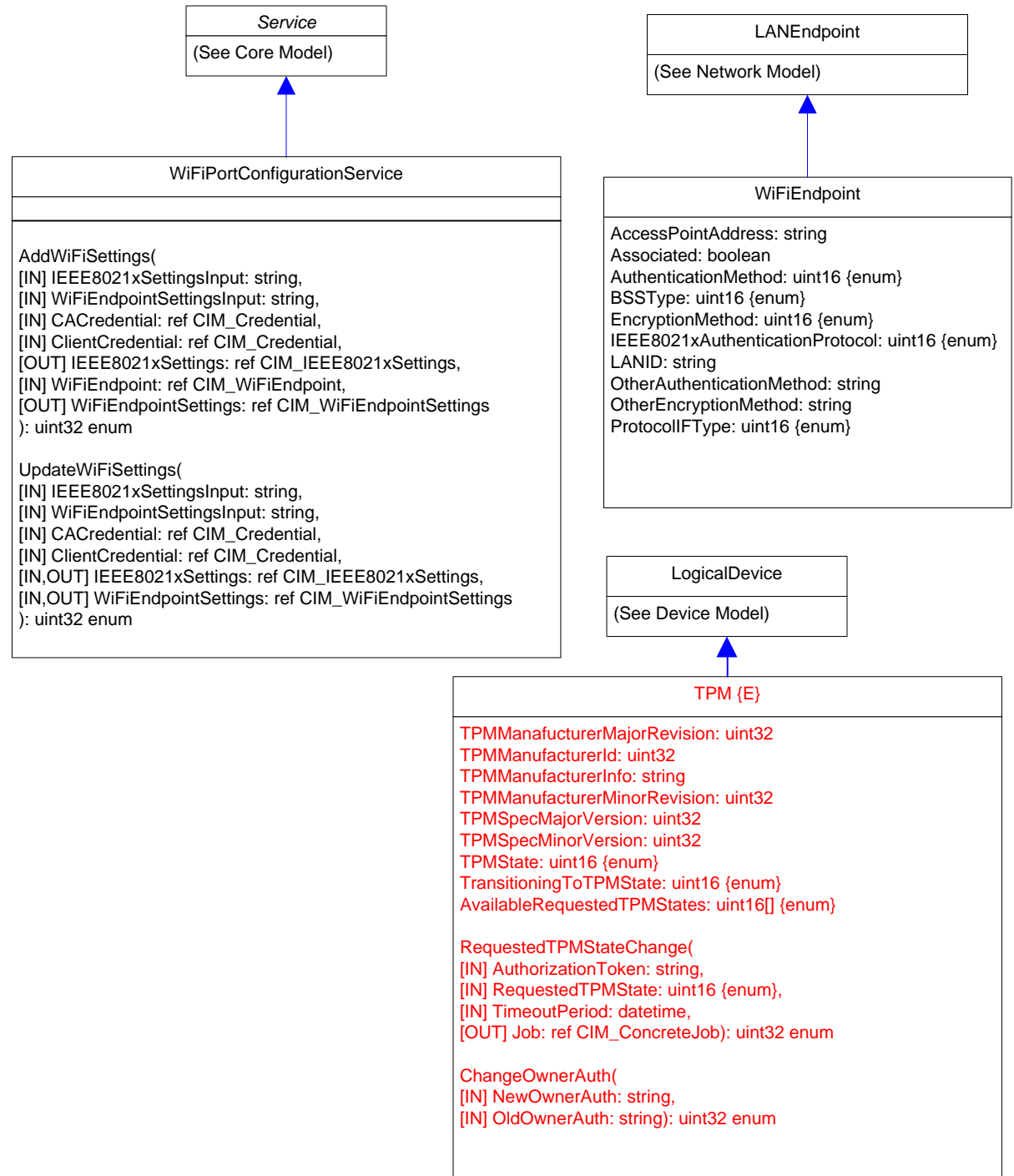
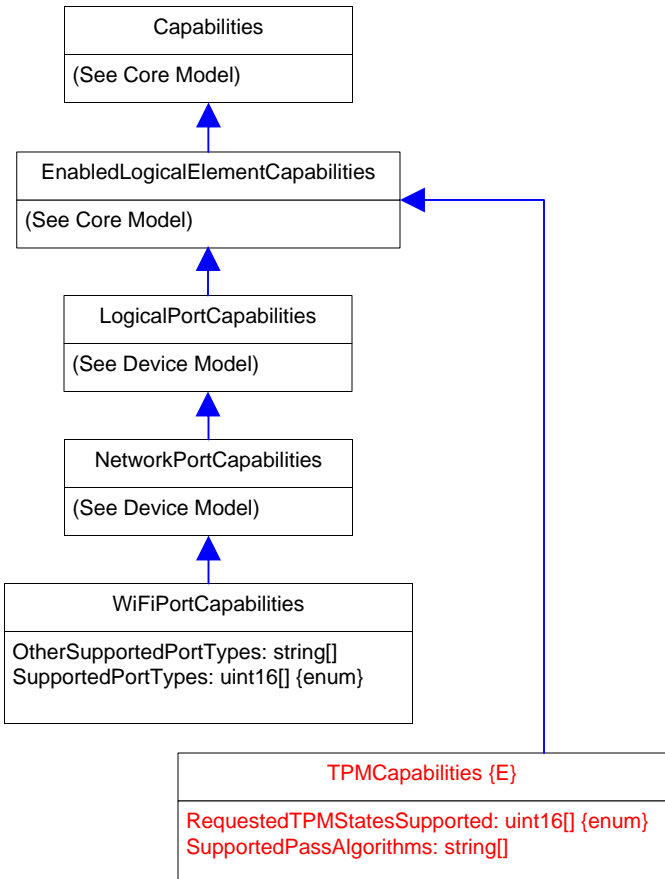


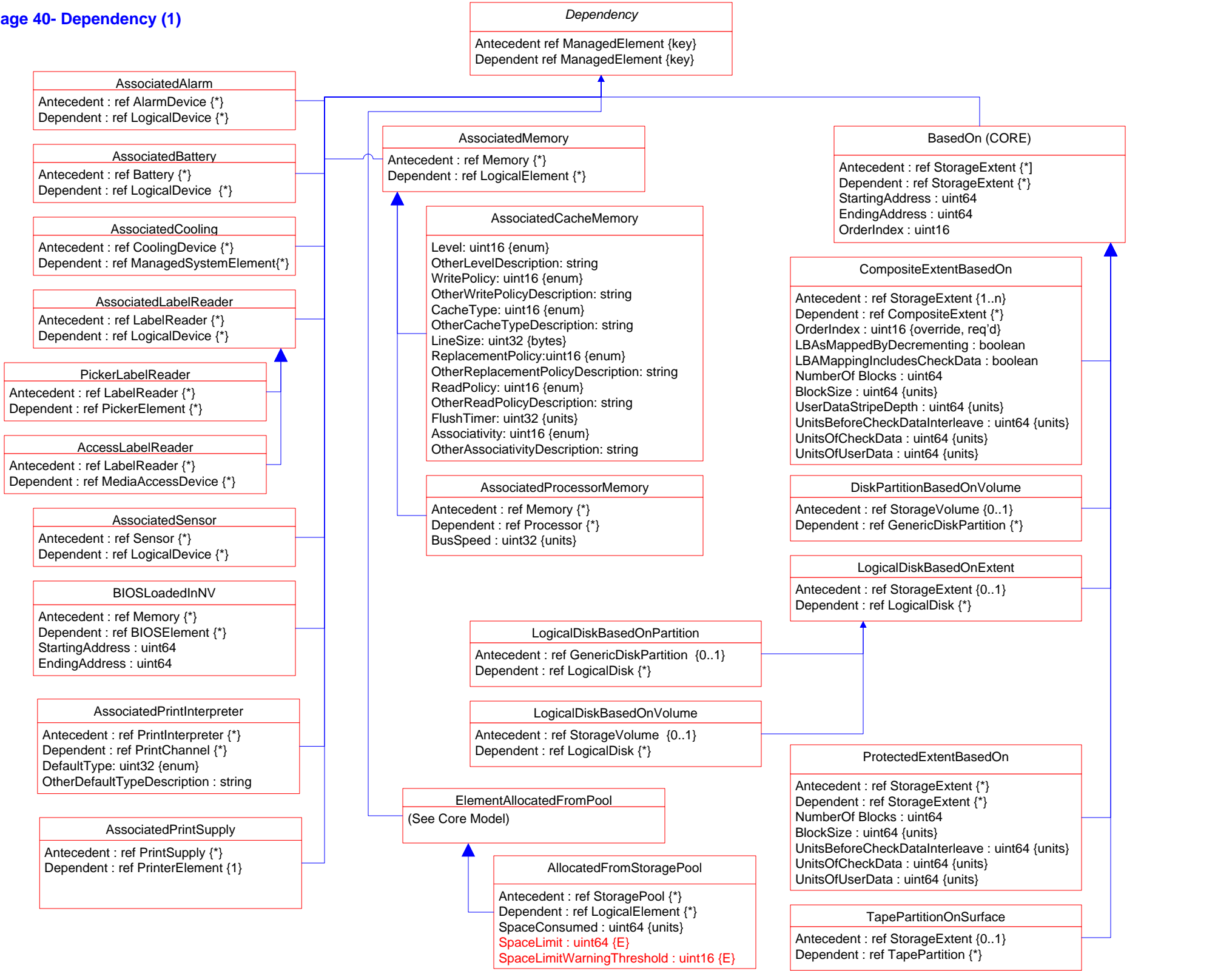


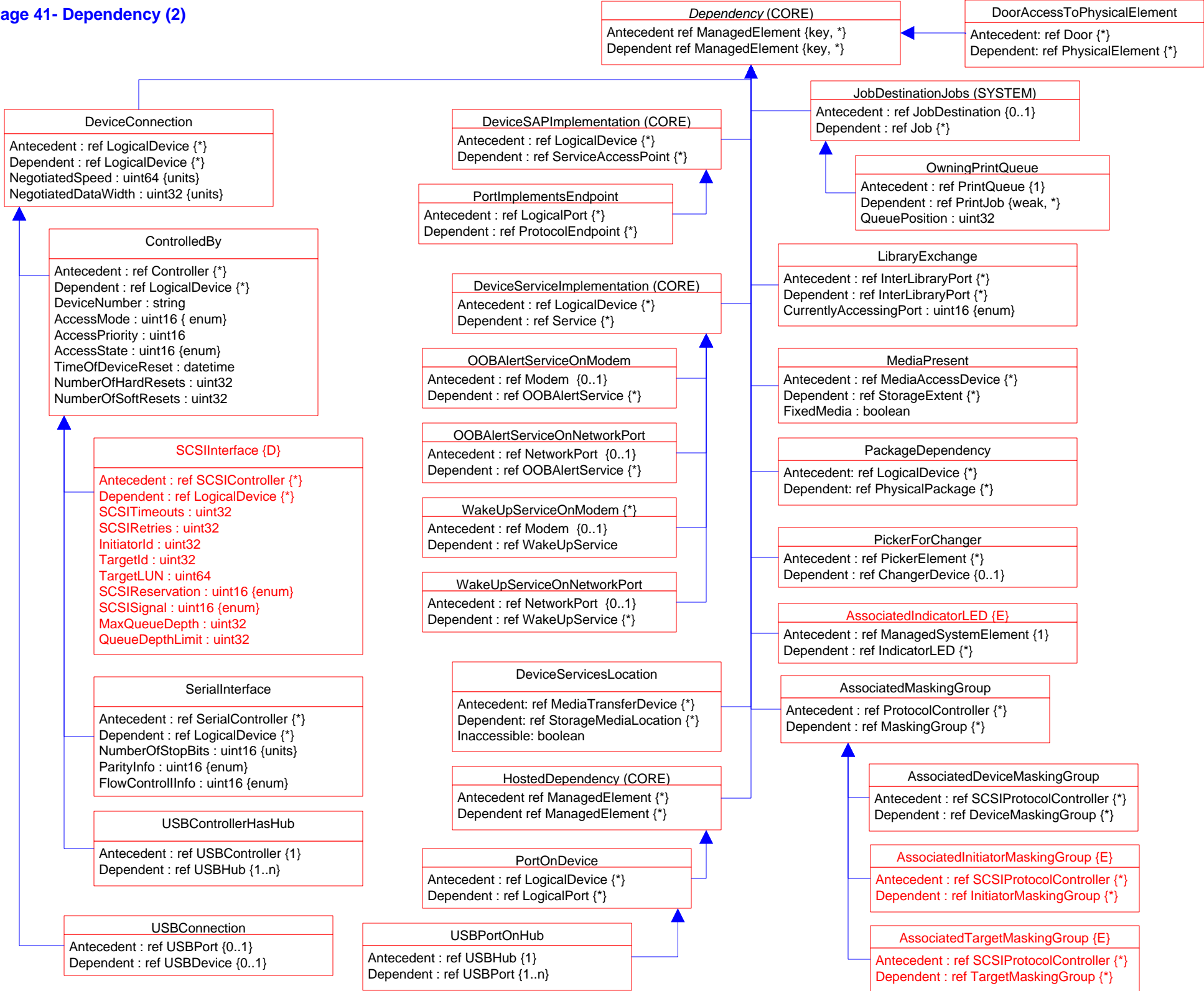
-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0 .. n



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







**Dependency (CORE)**  
 Antecedent ref ManagedElement {key, \*}  
 Dependent ref ManagedElement {key, \*}

**DeviceSoftware**  
 Antecedent : ref SoftwareElement {\*}  
 Dependent : ref LogicalDevice {\*}  
 LoadedOnDevice: boolean  
 Purpose: uint16 {enum}  
 PurposeDescription: string  
 UpgradeableOnDevice: boolean

**DoorAccessToDevice**  
 Antecedent: ref Door {\*}  
 Dependent: ref LogicalDevice {\*}

**PortActiveConnection**  
 Antecedent: ref PhysicalConnector {\*}  
 Dependent: ref NetworkPort {\*}

**PrinterServicingJob**  
 Antecedent : ref Printer {\*}  
 Dependent : ref PrintJob {\*}

**PrinterServicingQueue**  
 Antecedent : ref Printer {\*}  
 Dependent : ref PrintQueue {\*}

**ProtocolControllerForDevice**  
 Antecedent : ref ProtocolController {\*}  
 Dependent : ref LogicalDevice {\*}  
 DeviceNumber : string  
 AccessPriority : uint16  
 AccessState : uint16 {enum}

**QueueForPrintService**  
 Antecedent : ref PrintQueue {\*}  
 Dependent : ref PrintService {\*}  
 QueueAcceptingFromService : boolean

**QueueForwardsToPrintSAP**  
 Antecedent : ref PrintSAP {\*}  
 Dependent : ref PrintQueue {\*}

**AsymmetricAccessibility {E}**  
 Antecedent: ref TargetPortGroup {\*}  
 Dependent: ref StorageResourceLoadGroup {\*}  
 CurrentAccessState: uint16 {enum}  
 NormalAccessState: uint16 {enum}

**StorageProcessorAffinity {E}**  
 Antecedent: ref ComputerSystem {\*}  
 Dependent: ref Collection {\*}  
 IsPrimjary: boolean  
 IsActive: boolean

**Realizes (CORE)**  
 Antecedent: ref PhysicalElement {\*}  
 Dependent: ref LogicalDevice {\*}

**RealizesExtent**  
 Antecedent: ref PhysicalComponent {0..1}  
 Dependent: ref StorageExtent {\*}  
 StartingAddress: uint64

**RealizedOnSide**  
 Antecedent: ref PhysicalMedia {0..1}  
 Dependent: ref StorageExtent {\*}  
 Side: uint16 {enum}

**RealizesDiskPartition**  
 Antecedent: ref PhysicalMedia {0..1}  
 Dependent: ref GenericDiskPartition {\*}

**RealizesTapePartition**  
 Antecedent: ref PhysicalTape {0..1}  
 Dependent: ref TapePartition {\*}

**AssociatedProtocolController**  
 Antecedent : ref ProtocolController {\*}  
 Dependent : ref ProtocolController {\*}

**ProtocolControllerAccessUnit**  
 Antecedent : ref ProtocolController {\*}  
 Dependent : ref LogicalDevice {\*}  
 TargetControllerNumber : string  
 DeviceAccess : uint16 {enum, E}

**ProtocolControllerForPort**  
 Antecedent : ref ProtocolController {\*}  
 Dependent : ref LogicalPort {\*}

**ProtocolControllerForUnit**  
 Antecedent : ref ProtocolController {\*}  
 Dependent : ref LogicalDevice {\*}  
 DeviceAccess : uint16 {enum}

**RealizesProcessor {E}**  
 Antecedent: ref PhysicalComponent {0..1}  
 Dependent: ref StorageExtent {\*}  
 RealizationType: uint16

**SuppliesPower**  
 Antecedent : ref PowerSource {\*}  
 Dependent : ref ManagedSystemElement{\*}

**SystemPackaging (CORE)**  
 Antecedent: ref PhysicalElement {\*}  
 Dependent: ref System {\*}

**LibraryPackage**  
 Antecedent: ref PhysicalPackage {\*}  
 Dependent: ref StorageLibrary {\*}

**InstalledPartitionTable {E}**  
 Capabilities: ref DiskPartitionConfigurationCapabilities {\*}  
 Dependent : ref StorageExtent {\*}

**SharingDependency**  
 Antecedent: ref LogicalDevice{0..1}  
 Dependent : ref LogicalDevice{\*}  
 CurrentStatus : uint16 {enum}  
 OtherCurrentStatus : string

**ReplicationPoolForStorage {E}**  
 Antecedent: ref EnabledLogicalElement {0..1}  
 Dependent : ref StoragePool

**StorageSettingsAssociatedToCapabilities (CORE)**  
 Antecedent: ref StorageCapabilities {\*}  
 Dependent : ref StorageSetting {\*}  
 DefaultSetting : boolean

**StorageSettingsAssociatedToCapabilities {E}**  
 Antecedent: ref StorageCapabilities {\*}  
 Dependent : ref StorageSetting {\*}  
 DefaultSetting : boolean

**StorageSettingsGeneratedFromCapabilities**  
 Antecedent: ref StorageCapabilities {0..1}  
 Dependent : ref StorageSetting {\*}

