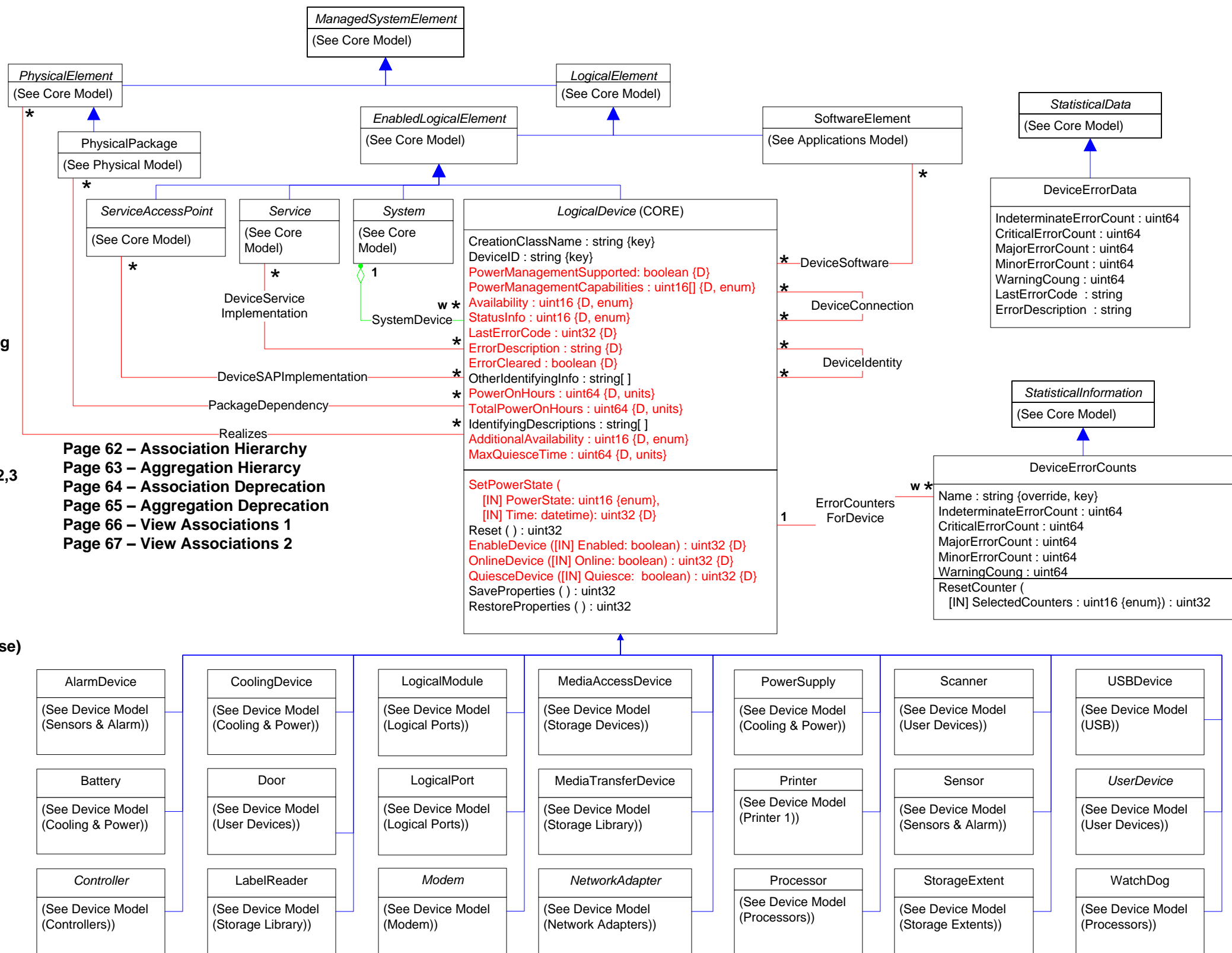






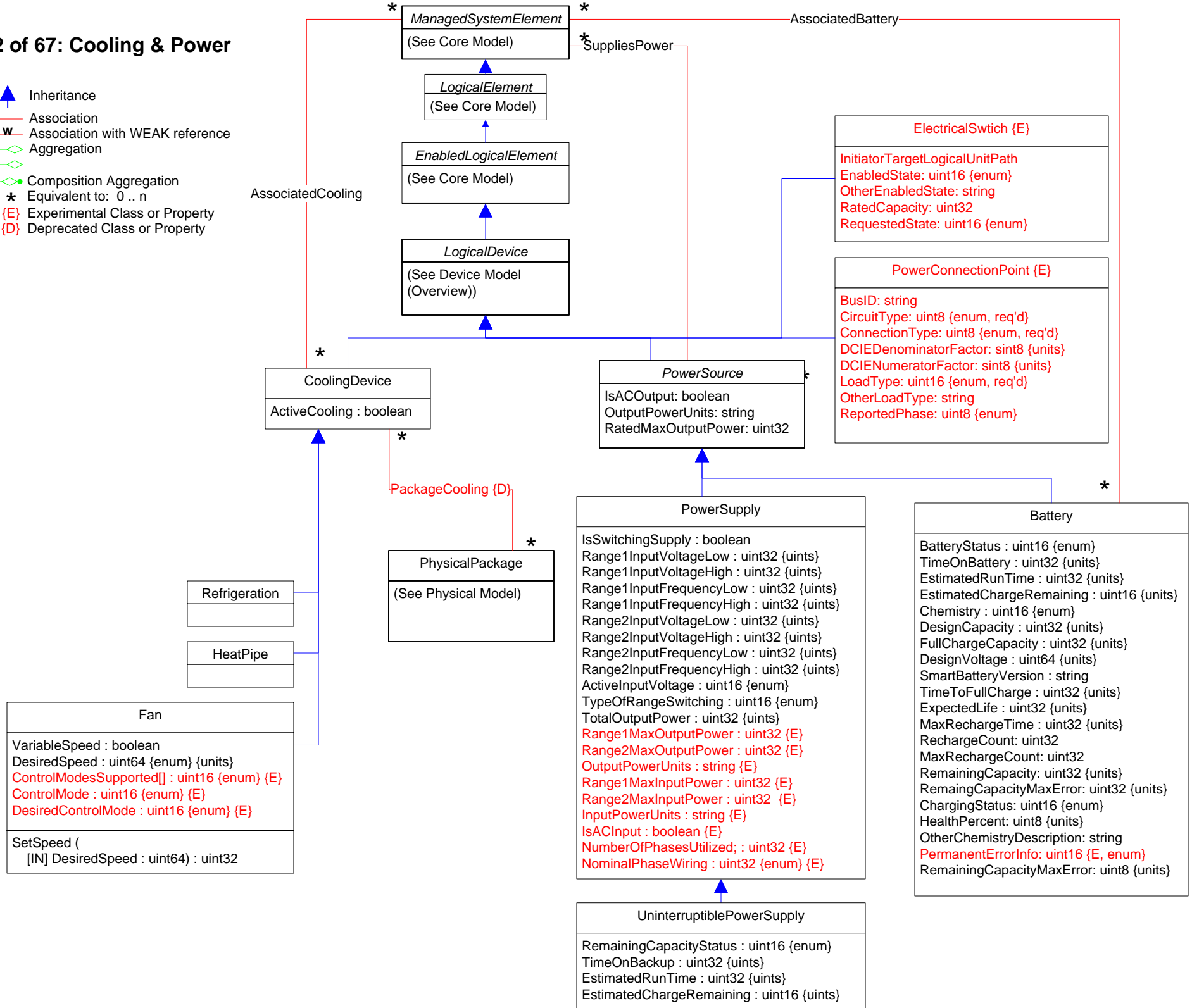


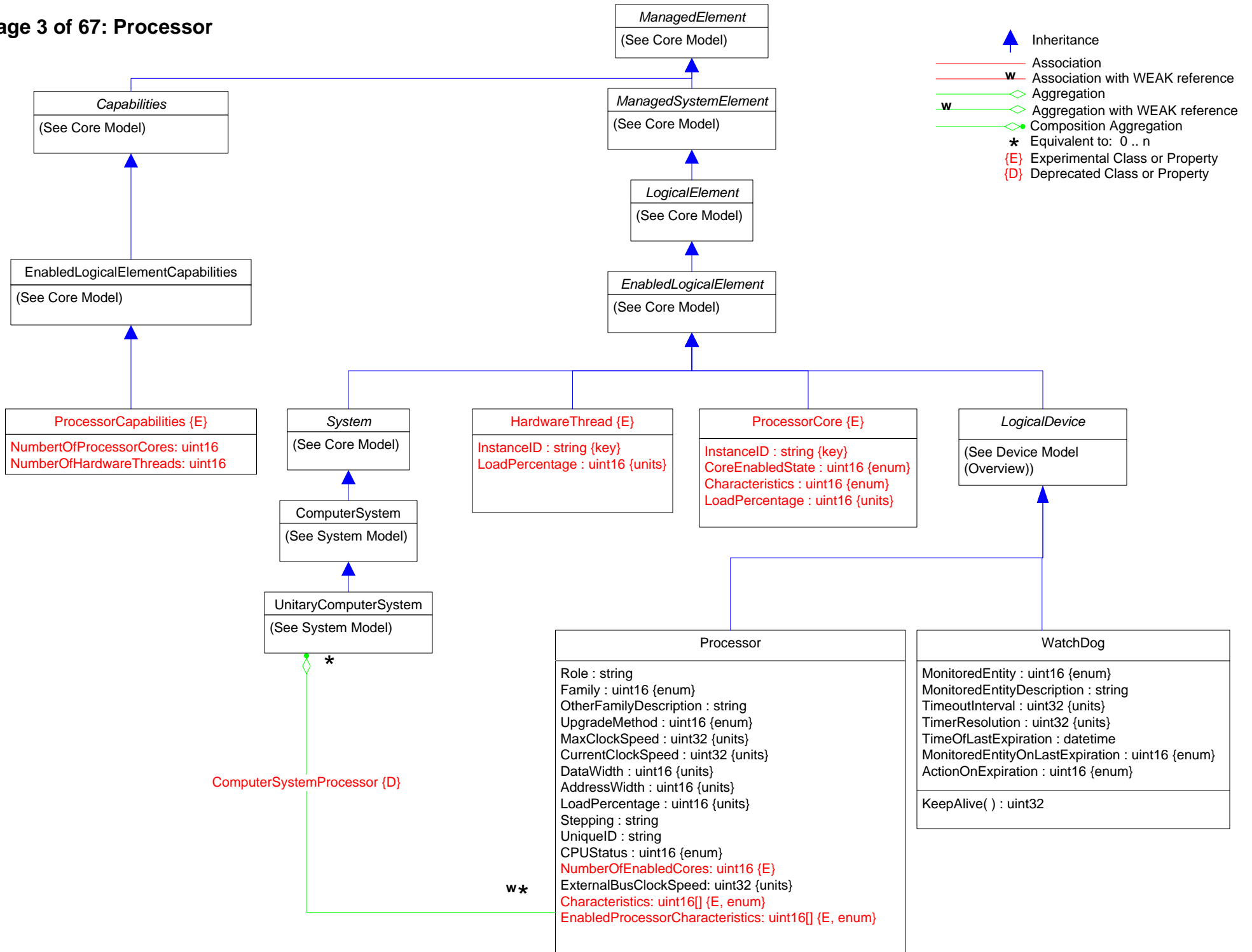
**Title : Device Specification 2.41.0**  
**Filename : CIM\_Device.vsd**  
**Author : DMTF Core Schema WG**  
**Date : 16 May 2014**  
**Page 1 – Overview**  
**Page 2 – Cooling & Power**  
**Page 3 – Processors**  
**Page 4 – Controllers**  
**Page 5 – Video Controllers**  
**Page 6 – PCI Controllers**  
**Page 7,8,9 – Logical Ports 1,2,3**  
**Page 10 – Logical Port Group**  
**Page 11 – Protocol Controllers**  
**Page 12 – Network Adapters**  
**Page 13 – Network Adapter Statistics**  
**Page 14 – Fibre Channel**  
**Page 15 – Fibre Channel Statistics**  
**Page 16 – Fibre Channel Services & Zoning**  
**Page 17 – InfiniBand**  
**Page 18 – Storage Devices**  
**Page 19 – Storage Multipath**  
**Page 20,21 – Storage Extents 1,2**  
**Page 22 – Storage Name Binding**  
**Page 23 – SCC Extent Model**  
**Page 24,25,26,27,28 – Storage Services 1,2,3**  
**Page 29 – Storage Tiers 1**  
**Page 30 – Storage Tiers 2**  
**Page 31 – Storage Groups**  
**Page 32 - 37 – Storage Capabilities 1 - 5**  
**Page 38 – Storage Settings**  
**Page 39,40 – Storage Statistics 1,2**  
**Page 41 – Storage Library**  
**Page 42,43 – Storage Views 1,2**  
**Page 44 – User Devices (Keyboards, Mouse)**  
**Page 45 – Displays**  
**Page 46 – Memory**  
**Page 47 – Modems**  
**Page 48,49,50 – Printing 1,2,3**  
**Page 51 – Sensors & Alarm**  
**Page 52 – 7 USB**  
**Page 53 – Disk Group**  
**Page 54 – Device Sharing**  
**Page 55 – LED**  
**Page 56 – WiFi Services**  
**Page 57 – VTL Statistics**  
**Page 58 – Dependency (1) [A - Ba]**  
**Page 59 – Dependency (2) [D - Pi]**  
**Page 60 – Dependency (3) [Po - S]**  
**Page 61 – Dependency (4) [Po - S]**



# Page 2 of 67: Cooling & Power

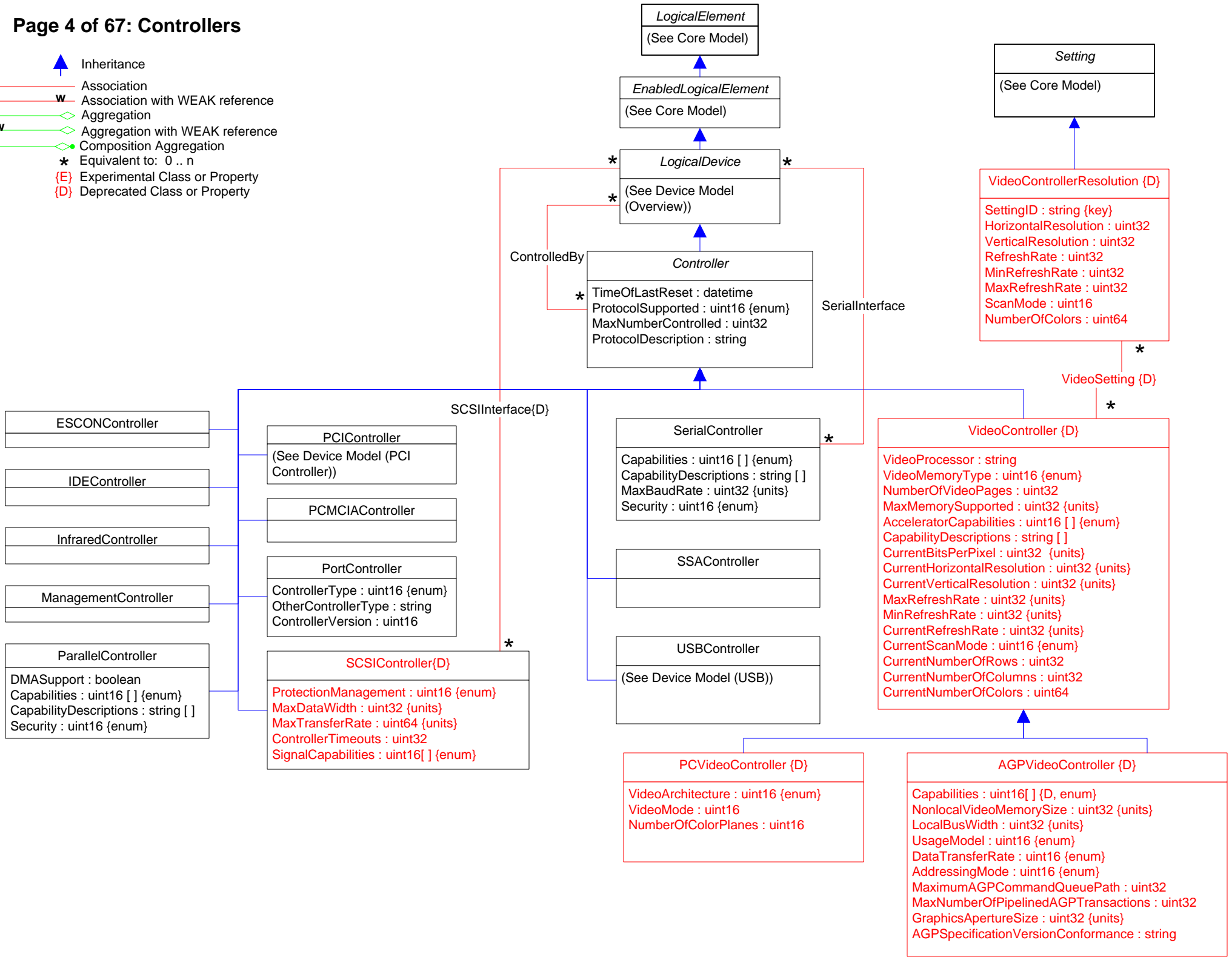
-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Composition Aggregation
-  Equivalent to: 0..n
- (E) Experimental Class or Property
- (D) Deprecated Class or Property





# Page 4 of 67: 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



LogicalElement  
(See Core Model)

EnabledLogicalElement  
(See Core Model)

LogicalDevice \*  
(See Device Model  
(Overview)) \*

Controller \*  
TimeOfLastReset : datetime  
ProtocolSupported : uint16 {enum}  
MaxNumberControlled : uint32  
ProtocolDescription : string

Setting  
(See Core Model)

VideoControllerResolution {D}  
SettingID : string {key}  
HorizontalResolution : uint32  
VerticalResolution : uint32  
RefreshRate : uint32  
MinRefreshRate : uint32  
MaxRefreshRate : uint32  
ScanMode : uint16  
NumberOfColors : uint64

VideoSetting {D}

SCSIInterface {D}

ESCONController

IDEController

InfraredController

ManagementController

ParallelController  
DMASupport : boolean  
Capabilities : uint16 [] {enum}  
CapabilityDescriptions : string []  
Security : uint16 {enum}

PCIController  
(See Device Model (PCI  
Controller))

PCMCIAController

PortController  
ControllerType : uint16 {enum}  
OtherControllerType : string  
ControllerVersion : uint16

SCSIController {D} \*  
ProtectionManagement : uint16 {enum}  
MaxDataWidth : uint32 {units}  
MaxTransferRate : uint64 {units}  
ControllerTimeouts : uint32  
SignalCapabilities : uint16[] {enum}

SerialController \*  
Capabilities : uint16 [] {enum}  
CapabilityDescriptions : string []  
MaxBaudRate : uint32 {units}  
Security : uint16 {enum}

SSAController

USBController  
(See Device Model (USB))

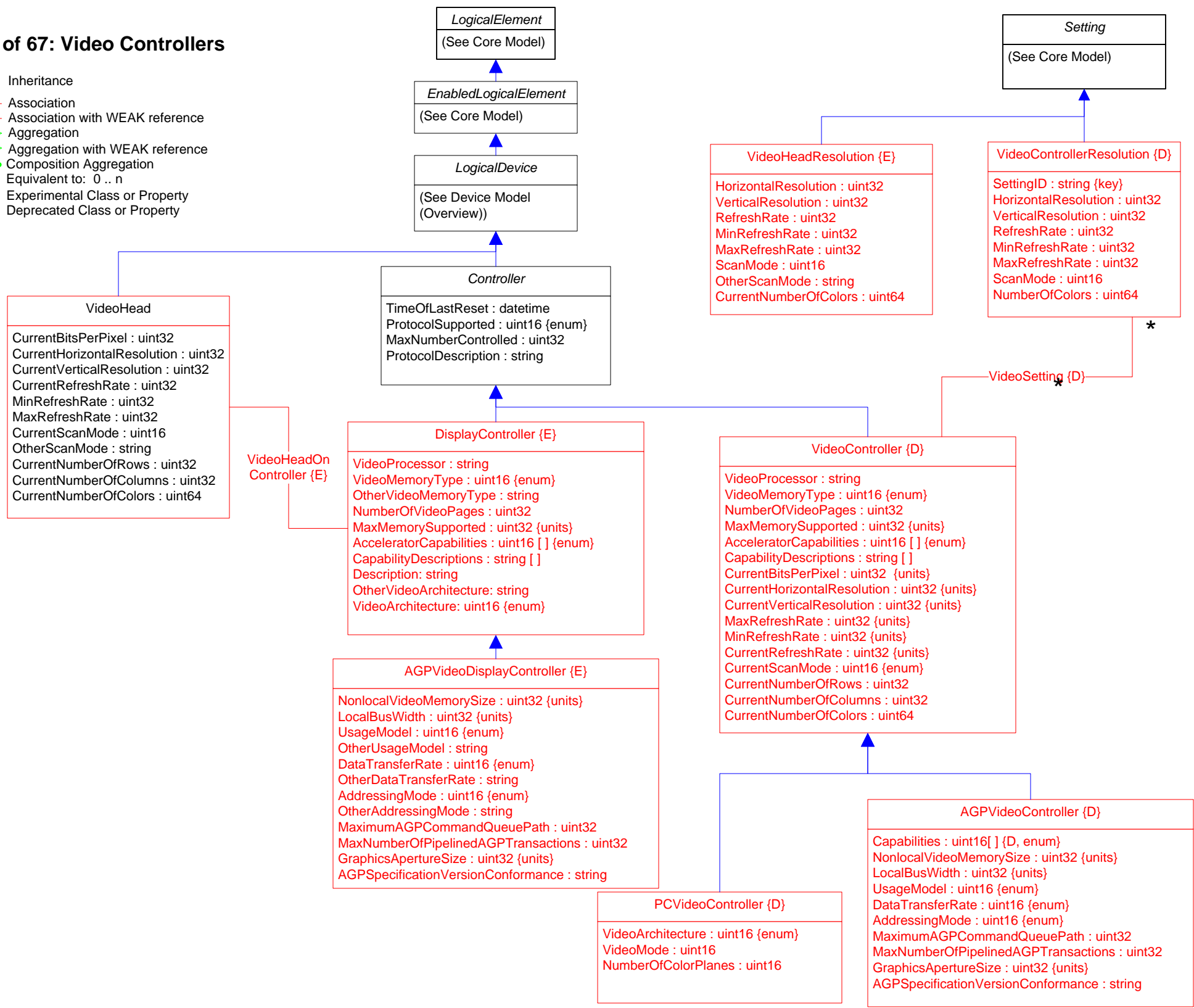
VideoController {D} \*  
VideoProcessor : string  
VideoMemoryType : uint16 {enum}  
NumberOfVideoPages : uint32  
MaxMemorySupported : uint32 {units}  
AcceleratorCapabilities : uint16 [] {enum}  
CapabilityDescriptions : string []  
CurrentBitsPerPixel : uint32 {units}  
CurrentHorizontalResolution : uint32 {units}  
CurrentVerticalResolution : uint32 {units}  
MaxRefreshRate : uint32 {units}  
MinRefreshRate : uint32 {units}  
CurrentRefreshRate : uint32 {units}  
CurrentScanMode : uint16 {enum}  
CurrentNumberOfRows : uint32  
CurrentNumberOfColumns : uint32  
CurrentNumberOfColors : uint64

PCVideoController {D}  
VideoArchitecture : uint16 {enum}  
VideoMode : uint16  
NumberOfColorPlanes : uint16










AGPVideoController {D}  
Capabilities : uint16[] {D, enum}  
NonlocalVideoMemorySize : uint32 {units}  
LocalBusWidth : uint32 {units}  
UsageModel : uint16 {enum}  
DataTransferRate : uint16 {enum}  
AddressingMode : uint16 {enum}  
MaximumAGPCommandQueuePath : uint32  
MaxNumberOfPipelinedAGPTransactions : uint32  
GraphicsApertureSize : uint32 {units}  
AGPSpecificationVersionConformance : string

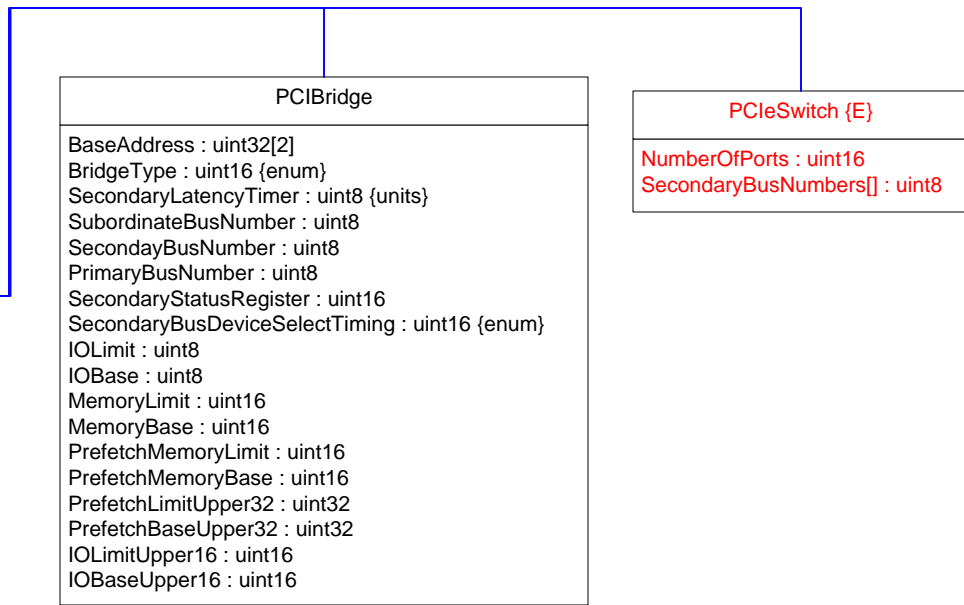
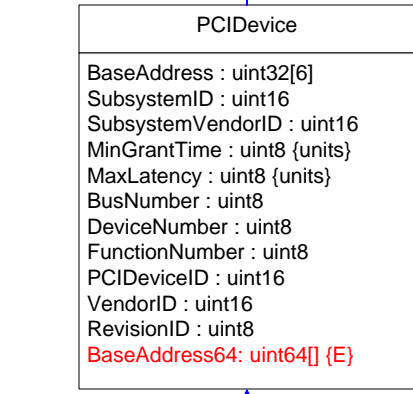
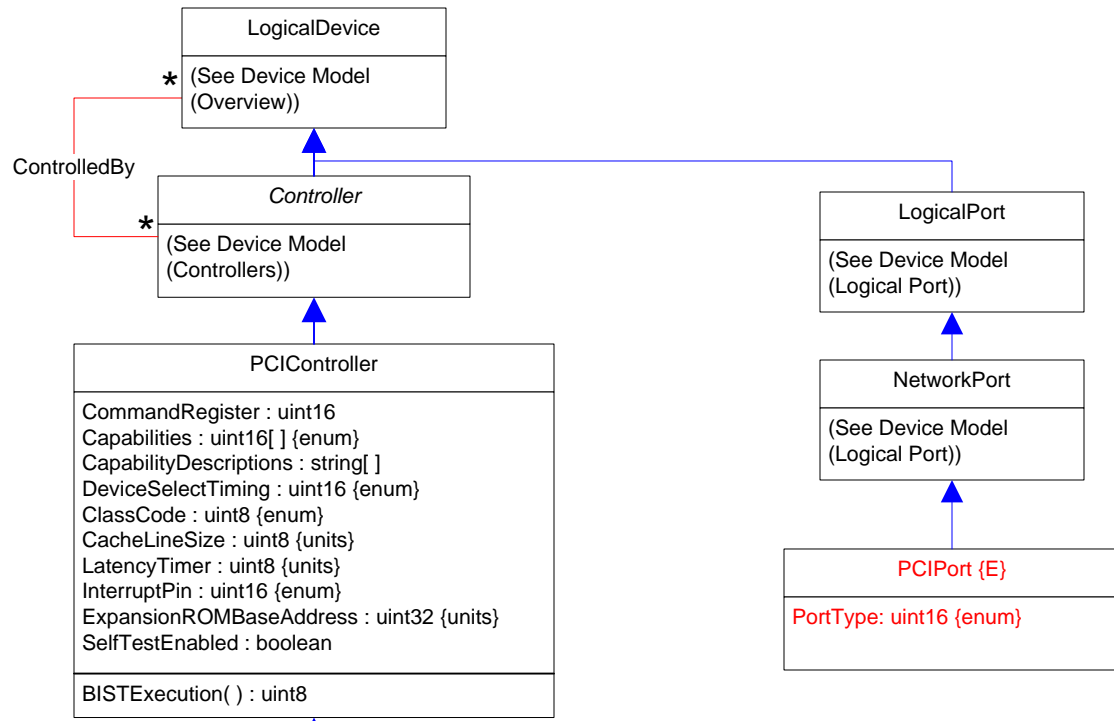
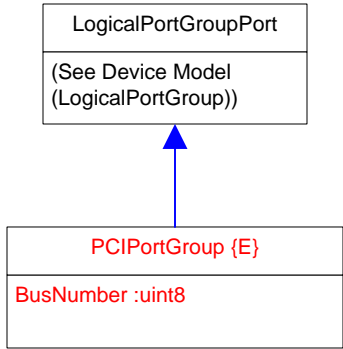
Page 5 of 67: Video Controllers

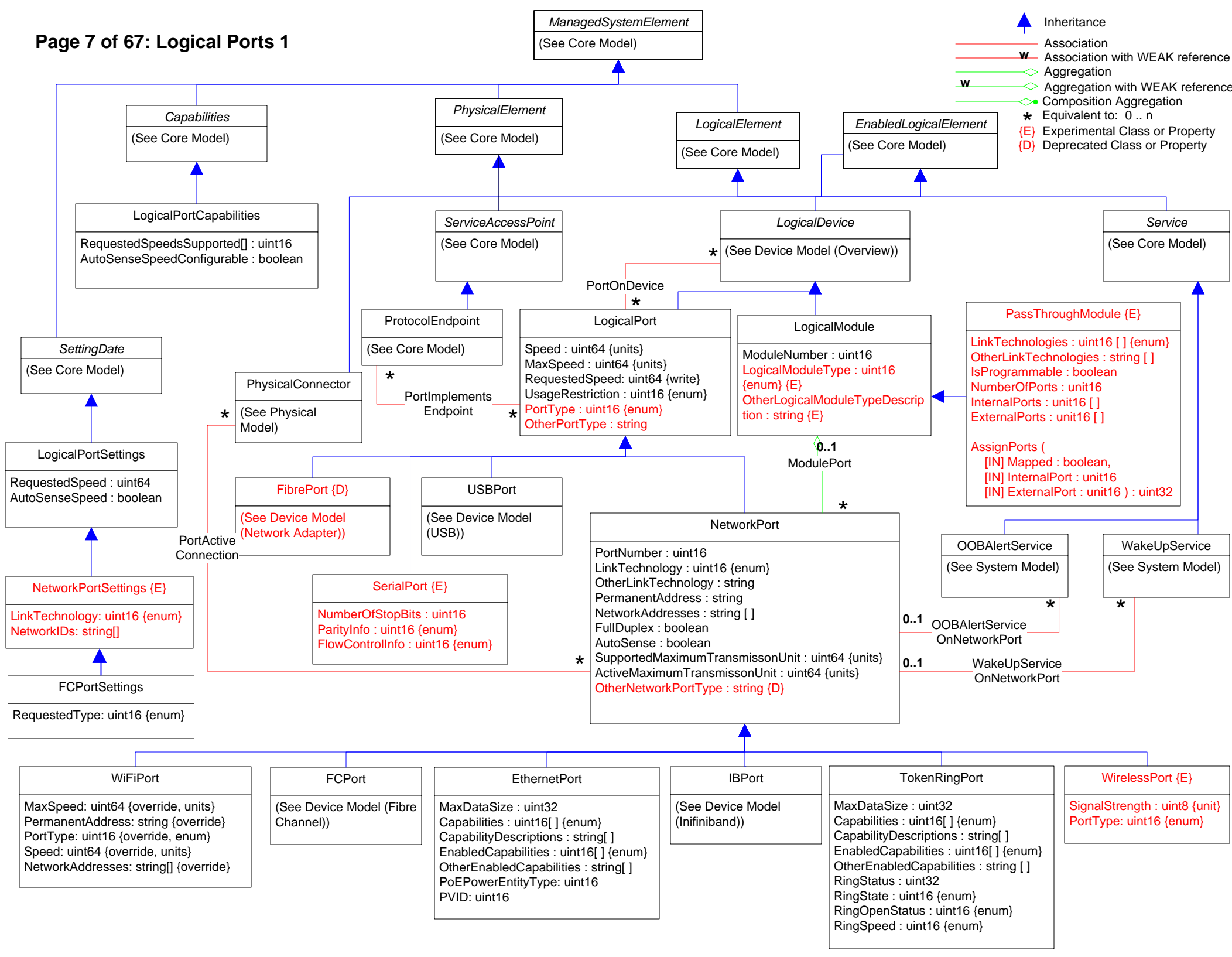
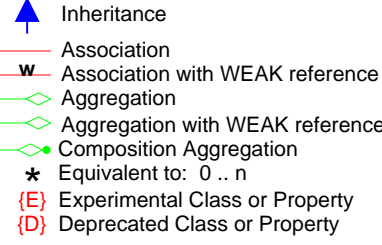
- ▲ Inheritance
- Association
- w Association with WEAK reference
- ◊ Aggregation
- w◊ Aggregation with WEAK reference
- ◊ Composition Aggregation
- ★ Equivalent to: 0..n
- {E} Experimental Class or Property
- {D} Deprecated Class or Property












# Page 6 of 67: PCI Controllers

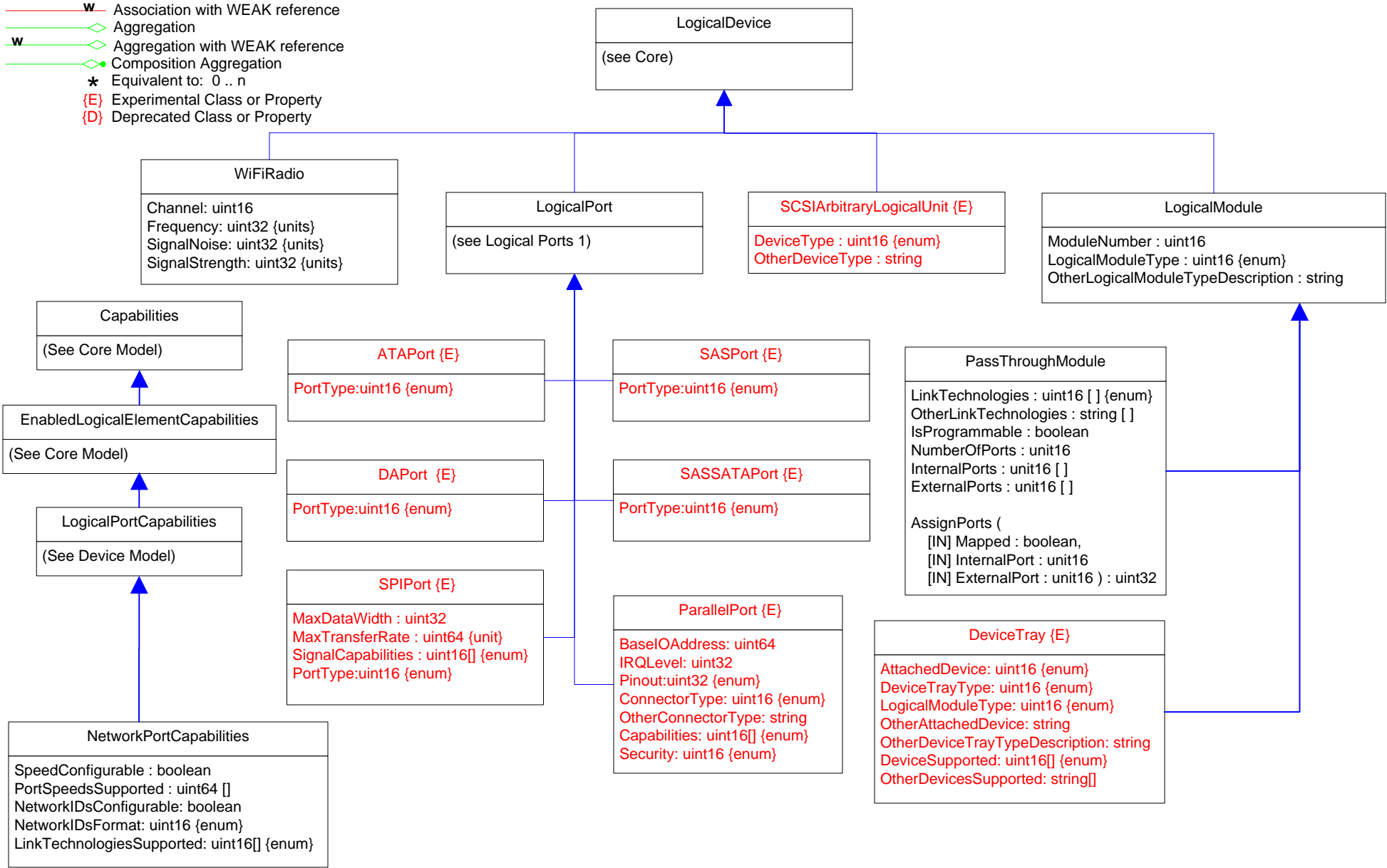
-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0..n
-  Experimental Class or Property
-  Deprecated Class or Property














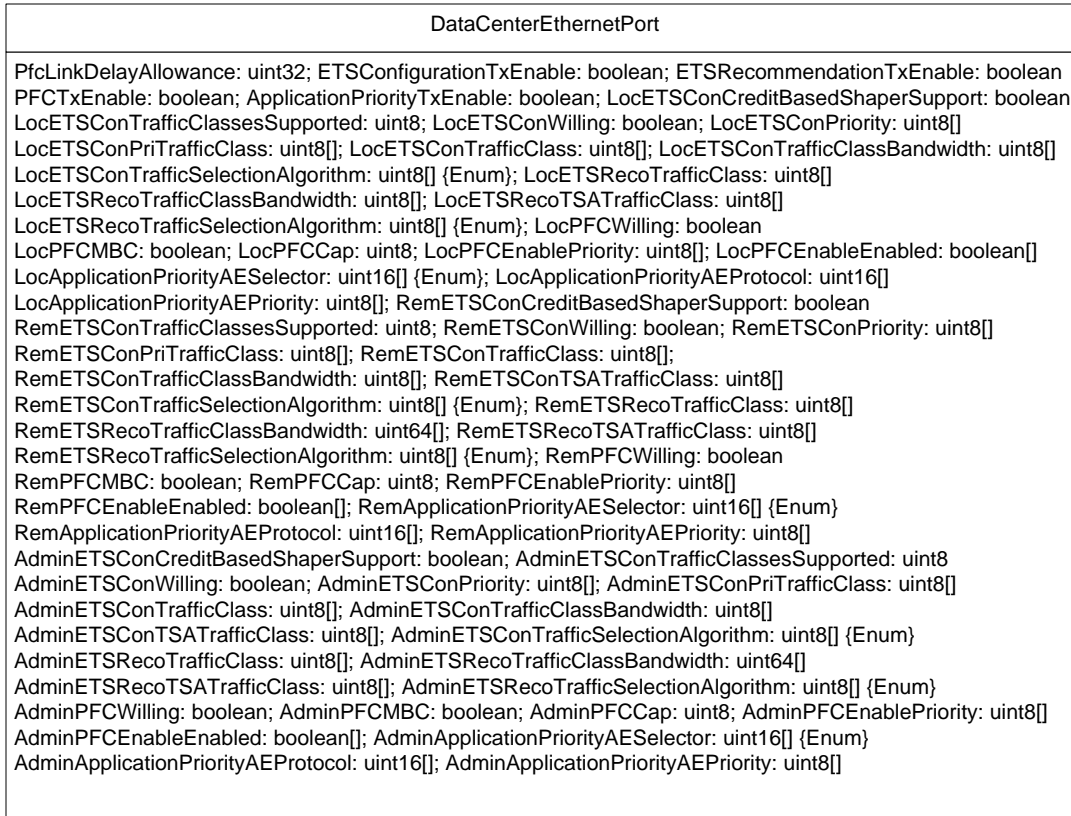
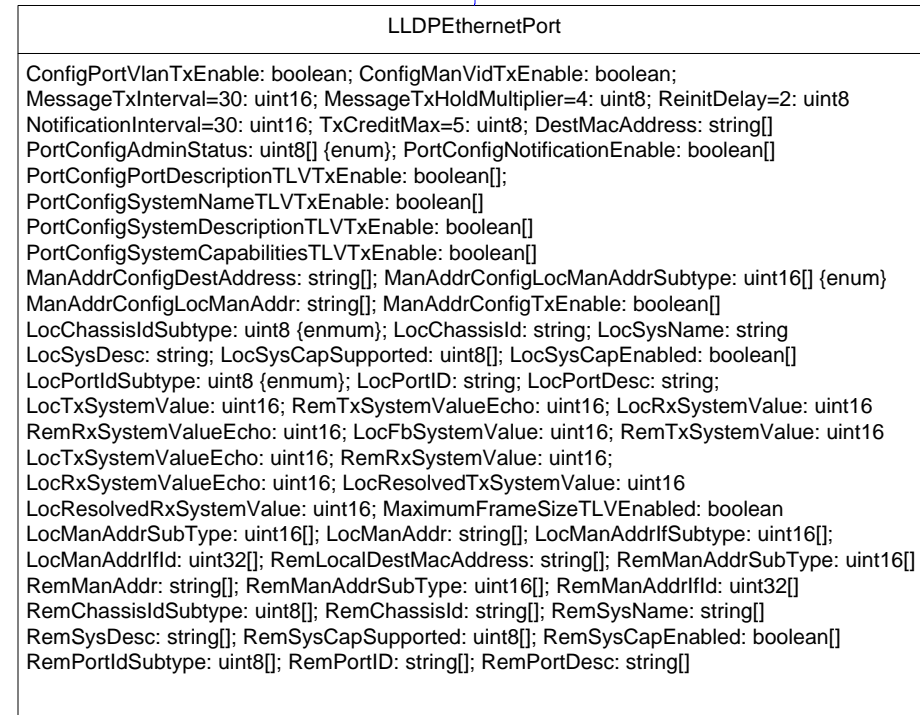
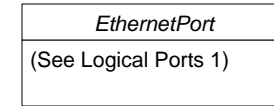
# Page 8 of 67: Logical Ports 2

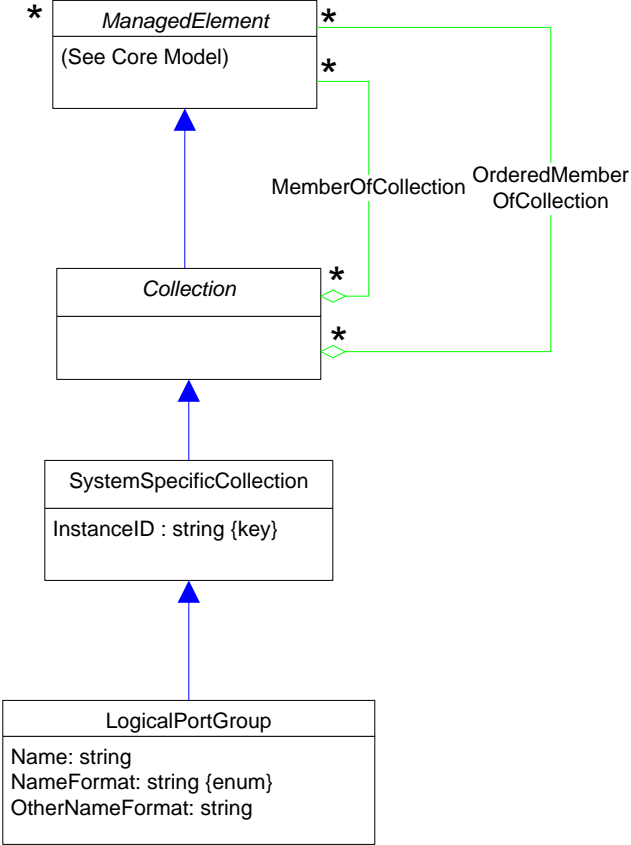
-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0 .. n
-  Experimental Class or Property
-  Deprecated Class or Property

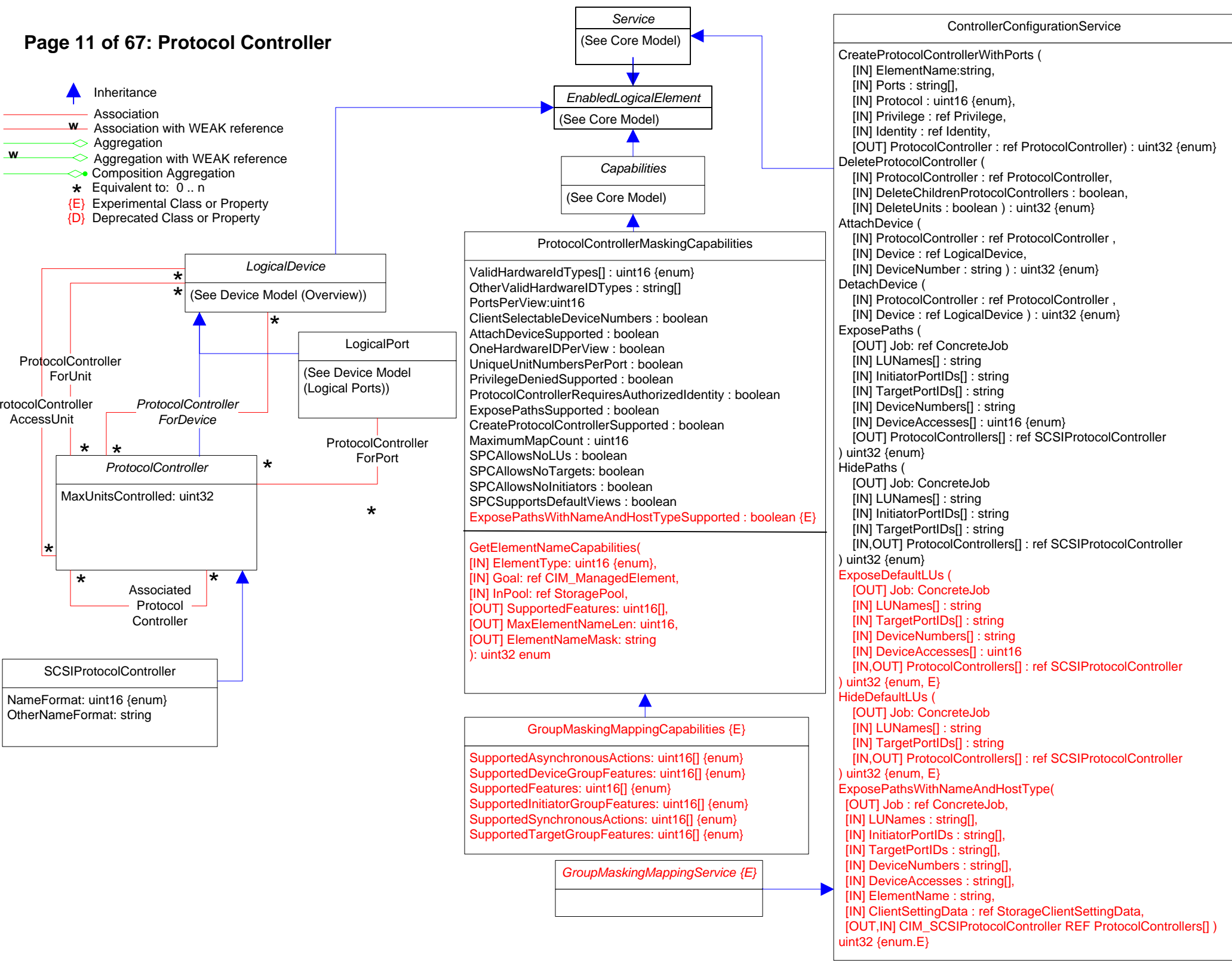
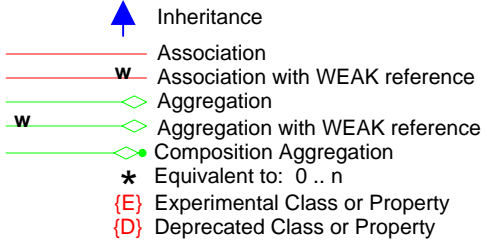


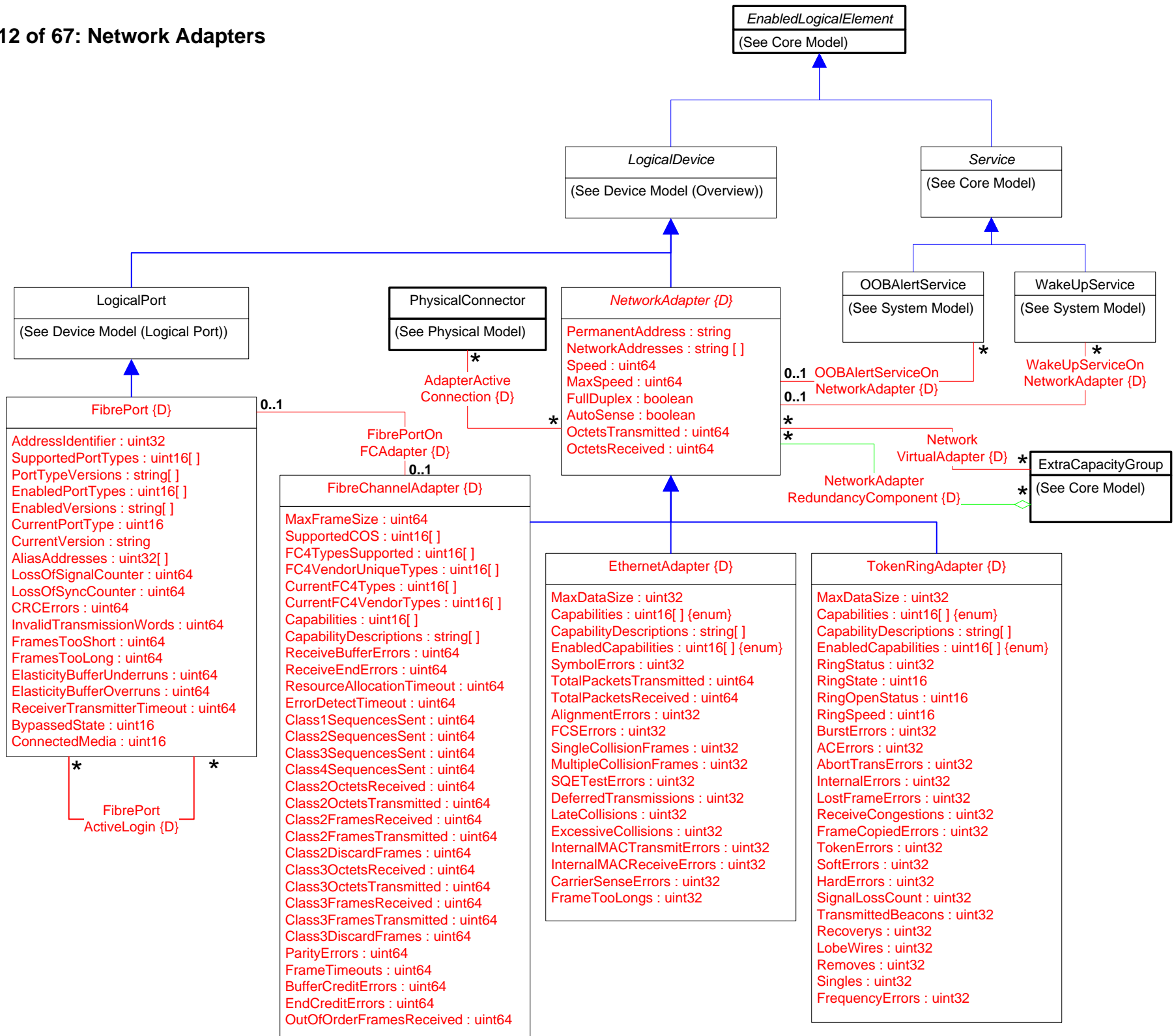


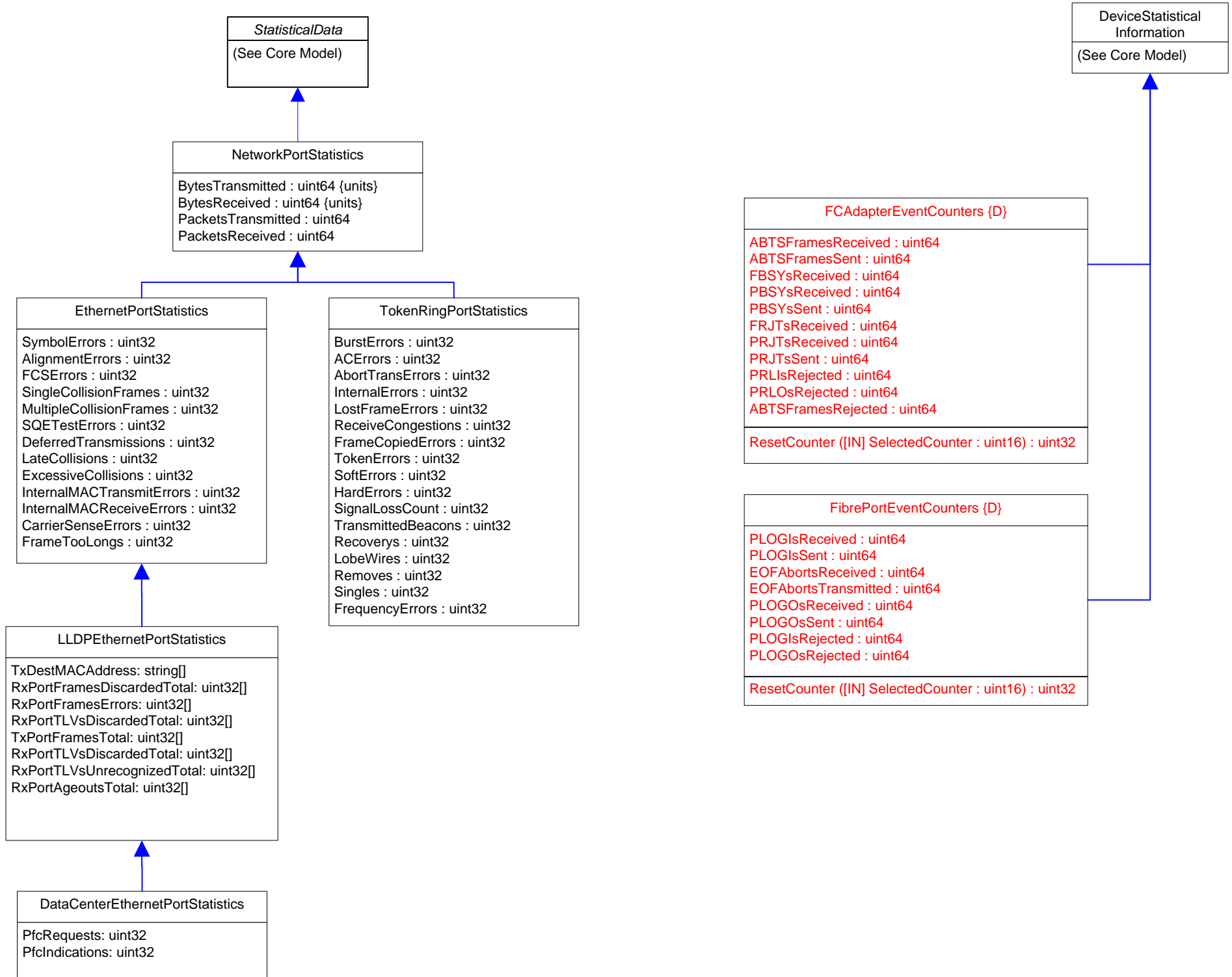
-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0 .. n
-  Experimental Class or Property
-  Deprecated Class or Property












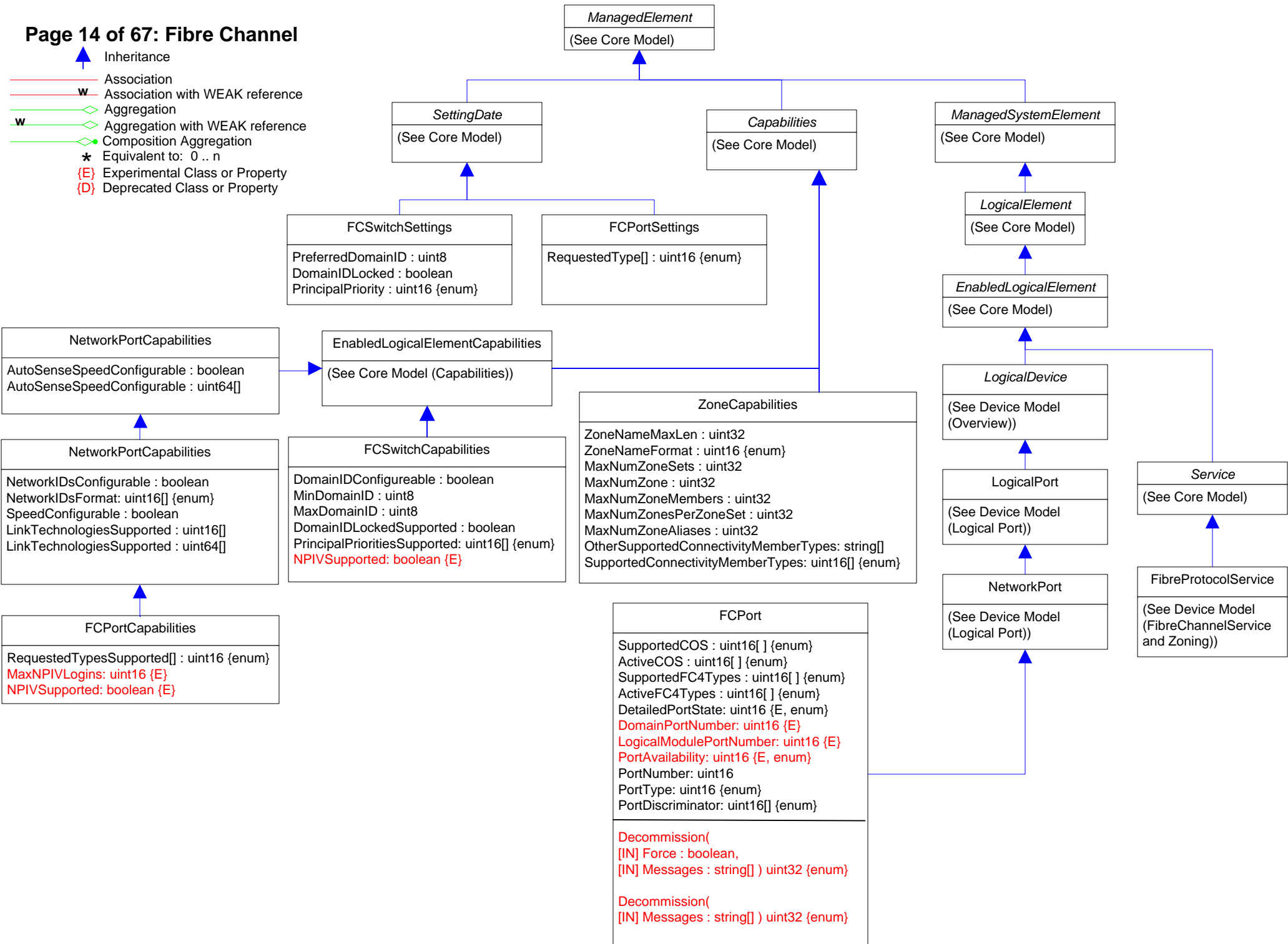


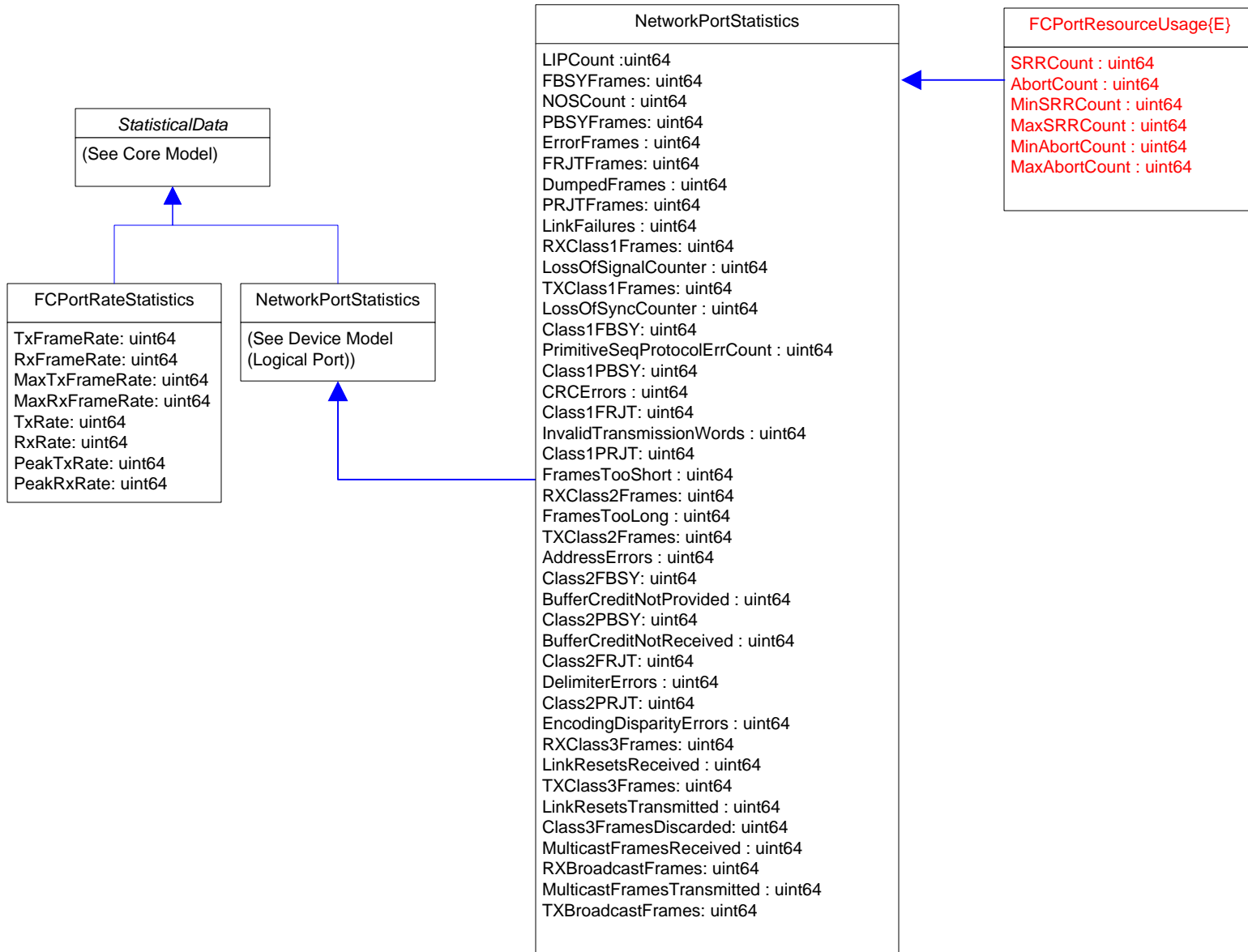















-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0 .. n
-  Experimental Class or Property
-  Deprecated Class or Property





# Page 16 of 67: Fibre Channel Service & Zoning

-  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

ZoneService

SessionState: uint16 {enum}  
 RequestedSessionState : uint16 {enum}  
 DefaultZoningState : uint16 {enum}  
 ConfigurationID: string (E)

---

CreateZoneSet(  
 [IN] ZoneSetName: string {req'd},  
 [IN, OUT] ZoneSet: ref CIM\_ZoneSet): uint32 enum

CreateZone(  
 [IN] ZoneName : string {req'd},  
 [IN] ZoneType : uint16 {enum},  
 [IN] ZoneSubType : uint16 {enum},  
 [IN, OUT] Zone : ref CIM\_Zone) : uint32 {enum}

CreateZoneAlias(  
 [IN] CollectionAlias : string {req'd},  
 [IN, OUT] ZoneAlias : ref CIM\_NamedAddressCollection) : uint32 {enum}

CreateZoneMembershipSettingData(  
 [IN] ConnectivityMemberType: uint16 {enum, req'd},  
 [IN] ConnectivityMemberID: string {req'd},  
 [IN] SystemSpecificCollection: ref CIM\_SystemSpecificCollection {req'd},  
 [IN, OUT] ZoneMembershipSettingData : ref CIM\_ZoneMembershipSettingData) : uint32 {enum}

AddZone(  
 [IN, OUT] ZoneSet : ref CIM\_ZoneSet {req'd},  
 [IN] Zone : ref CIM\_Zone) : uint32 {enum}

AddZoneAlias(  
 [IN] Zone : ref CIM\_Zone {req'd},  
 [IN] ZoneAlias: ref CIM\_NamedAddressCollection) : uint32 {enum}

ActivateZoneSetWithJob(  
 [IN] Activate: boolean,  
 [IN, OUT] ConfigurationID: string,  
 [OUT] Job: ref CIM\_ConcreteJob,  
 [IN] ZoneSet: ref CIM\_ZoneSet): uint32 {E, enum}

SessionControlWithJob (  
 [IN, OUT] ConfigurationID: string,  
 [IN] RequestedSessionState: uint16 {enum},  
 [OUT] Job: ref CIM\_ConcreteJob): uint32 {E, enum}

Service  
 (See Core Model)

FibreProtocolService

ConnectivityCollection  
 (See Network Model)

ConnectivityMembershipSettingData  
 (See Network Model)

ZoneMembershipSettingData

ZoneSet










ElementName : string {override, req'd}  
 Active : boolean {req'd}

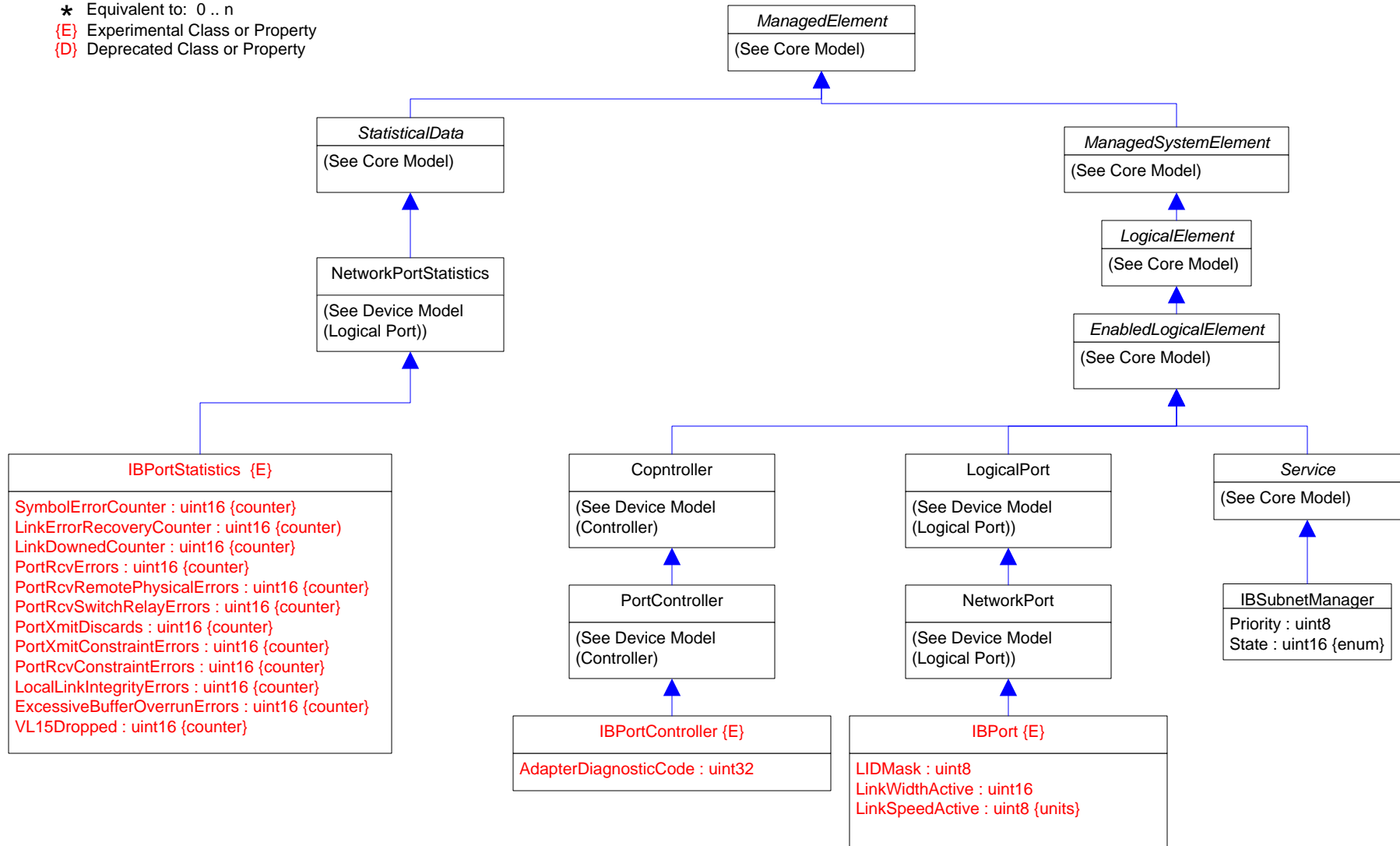
Zone










ElementName : string {override, req'd}  
 Active : boolean {req'd}  
 ZoneType : uint16 {enum, req'd}  
 OtherZoneTypeDescription : string  
 ZoneSubType : uint16 {enum}  
 OtherZoneSubTypeDescription : string

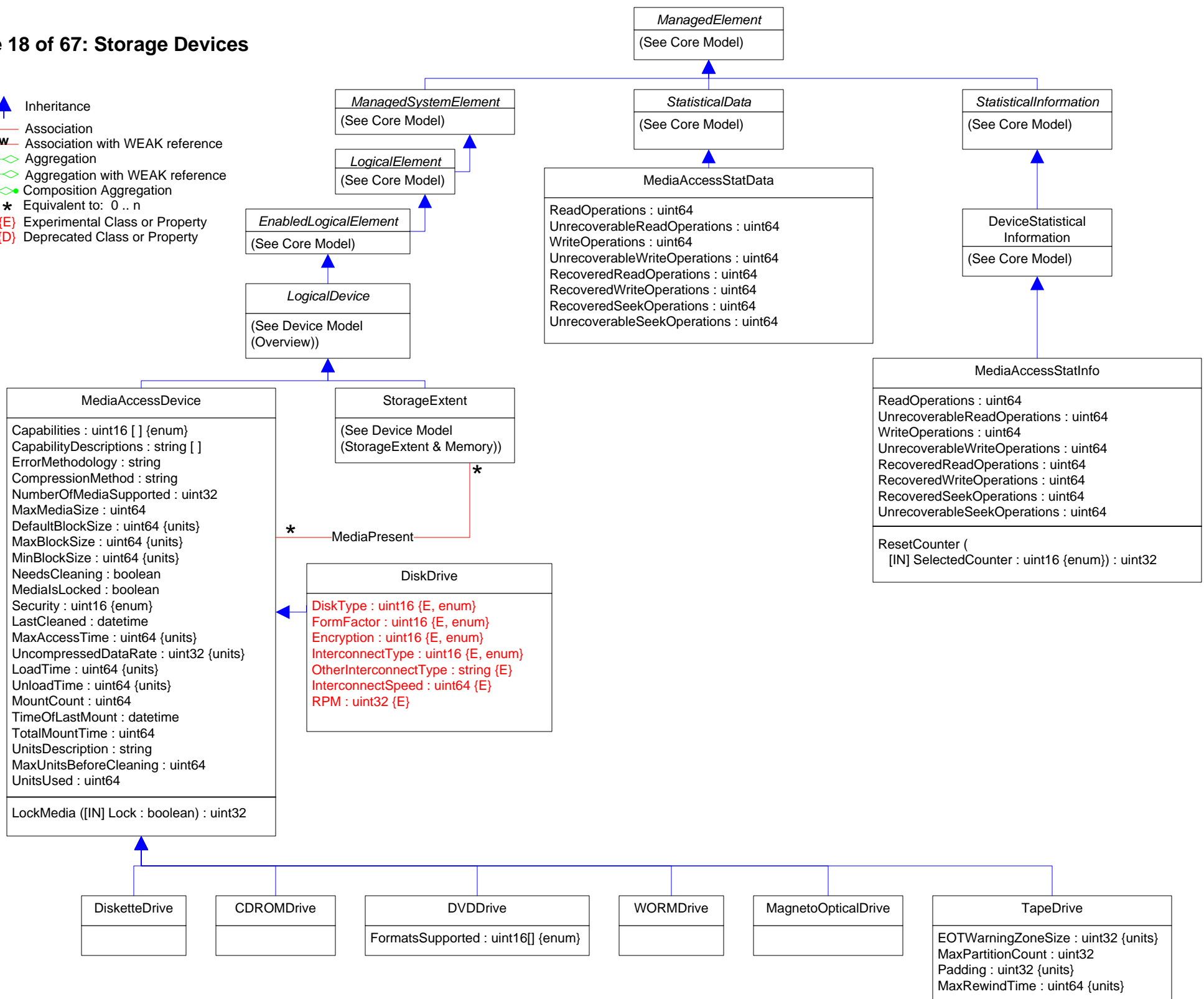





-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0 .. n
-  Experimental Class or Property
-  Deprecated Class or Property



-  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 19 of 67: Storage Multipath

-  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

*SystemSpecificCollection*  
(See Core Model)

*Service*  
(See Core Model)

*Capabilities*  
(See Core Model)

*SCSITargetPortGroup*

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

*SCSIPathConfigurationService*

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

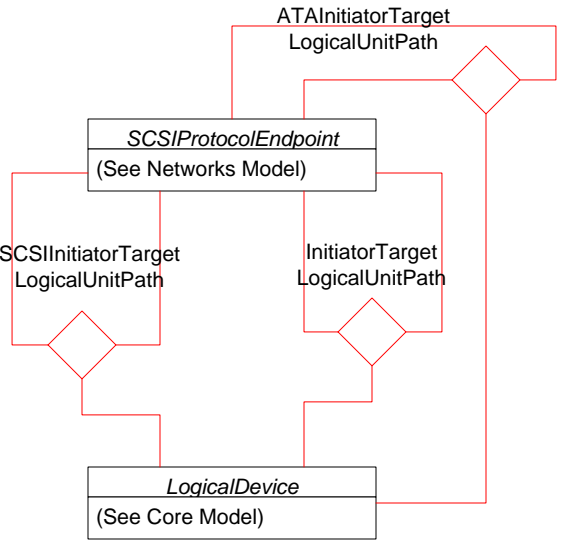
*SCSIMultipathConfigurationCapabilities*










SupportedLoadBalanceTypes : uint16 {enum}  
 OtherSupportedLoadBalanceAlgorithmNames : string []  
 OtherSupportedLoadBalanceVendorNames : string []  
 CanSetTPGAccess : boolean  
 CanOverridePaths : boolean  
 ExposesPathDeviceFiles : boolean  
 DeviceNameFilespace : string  
 OnlySupportsSpecifiedProducts : boolean  
 MaximumWeight : uint32  
 PollingRateMax : uint32  
 CurrentPollingRate: uint32  
 AutoFailbackSupport : uint16 {Enum}  
 AutoFailbackEnabled : boolean  
 DefaultLoadBalanceType : uint16 {enum}

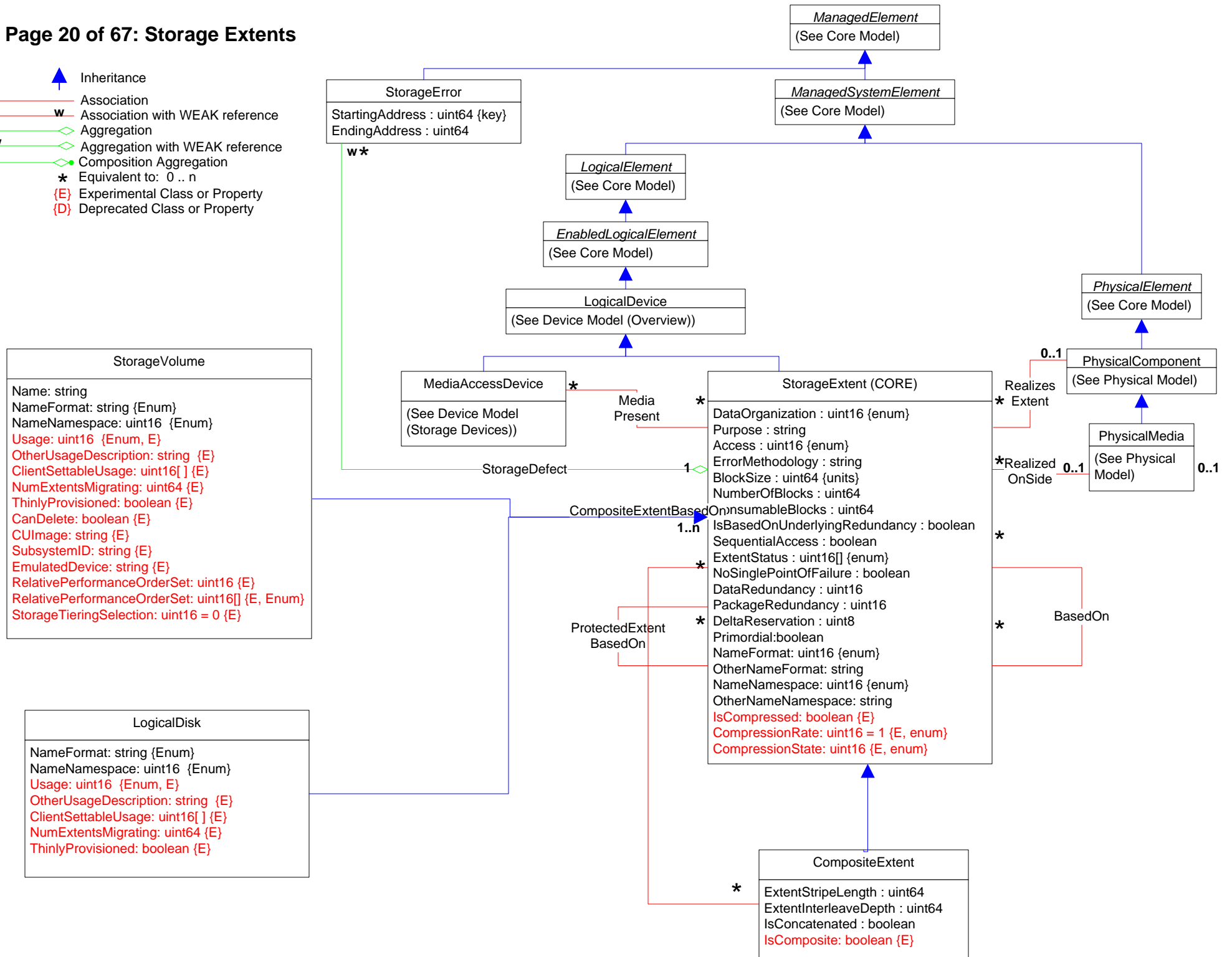
*SettingData*  
(See Core Model)

*SCSIMultipathSettings*

Asymmetric: boolean  
 AutoFailbackEnabled: uint16 {enum}  
 CurrentLoadBalanceType: uint16 {enum}  
 CurrentPollingRate: uint32  
 OtherCurrentLoadBalanceType: string  
 PollingRateMax: uint32



-  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



Capabilities  
(See core model)

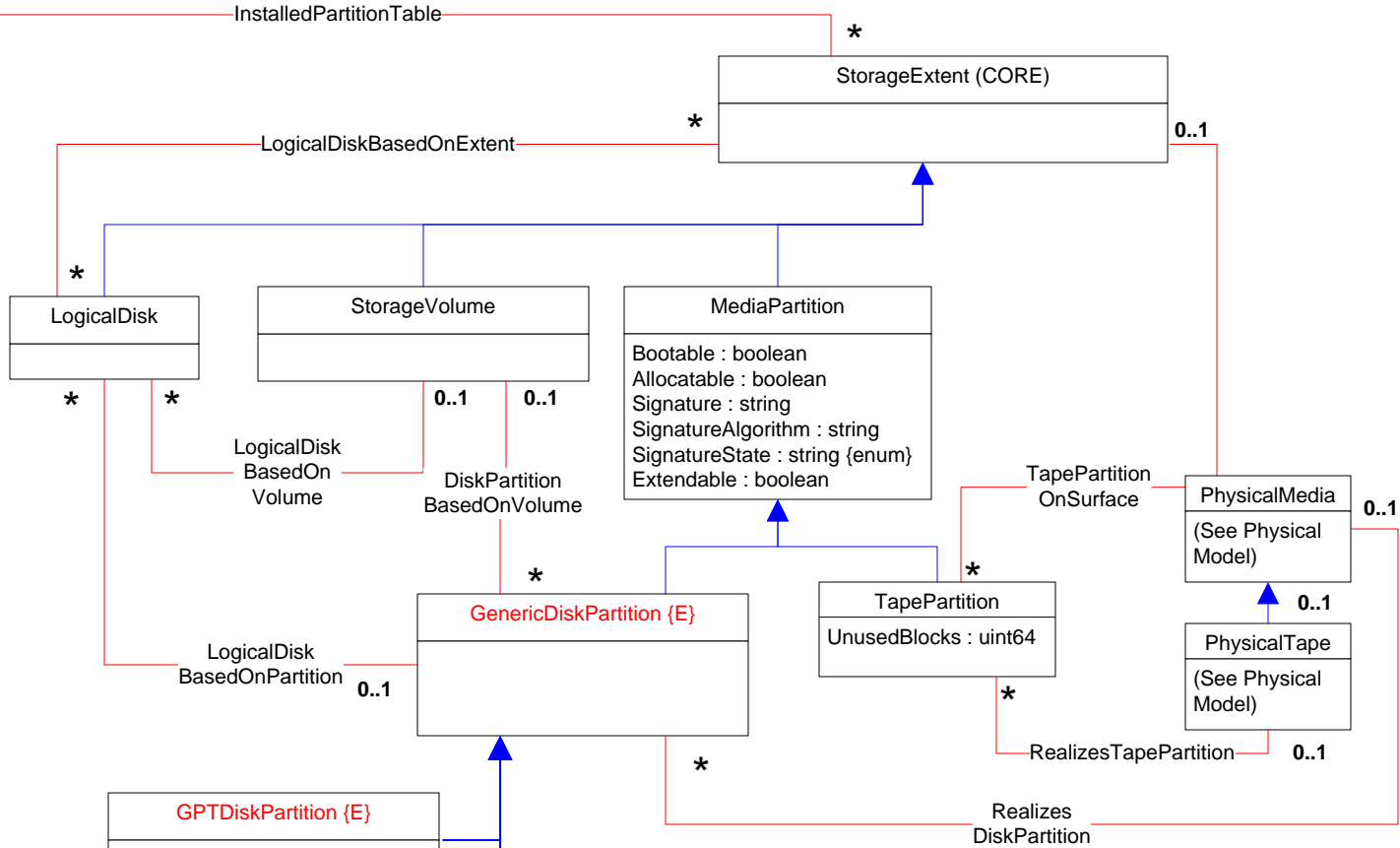
**DiskPartitionConfigurationCapabilities {E}**

PartitionStyle : uint16 {enum}  
 ValidSubPartitionStyles : uint16 [] {enum}  
 OtherValidSubPartitionStyles : string []  
 Version : uint16  
 MaxNumberOfPartitions : uint16  
 SupportedSynchronousActions: uint16[] {enum}  
 MaxCapacity : uint64  
 OverlapAllowed : boolean  
 PartitionTableSize : uint32

**StorageElementCompositionCapabilities {E}**

MaxCompositeElements: uint64  
 MaxCompositeSize: uint64  
 SupportsCompositeNaming: boolean  
 SupportsComposites: boolean  
 SupportsRepresentativeElement: boolean  
 CompositeSourcesSupported: uint16[] {enum}  
 CompositeCharacteristics: uint16[] {enum}  
 CompositeMethodsSupported: uint16[] {enum}  
 SupportedAsynchronousActions: uint16[] {enum}  
 SupportedStorageElements: uint16[] {enum}  
 SupportedSynchronousActions: uint16[] {enum}

0..1



**GPTDiskPartition {E}**

PartitionType: string

**EFIDiskPartition {E}**

**VTOCDiskPartition {E}**

Flags : uint16 {enum}  
 Tag : uint16 {enum}  
 AsciiLabel : string

**DiskPartition**

NameFormat: uint16 {enum}  
 NameNamespace: uint16 {enum}  
 PartitionSubtype: uint16 {enum}  
 PartitionType: uint16 {enum}  
 PrimaryPartition: boolean

**DiskPartitionConfigurationCapabilities {E}**

PartitionStyle : uint16 {enum}  
 ValidSubPartitionStyles : uint16 [] {enum}  
 OtherValidSubPartitionStyles : string []  
 Version : uint16  
 MaxNumberOfPartitions : uint16  
 SupportedSynchronousActions: uint16[] {enum}  
 MaxCapacity : uint64  
 OverlapAllowed : boolean  
 PartitionTableSize : uint32

- 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

**Service**  
(See Core model)

**StorageElementCompositionService**










**DiskPartitionConfigurationService {E}**

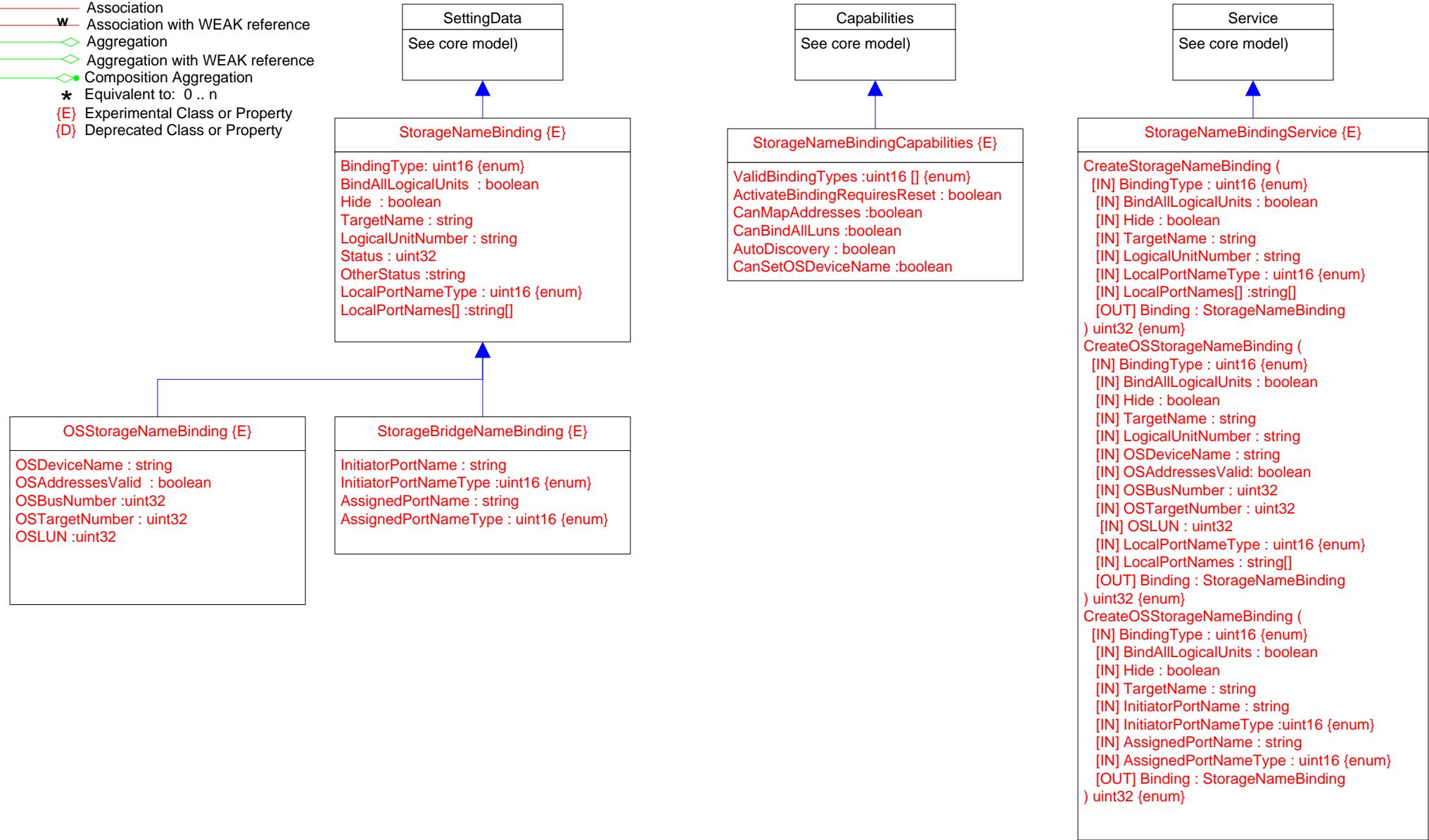
PartitioningSchemes : uint16 {enum}

SetPartitionStyle (  
 [IN] Extent : ref StorageExtent  
 [IN] PartitionStyle : ref DiskPartitionConfigurationCapabilities  
 ) : uint32 {enum}

CreateOrModifyPartition (  
 [IN] Extent : ref StorageExtent  
 [IN] StartingAddress : uint64  
 [IN] EndingAddress : uint64  
 [IN] DeviceFileName : string  
 [IN] Partition: ref GenericDiskPartition  
 ) : uint32 {enum}

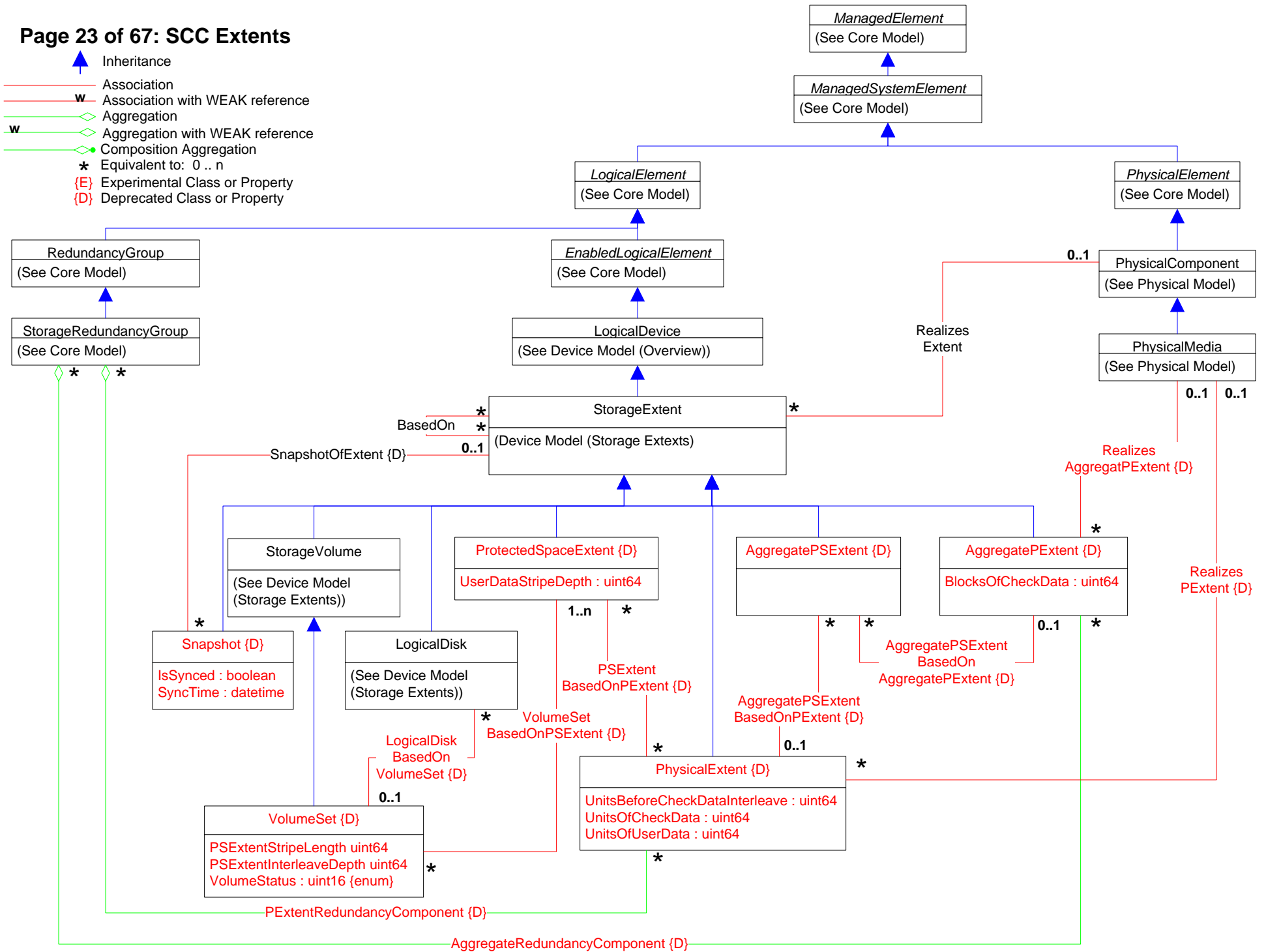
# Page 22 of 67: StorageNameBinding

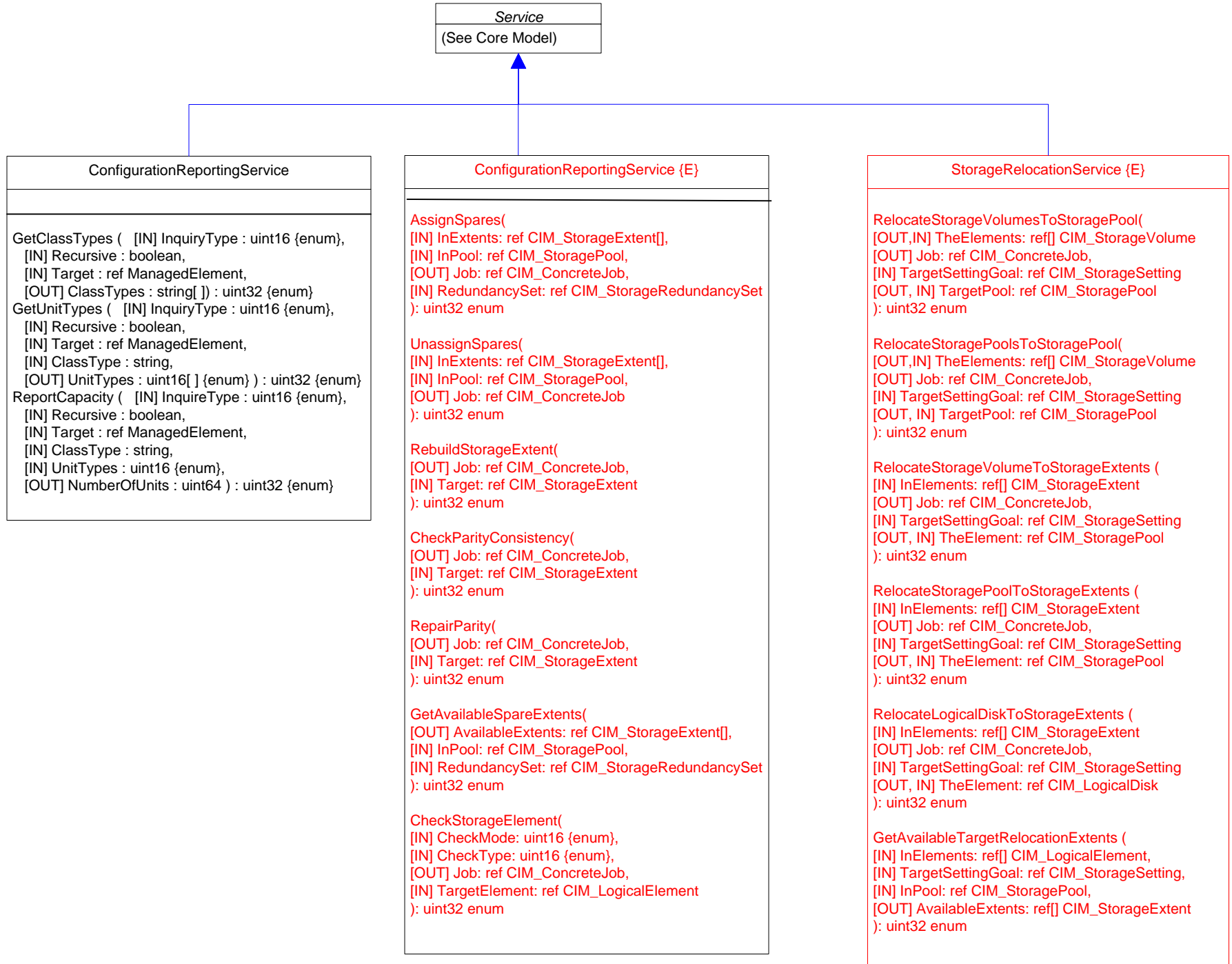
-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0..n
-  Experimental Class or Property
-  Deprecated Class or Property



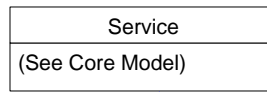
# Page 23 of 67: SCC Extents

- ▲ 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







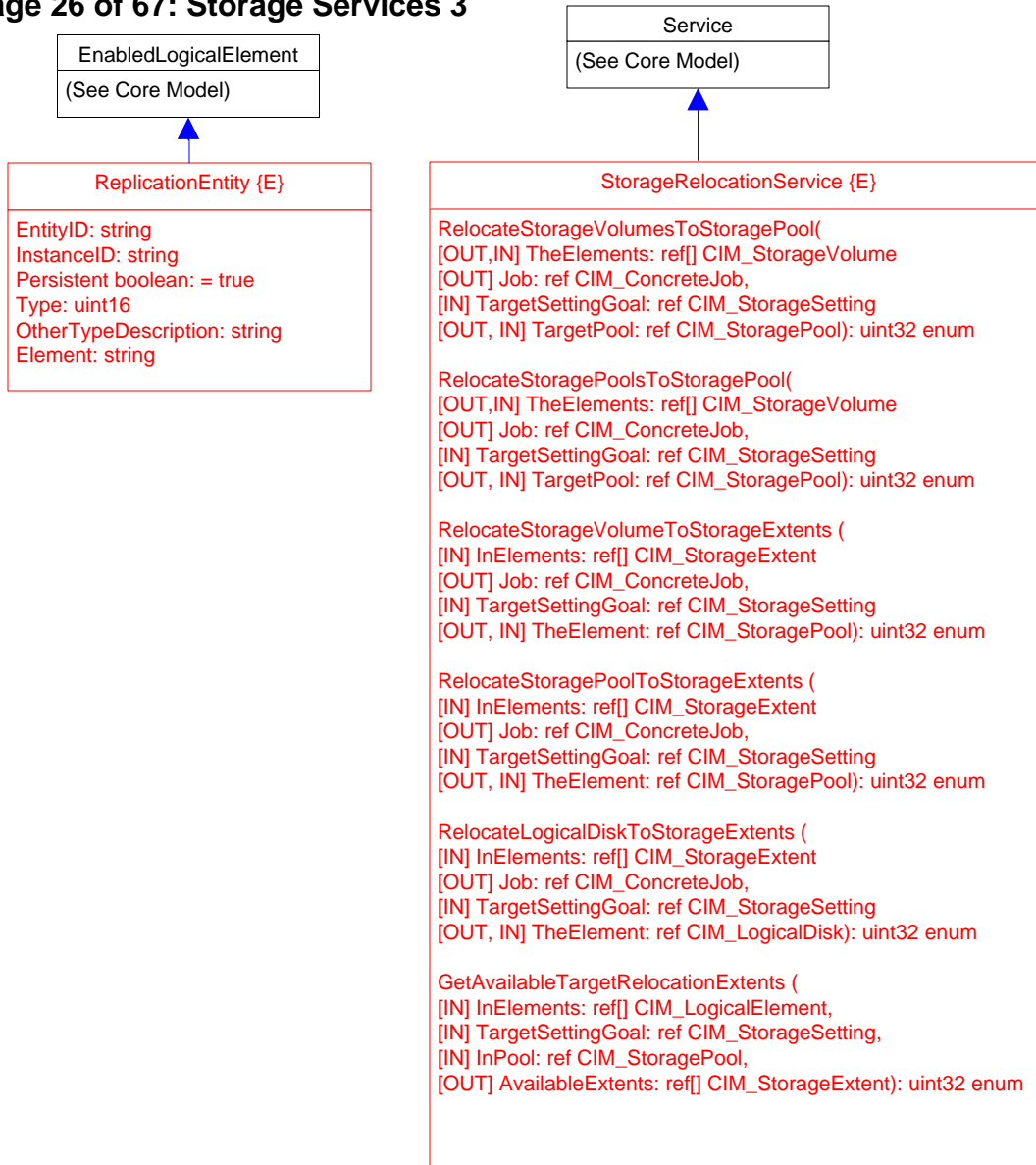


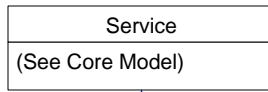
StorageConfigurationService {E}

```

CreateOrModifyStoragePool(
  [IN] string ElementName, [OUT] CIM_ConcreteJob ref Job, [IN] CIM_ManagedElement ref Goal, [IN] uint64 Size, [IN] string InPools[], [IN] string InExtents[], [OUT, IN] Pool: ref CIM_StoragePool ); uint32 (enum)
CreateOrModifyElementFromStoragePool(
  [IN] string ElementName, [IN] uint16 ElementType, [IN] Job: ref CIM_ConcreteJob, [IN] Goal: ref CIM_ManagedElement, [IN] uint64 Size, [IN] InPool: ref CIM_StoragePool, [OUT, IN] TheElement: ref CIM_LogicalElement ); uint32 (enum)
DeleteStoragePool(
  [IN] Job: ref CIM_ConcreteJob, [IN] Pool: ref CIM_StoragePool ); uint32 (enum)
ReturnToStoragePool(
  [IN] Job: ref CIM_ConcreteJob, [IN] TheElement: ref CIM_LogicalElement ); uint32 (enum)
CreateReplica(
  [IN] string ElementName, [IN] Job: ref CIM_ConcreteJob, [IN] SourceElement: ref CIM_LogicalElement, [IN] TargetElement: ref CIM_LogicalElement, [IN] TargetSettingGoal" ref CIM_ManagedElement, [IN] TargetPool: ref CIM_StoragePool, [IN] uint16 CopyType (enum)); uint32 (enum)
ModifySynchronization(
  [IN] uint16 Operation, enum, [IN] Job: ref CIM_ConcreteJob, [IN] Synchronization: ref CIM_StorageSynchronized ); uint32 (enum)
AttachReplica(
  [IN] Job: ref CIM_ConcreteJob, [IN] SourceElement: ref CIM_ManagedElement, [IN] TargetElement: ref CIM_ManagedElement, [IN] uint16 CopyType {enum}); uint32 (enum)
AttachOrModifyReplica(
  [IN] Job: ref CIM_ConcreteJob, [IN] SourceElement: ref CIM_ManagedElement, [IN] TargetElement: ref CIM_ManagedElement, [IN] uint16 CopyType, {enum} [IN] string Goal, [IN] ReplicationPipe: ref CIM_NetworkPipe ); uint32 (enum)
CreateOrModifyReplicationPipe(
  [IN] string PipeElementName, [IN] SourceSystem: ref CIM_ComputerSystem, [IN] TargetSystem: ref CIM_ComputerSystem, [IN] SourceEndpoint: ref CIM_ProtocolEndpoint[], [[IN] TargetEndpoint: ref CIM_ProtocolEndpoint[], [IN] string Goal, [OUT, IN] ReplicationPipe: ref CIM_NetworkPipe ); uint32 (enum)
CreateReplicationBuffer(
  [IN] Job: ref CIM_ConcreteJob, [IN] Host: ref CIM_ManagedElement, [IN] TargetElement: ref CIM_StorageExtent, [IN] TargetPool: ref CIM_StoragePool, [IN] ReplicaBuffer: ref CIM_Memory ); uint32 (enum)
CreateOrModifyElementFromElements(
  [IN] string ElementName, [IN] uint16 ElementType, {enum}, [IN] Job: ref CIM_ConcreteJob, [IN] Goal: ref CIM_ManagedElement, [IN] uint64 Size, [IN] InElements: ref CIM_StorageExtent[], [OUT, IN] TheElement: ref CIM_LogicalElement ); uint32 (enum)
ScsiScan(
  [OUT, IN] CIM_ConcreteJob ref Job, [IN] uint16 ConnectionType, {enum}, [IN] string OtherConnectionType, [IN] Initiators: ref CIM_SCSIProtocolEndpoint[], [IN] string Targets[], [IN] string LogicalUnits[] ); uint32 (enum)
RequestUsageChange(
  [IN] uint16 Operation, {enum}, [IN] uint16 UsageValue, [IN] string OtherUsageDescription, [IN] Job: ref CIM_ConcreteJob, [IN] TheElement: ref CIM_LogicalElement ); uint32 (enum)
GetElementsBasedOnUsage(
  [IN] uint16 ElementType, {enum}, [IN] uint16 Usage, [IN] uint16 Criteria, {enum}, [IN] ThePool: ref CIM_StoragePool, [IN] TheElements: ref CIM_ManagedSystemElement[]; uint32 (enum)
AssignStorageResourceAffinity(
  [IN] uint16 ResourceType, [IN] Job: ref CIM_ConcreteJob, [IN] StorageProcessor: ref CIM_ComputerSystem, [IN] StorageResources: ref CIM_LogicalElement[]; uint32 (enum)
CreateElementsFromStoragePools(
  [IN] string ElementNames[], [IN] uint16 ElementType, {enum}, [IN] uint64 ElementCount, [OUT] Job: ref CIM_ConcreteJob, [IN] Goal: ref CIM_SettingData, [IN] uint64 Size, [IN] InPools: ref CIM_StoragePool[], [IN] Collections: ref CIM_Collection, [IN] TheElements: ref CIM_LogicalElement[]; uint32 (enum)
ReturnElementsToStoragePool(
  [IN] uint16 Options, {enum}, [IN] Job: ref CIM_ConcreteJob, [IN] TheElements: ref CIM_LogicalElement[]; uint32 (enum)

```





ReplicationService {E}

CreateGroup([IN] GroupName: string,[IN] Members: ref[] CIM\_LogicalElement,[IN] Persistent: boolean,[IN] DeleteOnEmptyElement: boolean,[IN] DeleteOnUnassociated: boolean,[OUT] ServiceAccessPoint: ref[] CIM\_ReplicationGroup,[IN] ReplicationSettingData: string, [IN] ReservedAs uint16): uint32 enum

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

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

RemoveMembers([IN] Members: ref[] CIM\_LogicalElement,[IN] DeleteOnEmptyElement: boolean,[IN] ReplicationGroup: ref CIM\_ReplicationGroup,[IN] ReplicationSettingData: string): uint32 enum

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

CreateGroupReplica([IN] RelationshipName: string,[IN] SyncType: uint16 {enum},[IN] Mode: uint16 {enum},[IN] SourceGroup: ref CIM\_ReplicationGroup,[IN] SourceElement: ref CIM\_LogicalElement,[IN] SourceAccessPoint: ref CIM\_ServiceAccessPoint,[IN] TargetGroup: ref CIM\_ReplicationGroup,[IN] TargetElementCount: uint64,[IN] TargetAccessPoint: ref CIM\_ServiceAccessPoint,[IN] Consistency: uint16 {enum},[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,[IN] ConnectivityCollection: ref CIM\_ConnectivityCollection, [IN] Collections: ref[] CIM\_Collection): uint32 enum

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

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

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

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

GetAvailableTargetElements([IN] SourceElement: ref CIM\_LogicalElement,[IN] SyncType: uint16 {enum},[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,[IN] Candidates: ref[] CIM\_LogicalElement, [IN] MaxElementCount: uint16): uint32 enum

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

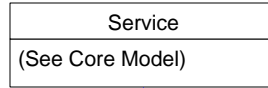
GetReplicationRelationships([IN] Type: uint16 (enum),[IN] SyncType: uint16 (enum),[IN] Mode: uint16 (enum),[IN] Locality: uint16 (enum),[IN] CopyState: uint16 (enum),[OUT] Job: ref CIM\_ConcreteJob,[OUT] Synchronizations: ref[] CIM\_Synchronized, [IN] ReplicationSettingData: string): uint32 enum

GetServiceAccessPoints([IN] System: ref CIM\_ComputerSystem,[OUT] Job: ref CIM\_ConcreteJob,[OUT] ComputerSystem: 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: ref CIM\_ServiceAccessPoint,[IN] InstanceNamespace: string,[OUT] SharedSecretPath: ref CIM\_SharedSecret): uint32 enum



ReplicationService {E} (continued)

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

CreateGroupReplicaFromElements([IN] RelationshipName: string,[IN] SyncType: uint16 {enum},[IN] Mode: uint16 {enum}, [IN,OUT] SourceGroup: ref CIM\_ReplicationGroup [IN] SourceElements: ref[] CIM\_LogicalElement,[IN] SourceGroupName: string,[IN] SourceAccessPoint: ref CIM\_ServiceAccessPoint,[IN,OUT] TargetGroup: ref CIM\_ReplicationGroup, [IN,OUT] TargetGroupName: string,[IN] TargetElements ref[] CIM\_LogicalElement, [IN] TargetElements: string[], [IN] TargetAccessPoint: ref CIM\_ServiceAccessPoint,[IN] Consistency: uint16 {enum},[IN] ReplicationSettingData: string,[OUT] Job: ref CIM\_ConcreteJob,[OUT] Synchronization: ref CIM\_Synchronized[IN] TargetSettingGoal: ref CIM\_SettingData,[IN] TargetPool: ref CIM\_ResourcePool,[IN] TargetPools: ref[] CIM\_ResourcePool,[IN] WaitForCopyState: uint16,[IN] Collections: ref[] CIM\_Collection ): uint32 enum

GetReplicationRelationshipInstances([IN] Type: uint16 {enum},[IN] SyncType: uint16 {enum},[IN] Mode: uint16 {enum},[IN] Locality: uint16 {enum},[IN] CopyState: uint16,[OUT] Job: ref CIM\_ConcreteJob,[OUT] Synchronization: ref CIM\_Synchronized[IN] TargetSettingGoal: ref CIM\_SettingData,[IN] TargetPool: ref CIM\_ResourcePool,[IN] Synchronizations: string[], [IN] ReplicationSettingData: string): uint32 enum

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

AddToRemoteReplicationCollection([IN] LocalAccessPoints: ref[] CIM\_ServiceAccessPoint,[IN] RemoteAccessPoints: ref CIM\_ServiceAccessPoint, [IN] RemoteComputerSystem: ref CIM\_ComputerSystem,[OUT] Job: ref CIM\_ConcreteJob,[IN] ConnectivityCollection: ref CIM\_ConnectivityCollection): uint32 enum

CreateRemoteReplicationCollection([IN] ElementName: string,[IN] LocalAccessPoints: ref CIM\_ServiceAccessPoint,[IN] RemoteAccessPoints: ref CIM\_ServiceAccessPoint,[IN] RemoteComputerSystem: ref CIM\_ComputerSystem,[IN] Active: boolean,[IN] DeleteOnUnassociated: boolean,[OUT] Job: ref CIM\_ConcreteJob,[IN] ConnectivityCollection: ref CIM\_ConnectivityCollection,[IN] ReplicationSettingData: string): uint32 enum

RemoveFromRemoteReplicationCollection([IN] LocalAccessPoints: ref CIM\_ServiceAccessPoint,[IN] RemoteAccessPoints: ref CIM\_ServiceAccessPoint,[IN] RemoteComputerSystem: ref CIM\_ComputerSystem, [OUT] Job: ref CIM\_ConcreteJob,[IN] ConnectivityCollection: ref CIM\_ConnectivityCollection): uint32 enum

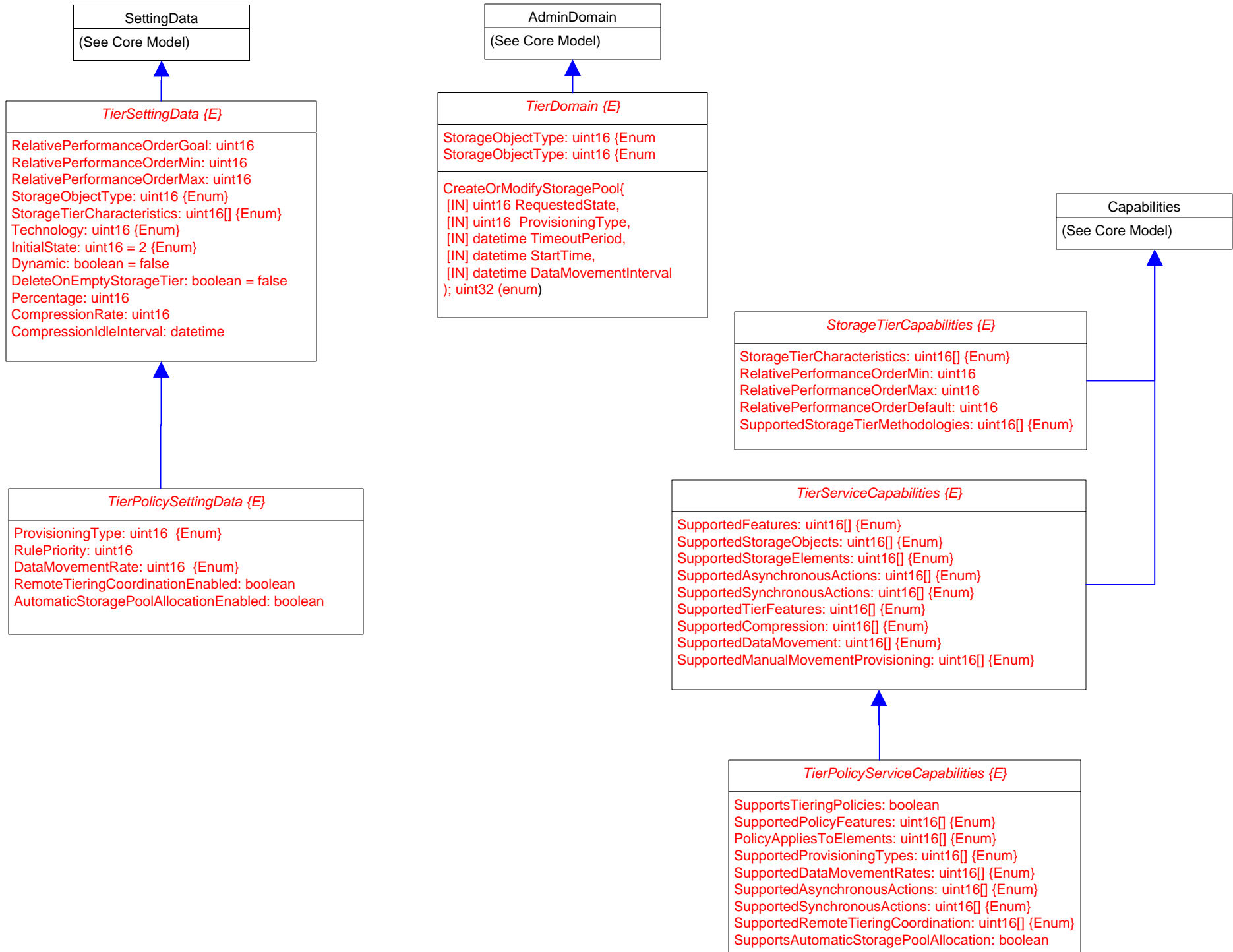
CreateGroupReplicaFromElementSynchronizations([IN] RelationshipName: string, [IN] ElementSynchronizations ref[] CIM\_Synchronized,[IN,OUT] SourceGroupName:string[] [IN,OUT] SourceGroup: ref CIM\_ReplicationGroup, [IN] SourceAccessPoint: ref CIM\_ServiceAccessPoint, [IN,OUT] TargetGroupName:string[] , [IN,OUT] string[] SourceGroupName, [IN,OUT] TargetGroup ref CIM\_ReplicationGroup, [IN] TargetAccessPoint: ref CIM\_ServiceAccessPoint, [IN] Consistency: uint16 , [IN] ReplicationSettingData: string , [OUT] Job: ref CIM\_ConcreteJob, [OUT] GroupSynchronization ref CIM\_Synchronized, [IN] WaitForCopyState: uint16 ): uint32 enum

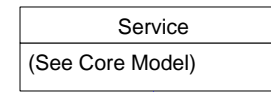
GetSynchronizationAspects([IN] SyncType: uint16, [IN] Mode: uint16, [IN] Locality: uint16, [IN] SyncState: uint16, [OUT] Job: ref CIM\_ConcreteJob, [IN] CachedData: boolean, [IN] ReplicationSettingData: string, [OUT] SynchronizationAspects: ref[] CIM\_SynchronizationAspect,): uint32 enum

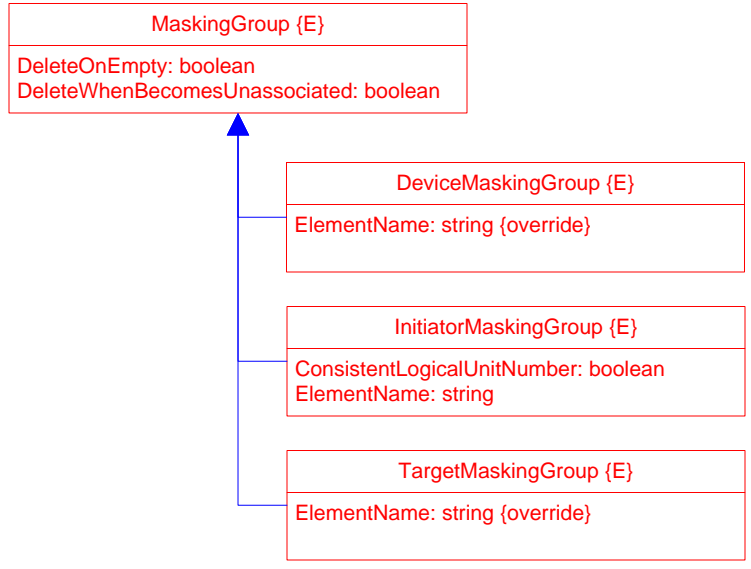
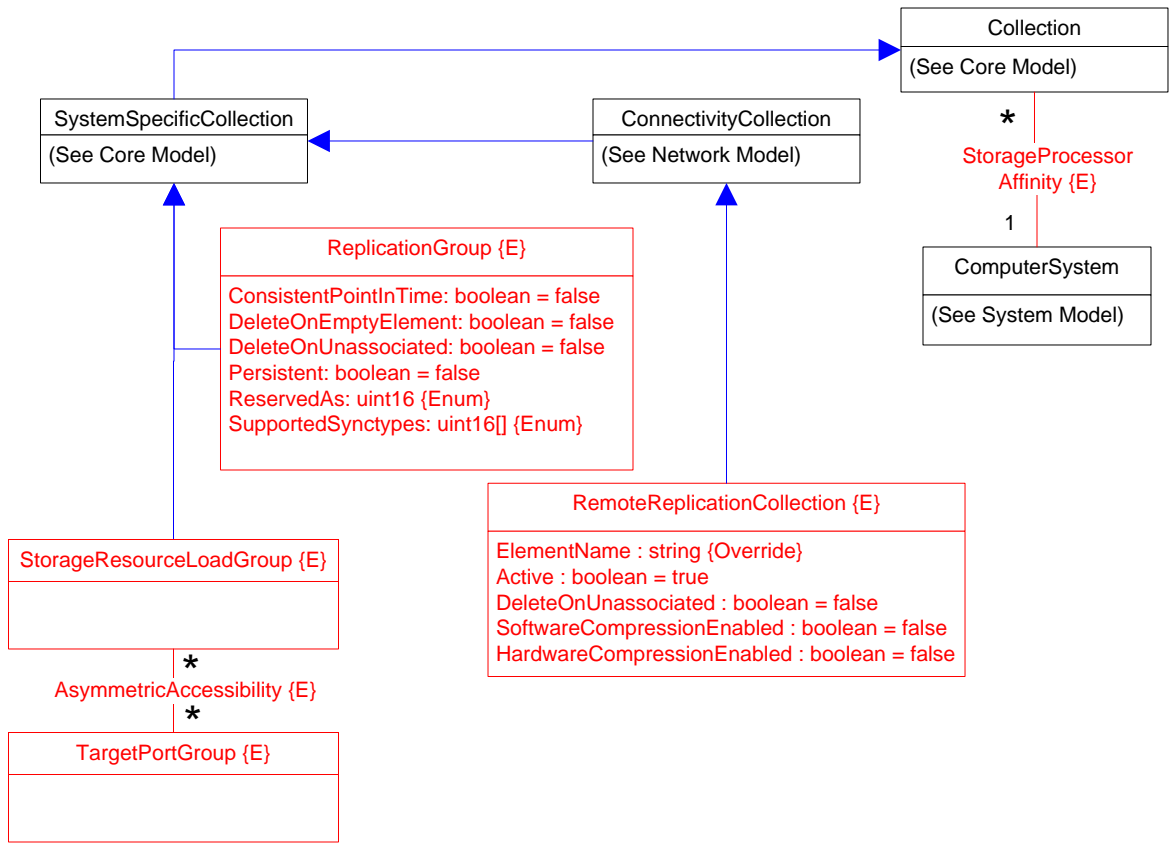
GetSynchronizationAspectInstances([IN] SyncType: uint16, [IN] Mode: uint16, [IN] Locality: uint16, [IN] SyncState: uint16, [OUT] Job: ref CIM\_ConcreteJob, [IN] CachedData: boolean, [IN] ReplicationSettingData: string, [OUT] SynchronizationAspects: string,): uint32 enum

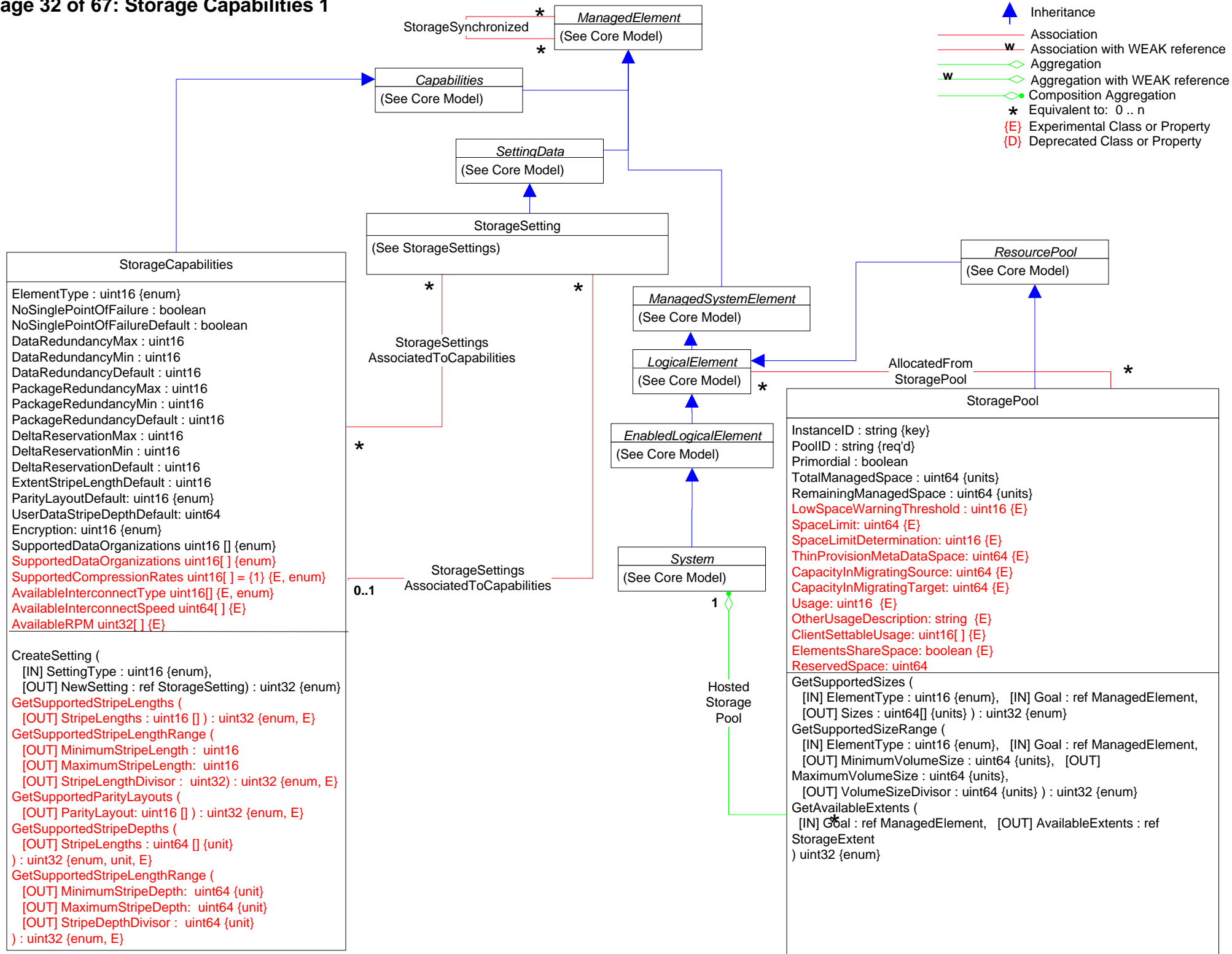
CreateGroupReplicaFromElementSynchronizations( [IN] Synchronized ref CIM\_Synchronized, [IN] SourceElements ref[] CIM\_LogicalElement, [IN] TargetElements ref[] CIM\_LogicalElement, [IN] SourceAccessPoint ref CIM\_ServiceAccessPoint, [IN] TargetAccessPoint ref CIM\_ServiceAccessPoint, [IN] TargetGroupName: uint16, [IN] ReplicationSettingData: string, [OUT] Job: ref CIM\_ConcreteJob, [OUT] Synchronizations ref[] CIM\_Synchronized, [IN] WaitForCopyState: uint16 ): uint32 enum

ConfirmTargetData( [IN] Synchronized ref CIM\_Synchronized, [IN] SourceAccessPoint ref CIM\_ServiceAccessPoint, [IN] TargetAccessPoint ref CIM\_ServiceAccessPoint, [IN] TargetGroupName: uint16, [IN] ReplicationSettingData: string, [OUT] Job: ref CIM\_ConcreteJob, [IN] ConnectivityCollection ref CIM\_ConnectivityCollection, [IN] WaitTime: datetime): uint32 enum

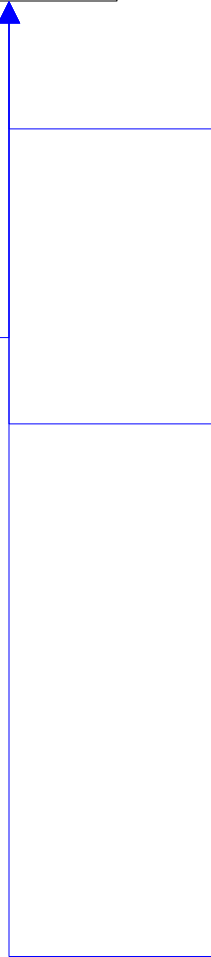
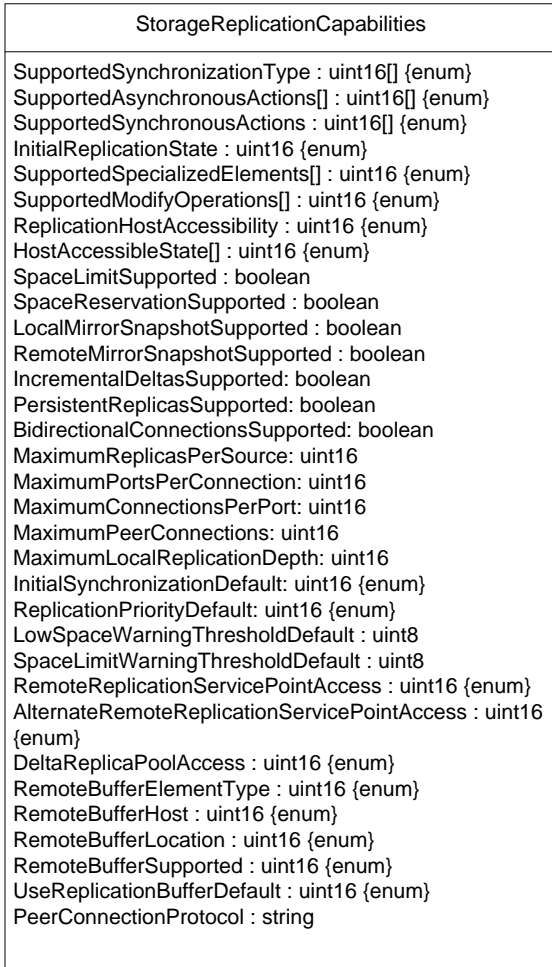
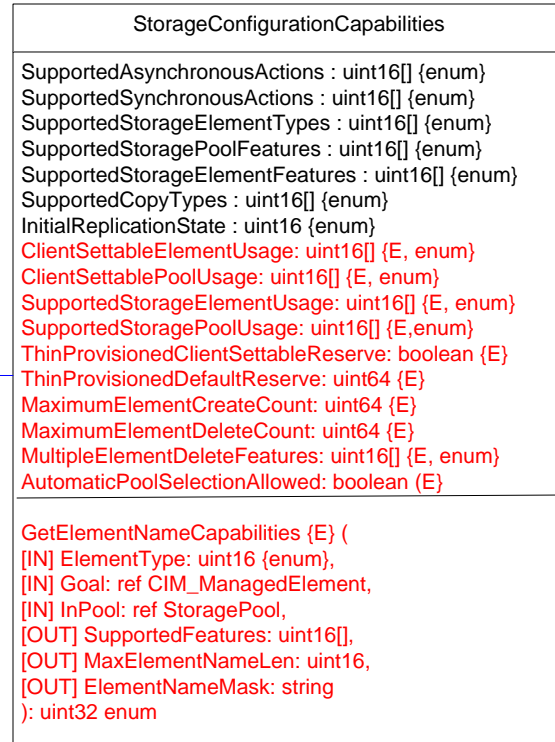
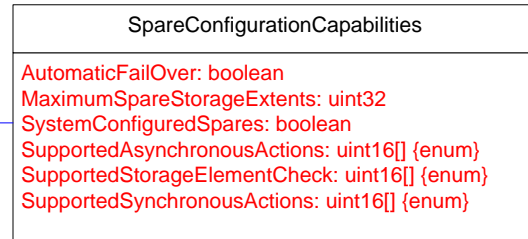
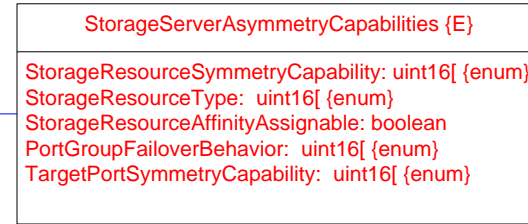
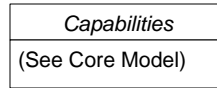


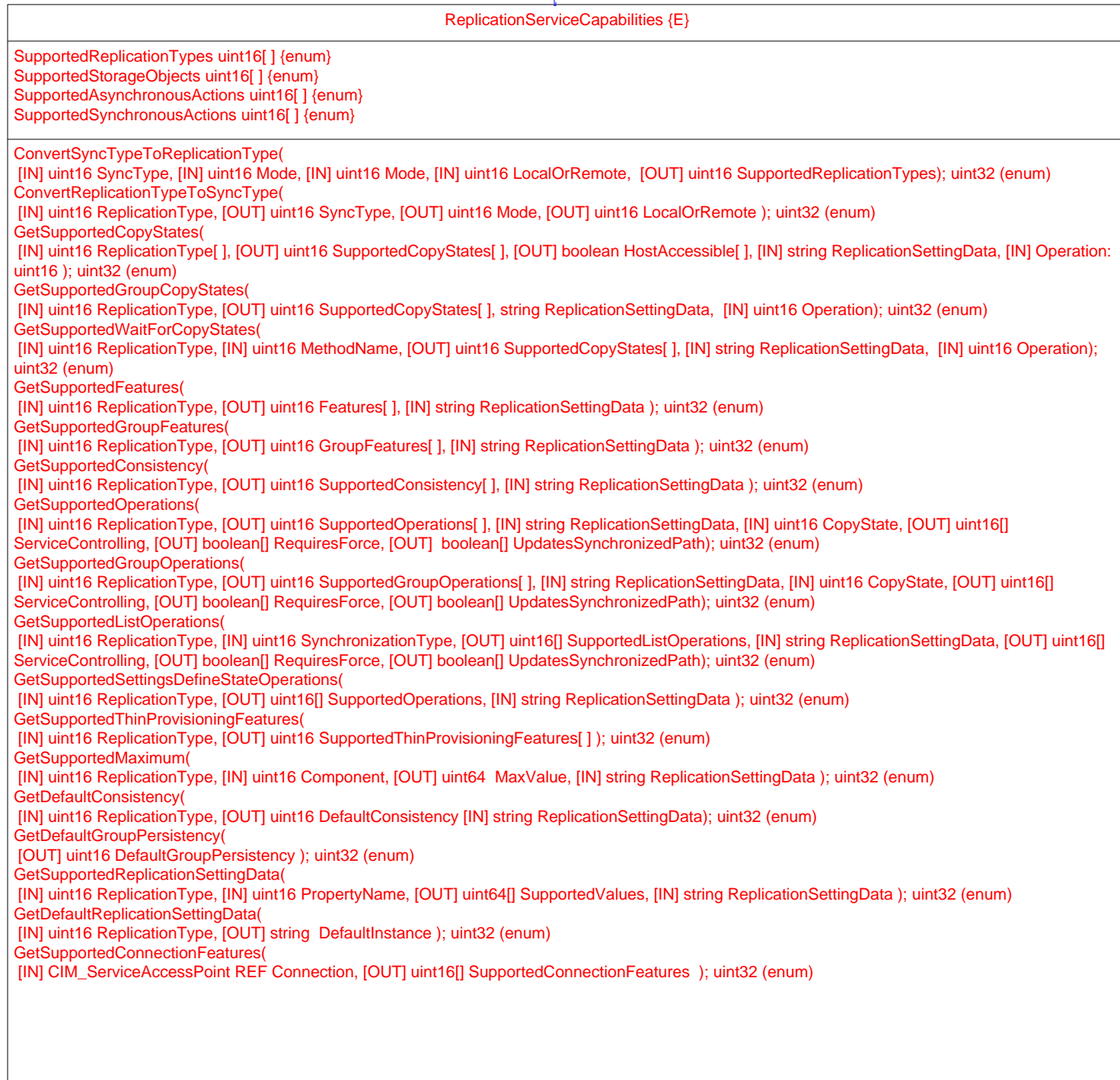
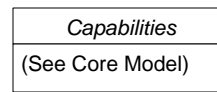


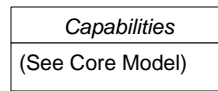




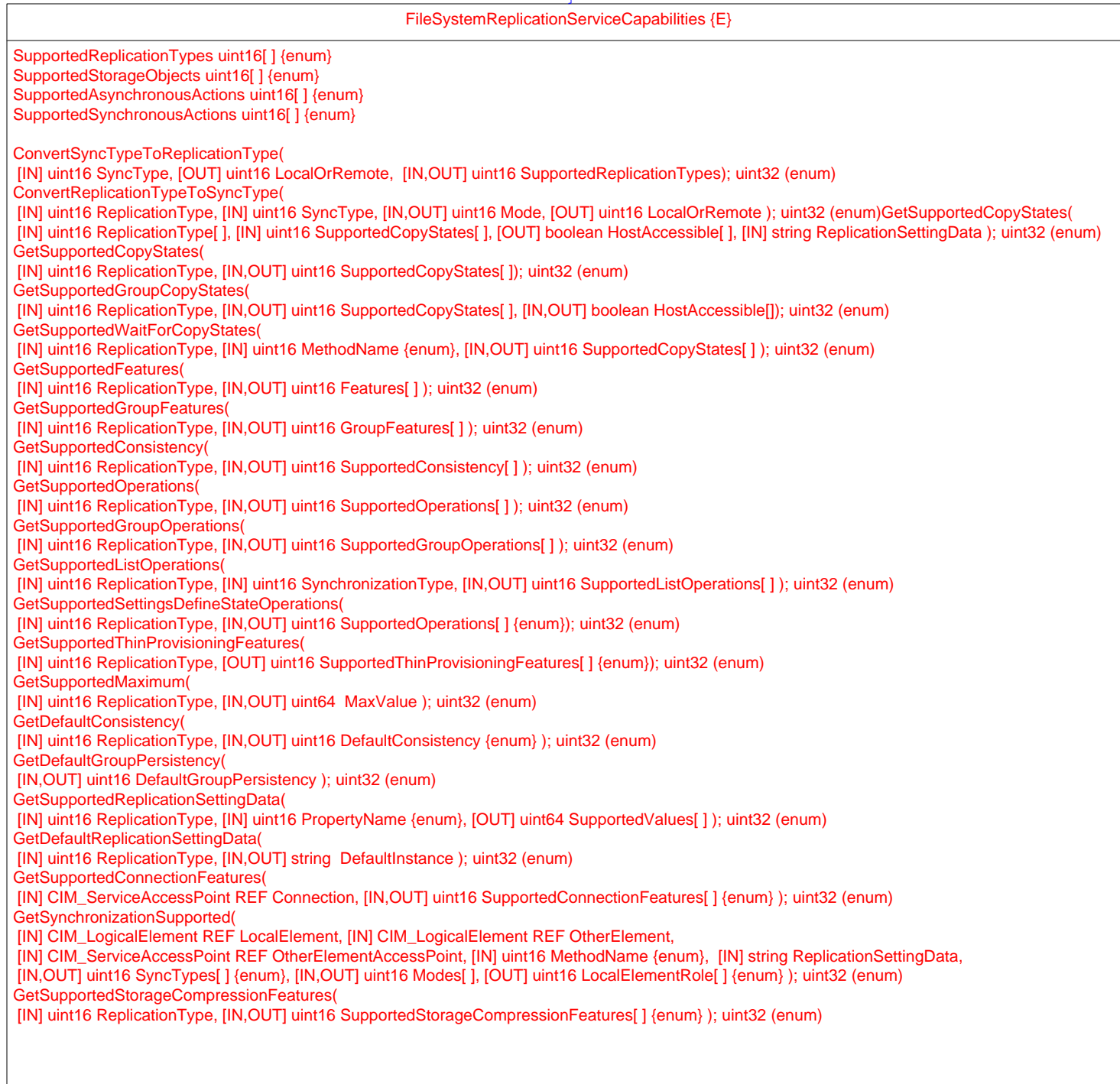
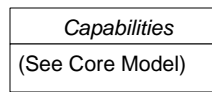


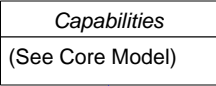


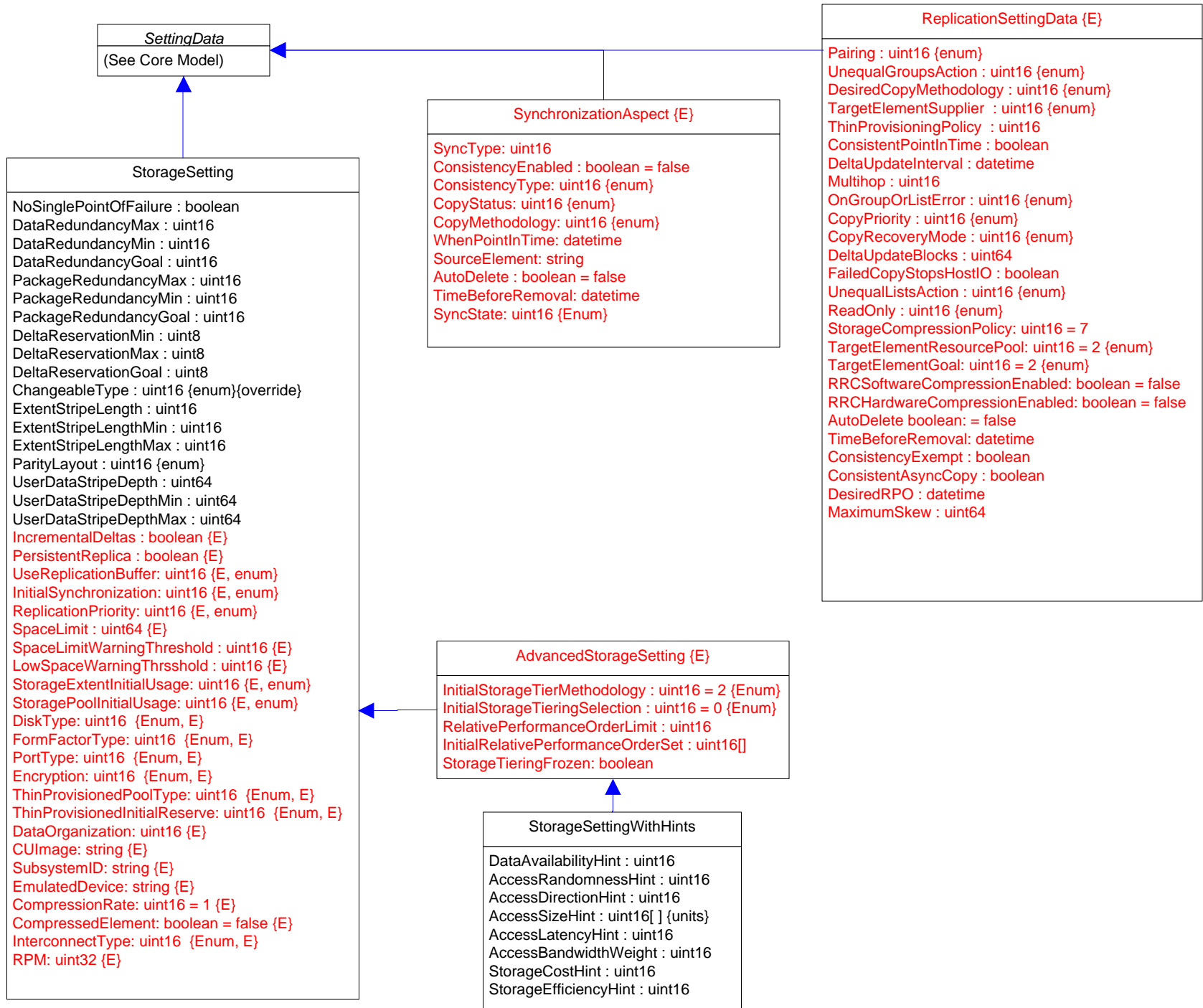





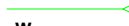







ReplicationServiceCapabilities {E} (continued)
<p>GetSynchronizationSupported(                      [IN] CIM_LogicalElement REF LocalElement, [IN] CIM_LogicalElement REF OtherElement,                      [IN] CIM_ServiceAccessPoint REF OtherElementAccessPoint, [IN] uint16 MethodName, [IN] string ReplicationSettingData, [OUT] uint16 SyncTypes[ ],                      [OUT] uint16[] Modes, [OUT] uint16[] LocalElementRole); uint32 (enum)</p> <p>GetSupportedStorageCompressionFeatures(                      [IN] uint16 ReplicationType, [OUT] uint16[] SupportedStorageCompressionFeatures, [IN] string ReplicationSettingData ); uint32 (enum)</p> <p>GetSupportedTokenizedReplicationType(                      [IN] CIM_ManagedElement REF SourceElement, [IN] CIM_ManagedElement REF TargetElement,                      [IN] CIM_ServiceAccessPoint REF ElementAccessPoint, [IN] string ReplicationSettingData, [OUT] uint16[] ReplicationTypes ); uint32 (enum)</p> <p>GetSupportedListFeatures(                      [IN] uint16 ReplicationType, [IN] string ReplicationSettingData); uint32 (enum)</p> <p>GetSupportedOperationsForSynchronization(                      [IN] CIM_Synchronized REF Synchronization, [IN] string ReplicationSettingData, [IN] uint16 SynchronizationType, [OUT] uint16[] SupportedOperations,                      [OUT] uint16[] ServiceControlling, [OUT] boolean[] RequiresForce, [OUT] boolean[] UpdatesSynchronizedPath); uint32 (enum)</p> <p>GetSupportedReplicationTypesForSystem(                      [IN] CIM_ComputerSystem REF System, [IN] string ReplicationSettingData, [OUT] uint16[] SupportedReplicationTypes,); uint32 (enum)</p> <p>GetElementNameCapabilities(                      [IN] uint16 ElementType, [OUT] uint16[] SupportedFeatures, [OUT] uint16 MaxElementNameLen, [OUT] string ElementNameMask); uint32 (enum)</p>







-  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

*ManagedElement*  
(See Core Model)

*Collection*  
(See Core Model)

*SystemSpecificCollection*  
(See Core Model)

*StatisticsCollection* {E}  
(See Core Model)

*BlockStatisticsManifestCollection*  
IsDefault : boolean

*StatisticalData*  
See core model)

*QueryStatisticsCollection* {E}

Query : string  
 QueryLanguage : uint16 {enum}  
 SelectEncoding : uint16 {enum}  
 SelectedNames : string  
 SelectedTypes : string  
 SelectedValues : string  
 SelectedRateNames : string  
 SelectedRateTypes : string  
 SelectedRateValues : string

*BlockStorageStatisticalData*

ElementType : uint16  
 TotalIOs : uint64 {counter}  
 KBytesTransferred : uint64 {counter, unit}  
 KBytesWritten : uint64 {counter, unit}  
 IOTimeCounter : uint64 {counter}  
 ReadIOs : uint64 {counter}  
 ReadHitIOs : uint64 {counter}  
 ReadIOTimeCounter : uint64 {counter}  
 ReadHitIOTimeCounter : uint64 {counter}  
 KBytesRead : uint64 {counter, unit}  
 WriteIOs : uint64 {counter}  
 WriteHitIOs : uint64 {counter}  
 WriteIOTimeCounter : uint64 {counter}  
 WriteHitIOTimeCounter : uint64 {counter}  
 IdleTimeCounter : uint64 {counter}  
 MaintOp : uint64 {counter}  
 MaintTimeCounter : uint64 {counter}  
 RateElementType : uint16 {enum, E}  
 TotalIOsRate : real32 {E}  
 KBytesTransferredRate : real32 {E}  
 KBytesWrittenRate : real32 {E}  
 ReadIOsRate : real32 {E}  
 ReadHitIOsRate : real32 {E}  
 KBytesReadRate : real32 {E}  
 WriteIOsRate : real32 {E}  
 WriteHitIOsRate : real32 {E}  
 MaintOpRate : real32 {E}

*BlockStatisticsManifest*

InstanceID : string  
 ElementType : uint16 {enum}  
 IncludeStartStatisticTime : boolean {enum}  
 IncludeStatisticsTime : boolean  
 IncludeTotalIOs : boolean  
 IncludeKBytesTransferred : boolean  
 IncludeIOTimeCounter : boolean  
 IncludeReadIOs : boolean  
 IncludeReadHitIOs : boolean  
 IncludeReadIOTimeCounter : boolean  
 IncludeReadHitIOTimeCounter : boolean  
 IncludeWriteIOs : boolean  
 IncludeWriteHitIOs : boolean  
 IncludeWriteHitIOTimeCounter : boolean  
 IncludeKBytesWritten : boolean  
 IncludeIdleTimeCounter : boolean  
 IncludeMaintOp : boolean  
 IncludeMaintTimeCounter : boolean  
 IncludeKBytesRead : boolean  
 IncludeStartStatisticTime : boolean  
 InstanceID : string {key}  
 IncludeWriteIOTimeCounter : boolean  
 CSVSequence[] : string {E}  
 RateElementType : uint16 {enum, E}  
 CSVRateSequence : string[] {E}  
 IncludeRateIntervalStartTime : boolean {E}  
 IncludeRateIntervalEndTime : boolean {E}  
 IncludeKBytesTransferredRate : boolean {E}  
 IncludeReadIOsRate : boolean {E}  
 IncludeReadHitIOsRate : boolean {E}  
 IncludeKBytesReadRate : boolean {E}  
 IncludeWriteHitIOsRate : boolean {E}  
 IncludeKBytesWrittenRate : boolean {E}  
 IncludeMaintOpRate : boolean {E}

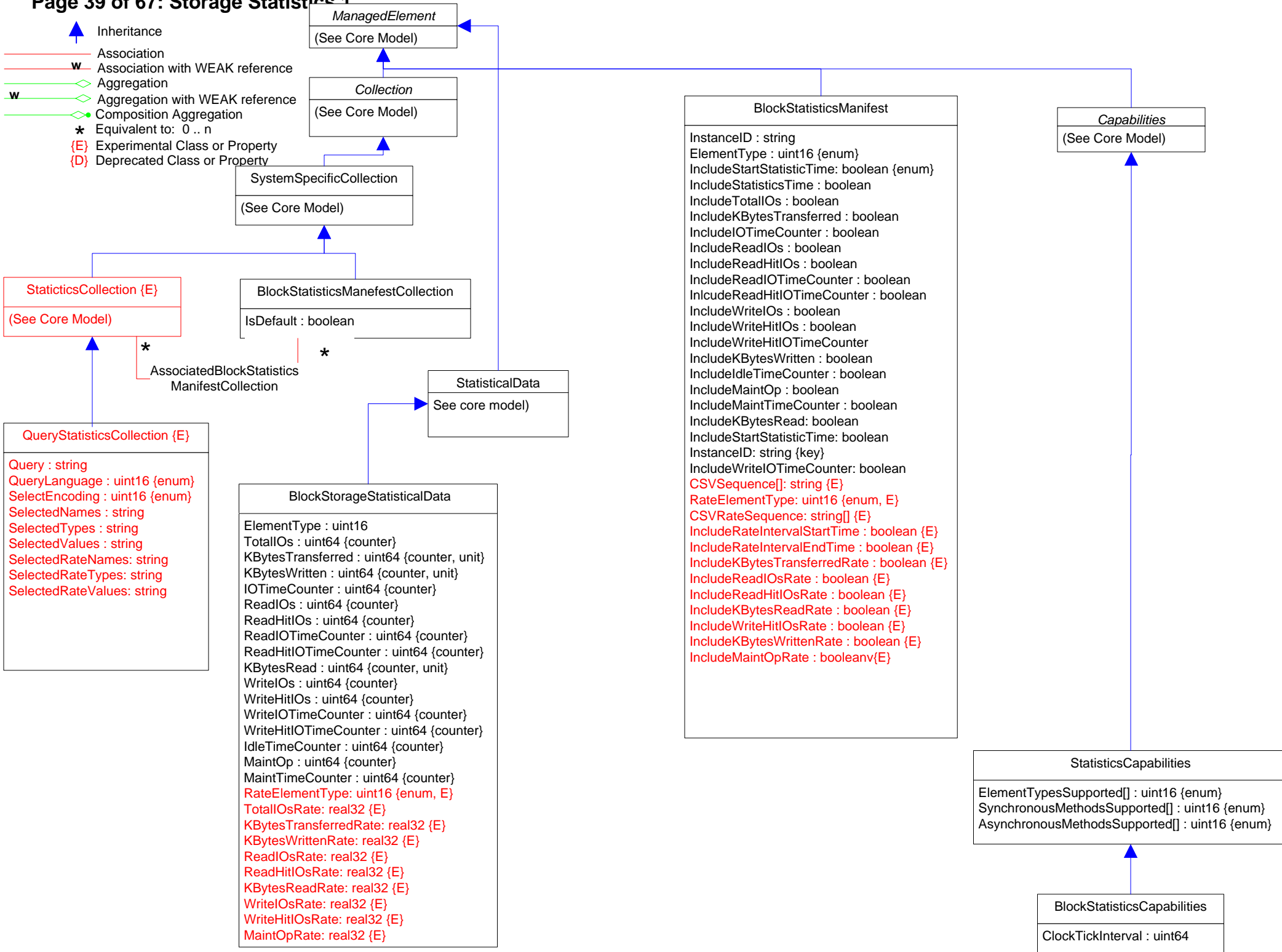
*Capabilities*  
(See Core Model)

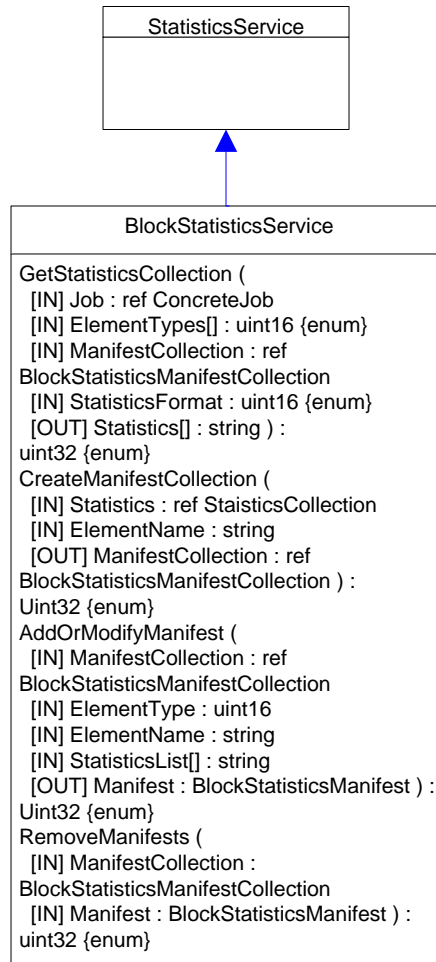
*StatisticsCapabilities*

ElementTypesSupported[] : uint16 {enum}  
 SynchronousMethodsSupported[] : uint16 {enum}  
 AsynchronousMethodsSupported[] : uint16 {enum}

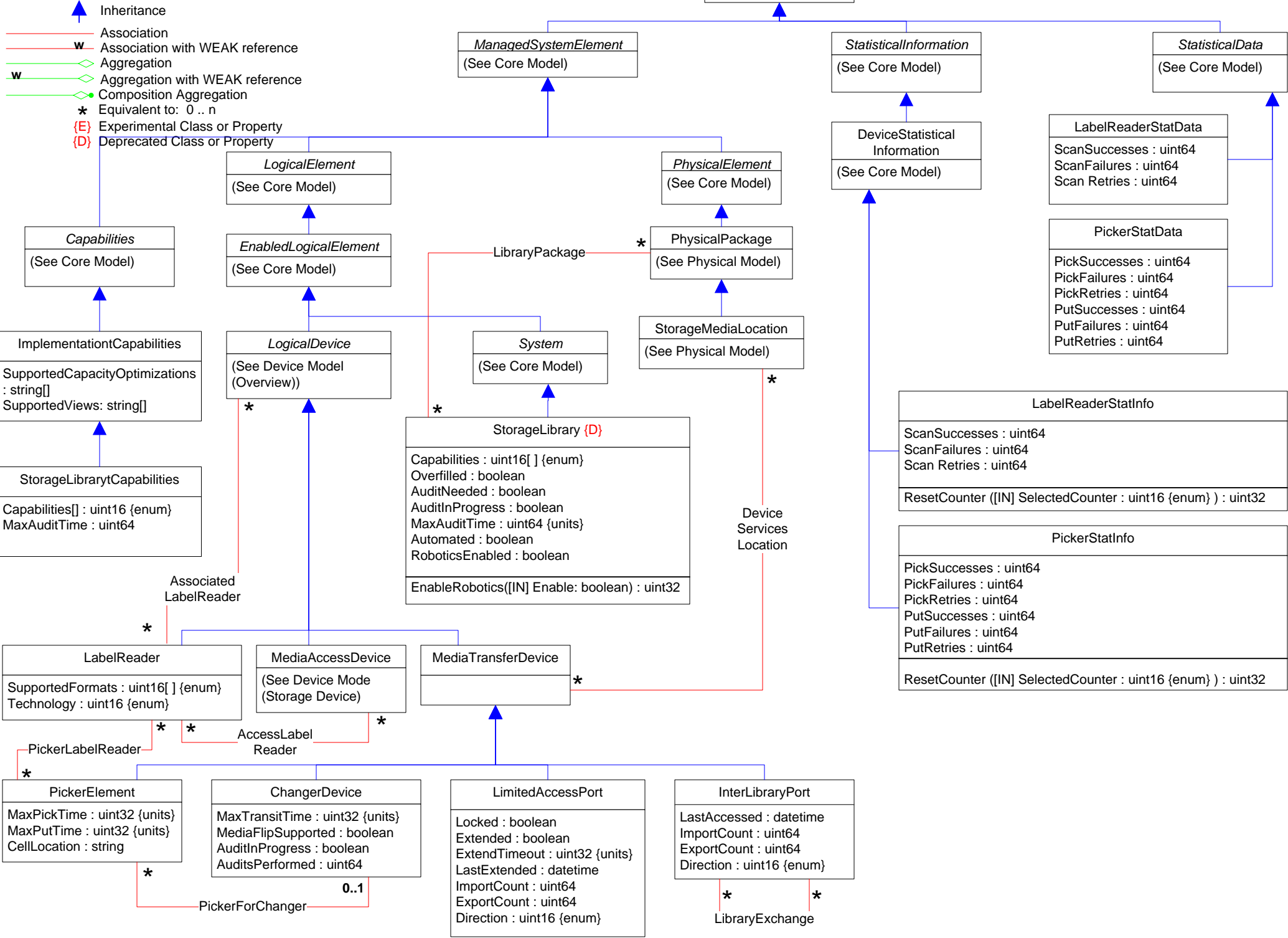
*BlockStatisticsCapabilities*

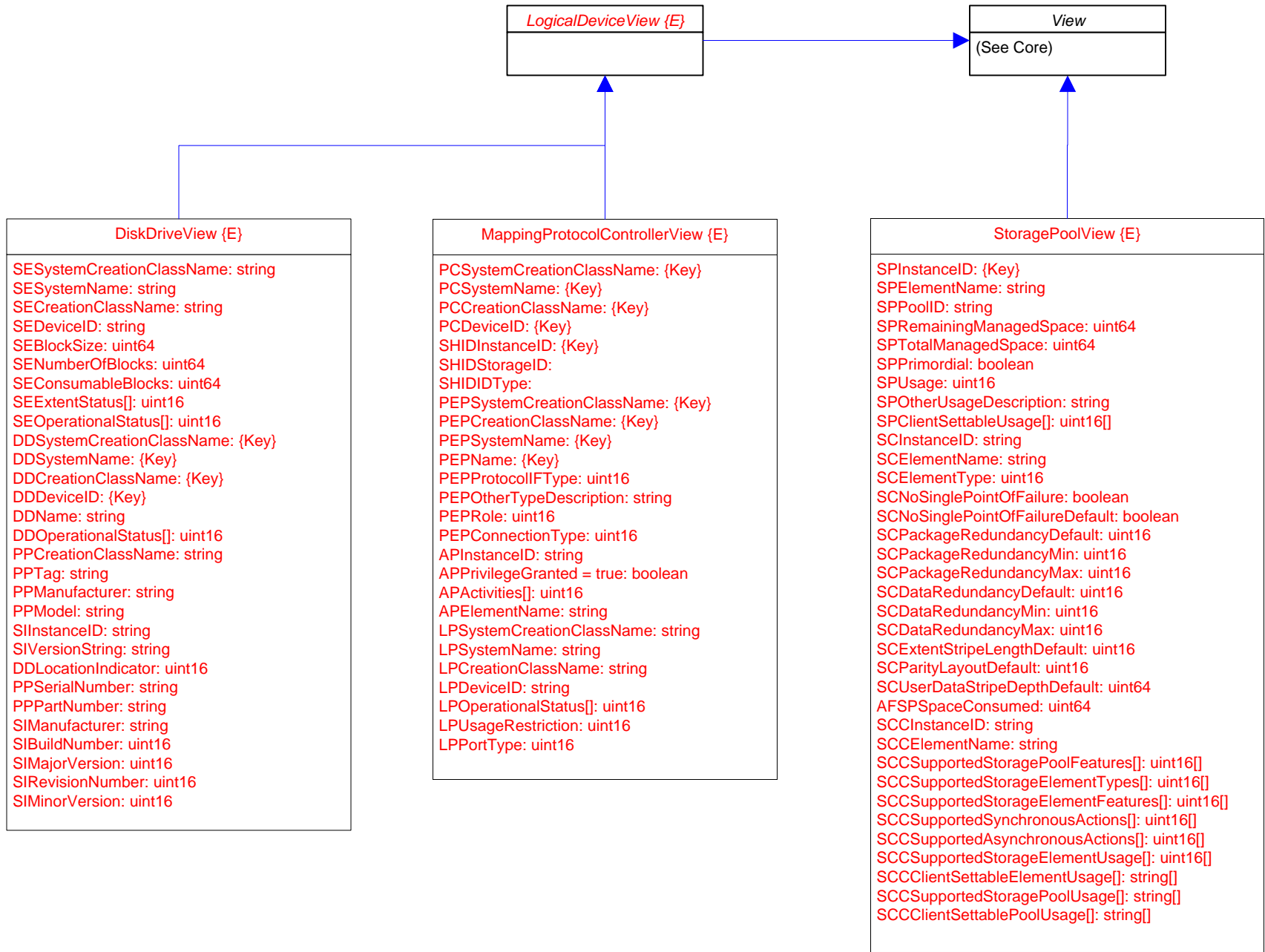
ClockTickInterval : uint64



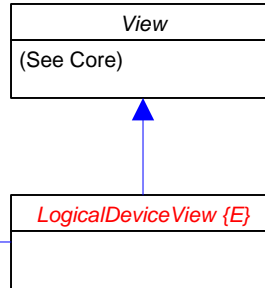




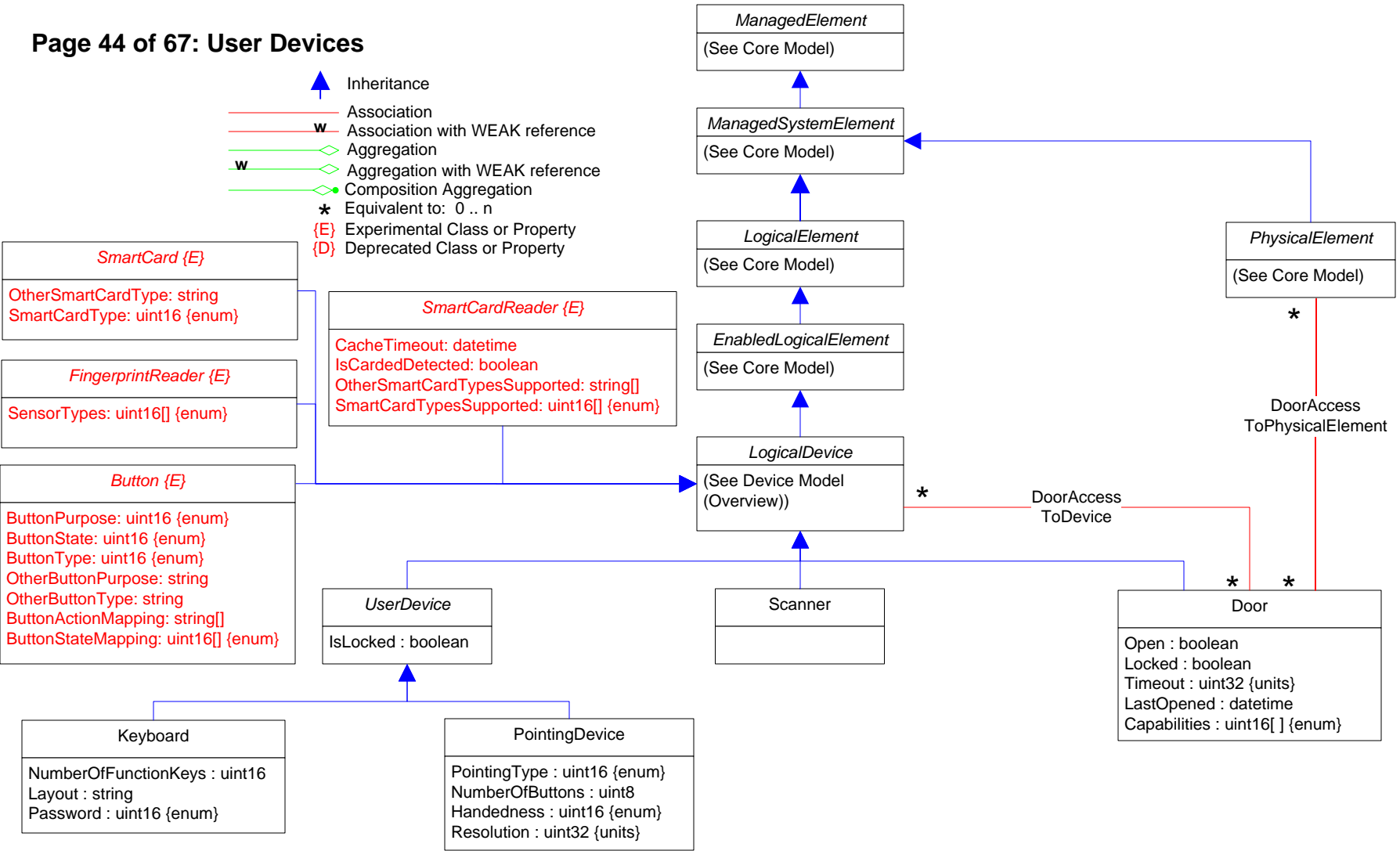
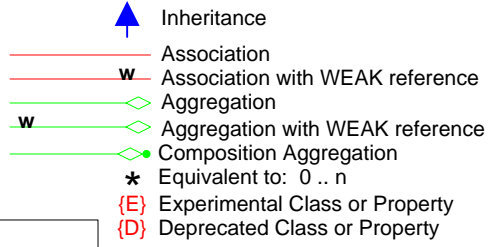











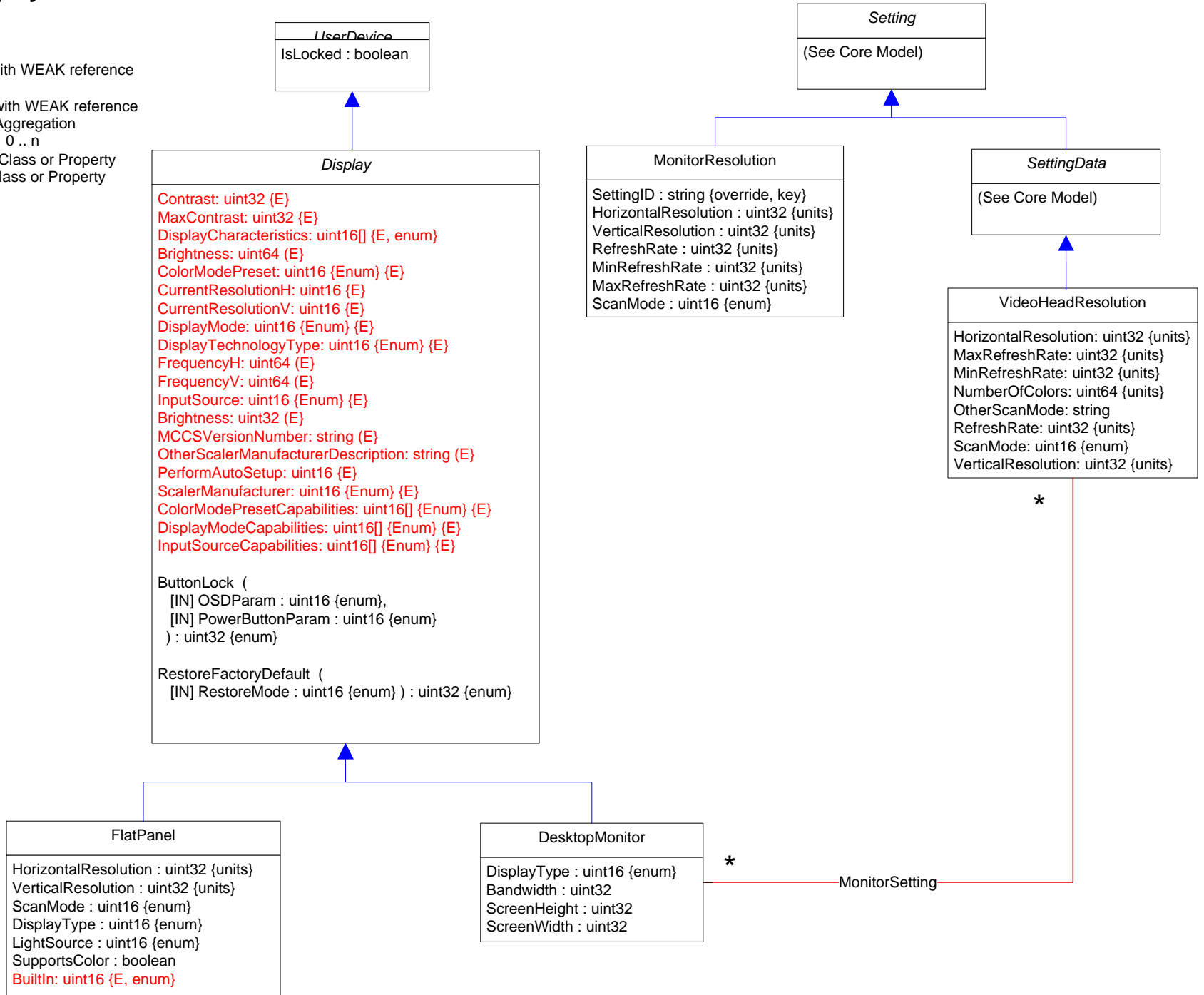
VolumeView {E}
SVSystemCreationClassName: {Key}
SVSystemName: {Key}
SVCreationClassName: {Key}
SVDeviceID: {Key}
SVName: string
SVNameFormat: uint16
SVNameNamespace: uint16
SVExtentStatus[]: uint16
SVOperationalStatus[]: uint16
SVBlockSize: uint64
SVNumberOfBlocks: uint64
SVConsumableBlocks: uint64
SVIsBasedOnUnderlyingRedundancy: boolean
SVNoSinglePointOfFailure: boolean
SVDataRedundancy: uint16
SVPackageRedundancy: uint8
SVDeltaReservation: uint8
SVUsage: uint16
SVOtherUsageDescription: string
SVClientSettableUsage[]: uint16
SSInstanceID: string
SSElementName: string
SSNoSinglePointOfFailure: boolean
SSDataRedundancyMin: uint16
SSDataRedundancyMax: uint16
SSDataRedundancyGoal: uint16
SSPackageRedundancyMin: uint16
SSPackageRedundancyMax: uint16
SSPackageRedundancyGoal: uint16
SSChangeableType: uint16
AFSPSpaceConsumed: uint64
SPInstanceID: {Key}
SPPoolID: string
SVOtherIdentifyingInfo[]: string
SVIdentifyingDescriptions[]: string
SVElementName: string
SVPrimordial: boolean
SVExtentDiscriminator[]: string
SSExtentStripeLength: uint16
SSExtentStripeLengthMin: uint16
SSExtentStripeLengthMax: uint16
SSParityLayout: uint16
SSUserDataStripeDepth: uint64
SSUserDataStripeDepthMin: uint64
SSUserDataStripeDepthMax: uint64
SSStoragePoolInitialUsage: uint16
SSStorageExtentInitialUsage: uint16
SVIsComposite: boolean



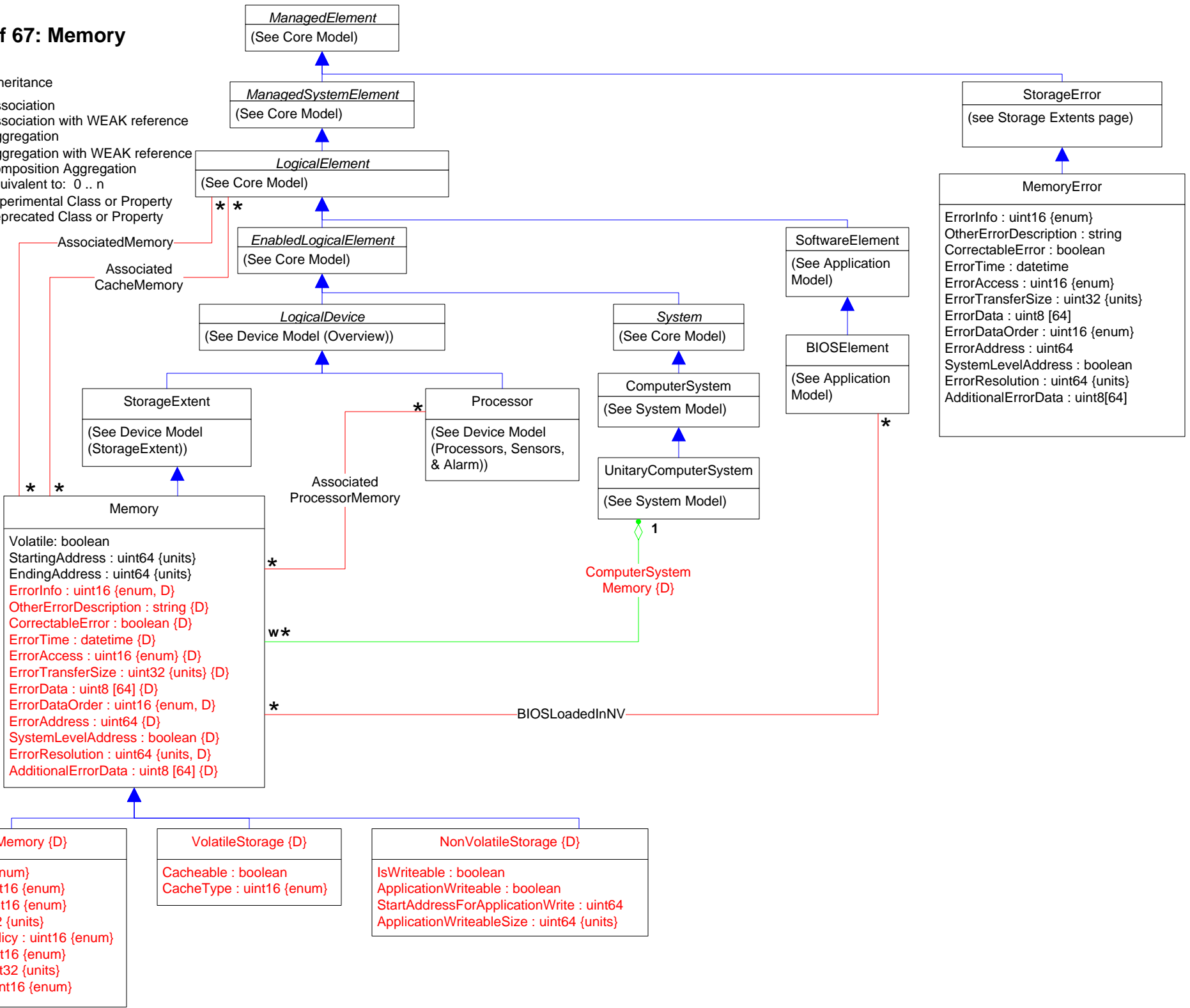
ReplicaPairView {E}
SVSourceSystemCreationClassName: string
SVSourceSystemName: string
SVSourceCreationClassName: string
SVSourceDeviceID: string
SVSourceName: string
SVSourceNameFormat: uint16
SVSourceNameNamespace: uint16
SVSourceExtentStatus: uint16[]
SVSourceOperationalStatus: uint16[]
SVSourceBlockSize: uint64
SVSourceNumberOfBlocks: uint64
SVSourceConsumableBlocks: uint64
SVSourcePrimordial: boolean
SVSourceIsBasedOnUnderlyingRedundancy: boolean
SVSourceNoSinglePointOfFailure: boolean
SVSourceDataRedundancy: uint16
SVSourcePackageRedundancy: uint16
SVSourceDeltaReservation: uint8
SVSourceExtentDiscriminator: string[]
SVSourceOtherIdentifyingInfo: string[]
SVSourceIdentifyingDescriptions: string[]
SVSourceElementName: string
SVSourceUsage: uint16
SVSourceOtherUsageDescription: string
SVSourceClientSettableUsage: uint16[]
SSWhenSynced: datetime
SSSyncMaintained: boolean
SSCopyType: uint16
SSSyncState: uint16
SSCopyPriority: uint16
SSSyncType: uint16
SSMode: uint16
SSProgressStatus:
SVTargetSystemCreationClassName: {Key}
SVTargetSystemName: {Key}
SVTargetCreationClassName: {Key}
SVTargetDeviceID: {Key}
SVTargetName: string
SVTargetNameFormat: uint16
SVTargetNameNamespace: uint16
SVTargetExtentStatus: uint16
SVTargetOperationalStatus: uint16[]
SVTargetBlockSize: uint64
SVTargetNumberOfBlocks: uint64
SVTargetConsumableBlocks: uint64
SVTargetPrimordial: boolean
SVTargetIsBasedOnUnderlyingRedundancy: boolean
SVTargetNoSinglePointOfFailure: boolean
SVTargetDataRedundancy: uint16
SVTargetPackageRedundancy: uint16
SVTargetDeltaReservation: uint8
SVTargetExtentDiscriminator: string
SVTargetOtherIdentifyingInfo: string
SVTargetIdentifyingDescriptions: string[]
SVTargetElementName: string
SVTargetUsage: uint16
SVTargetOtherUsageDescription: string
SVTargetClientSettableUsage: uint16[]












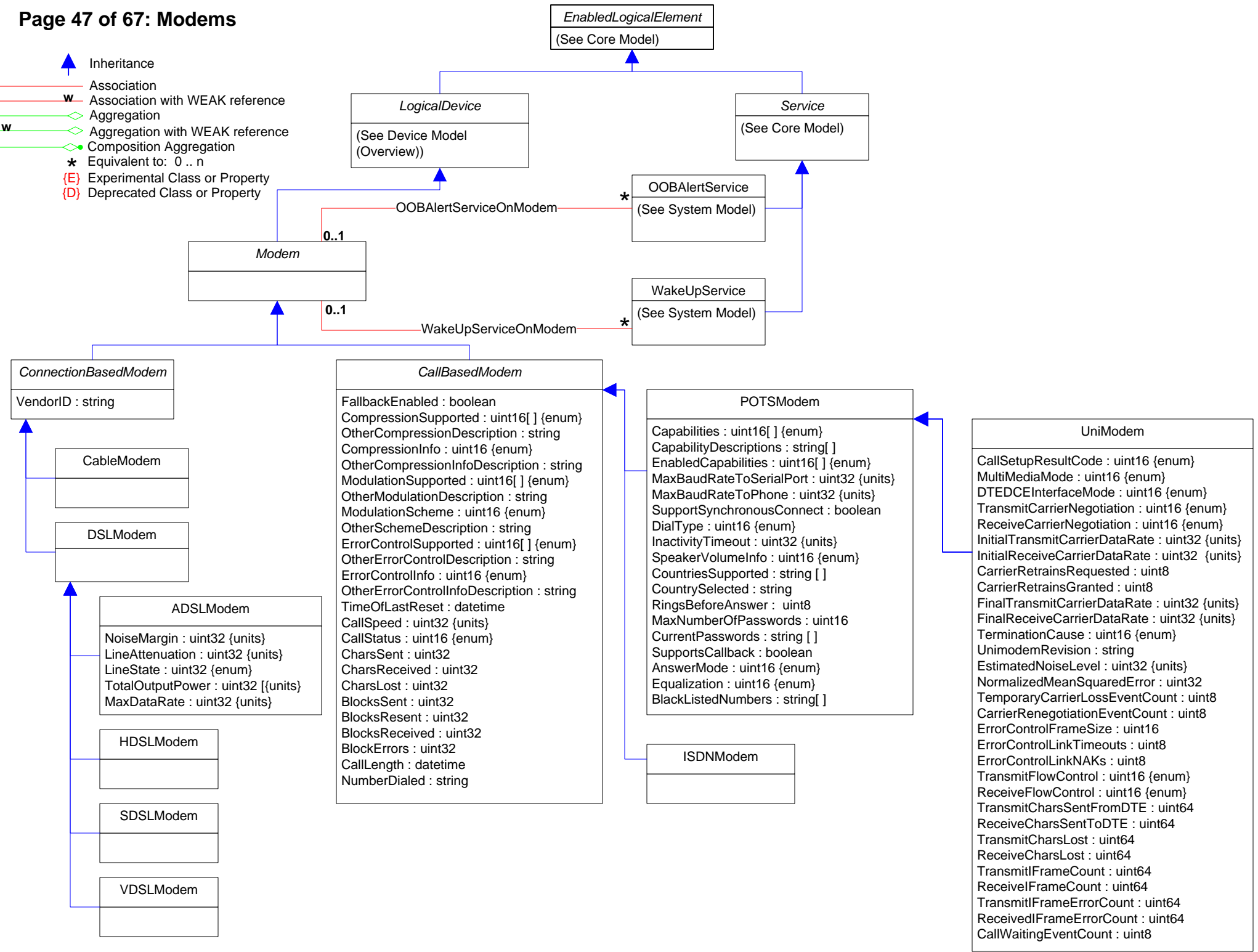
-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0..n
- {E} Experimental Class or Property
- {D} Deprecated Class or Property

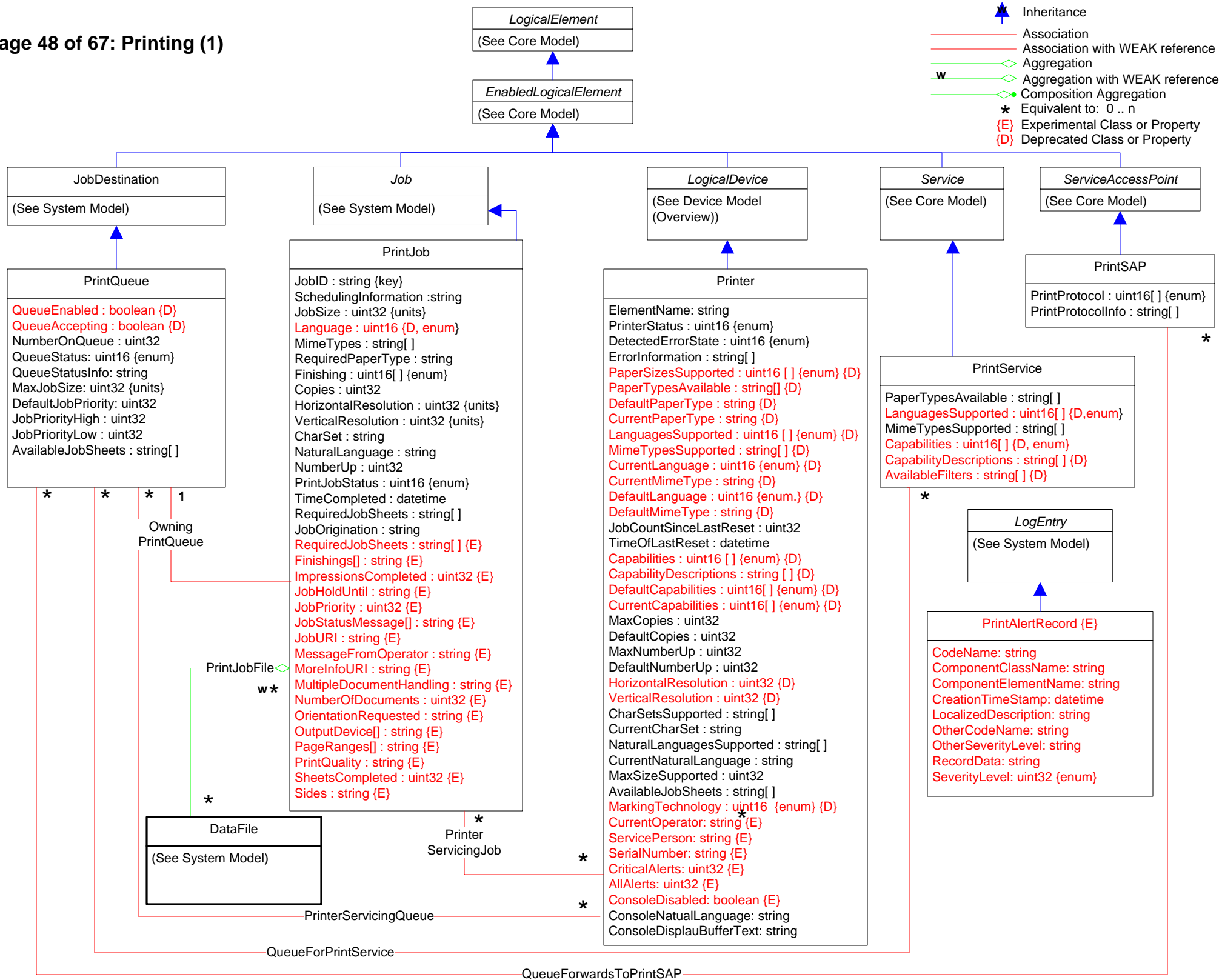


- Inheritance
- Association
- Association with WEAK reference
- Aggregation
- Aggregation with WEAK reference
- Composition Aggregation
- Equivalent to: 0 .. n
- Experimental Class or Property / Deprecated Class or Property

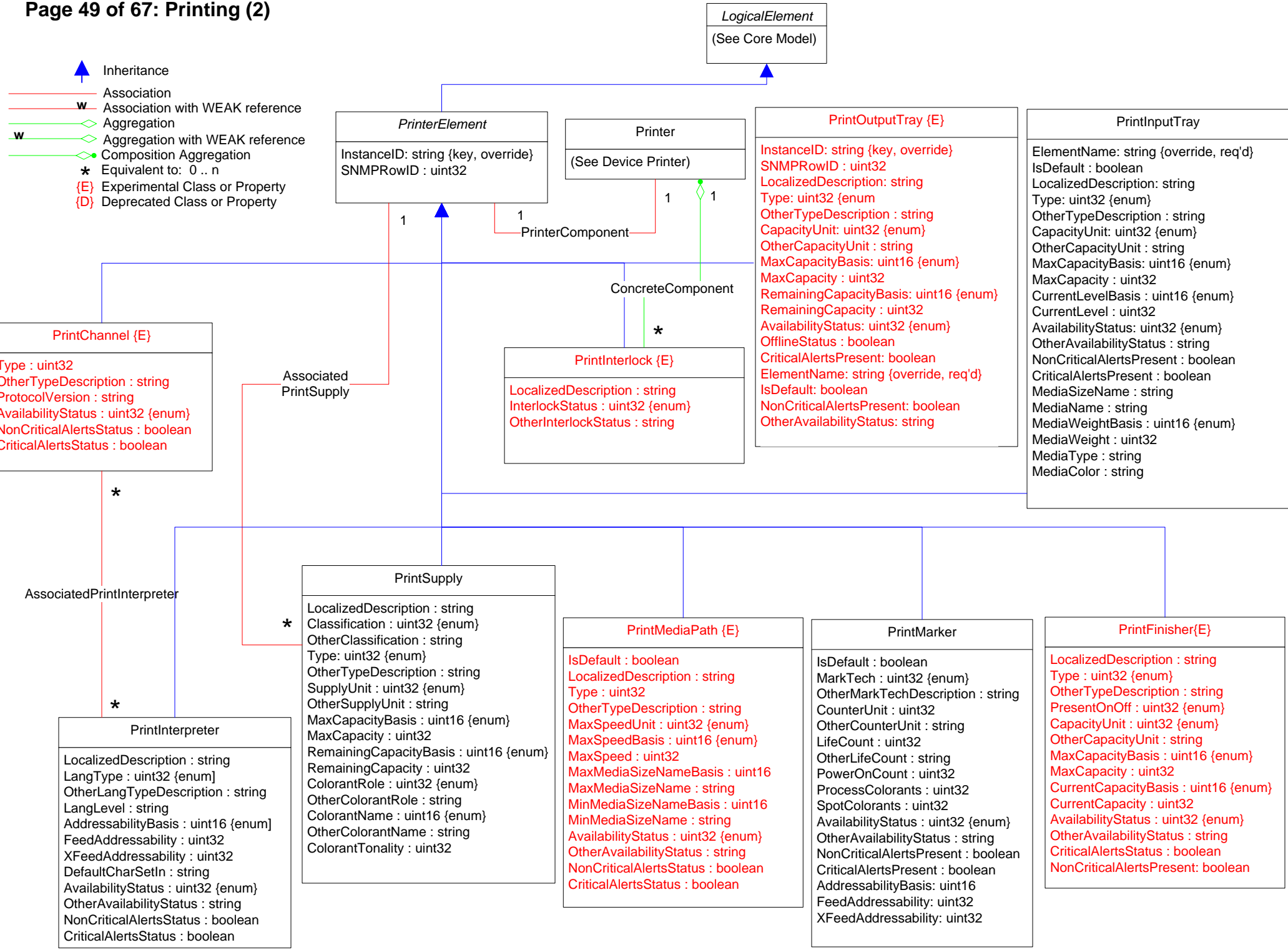


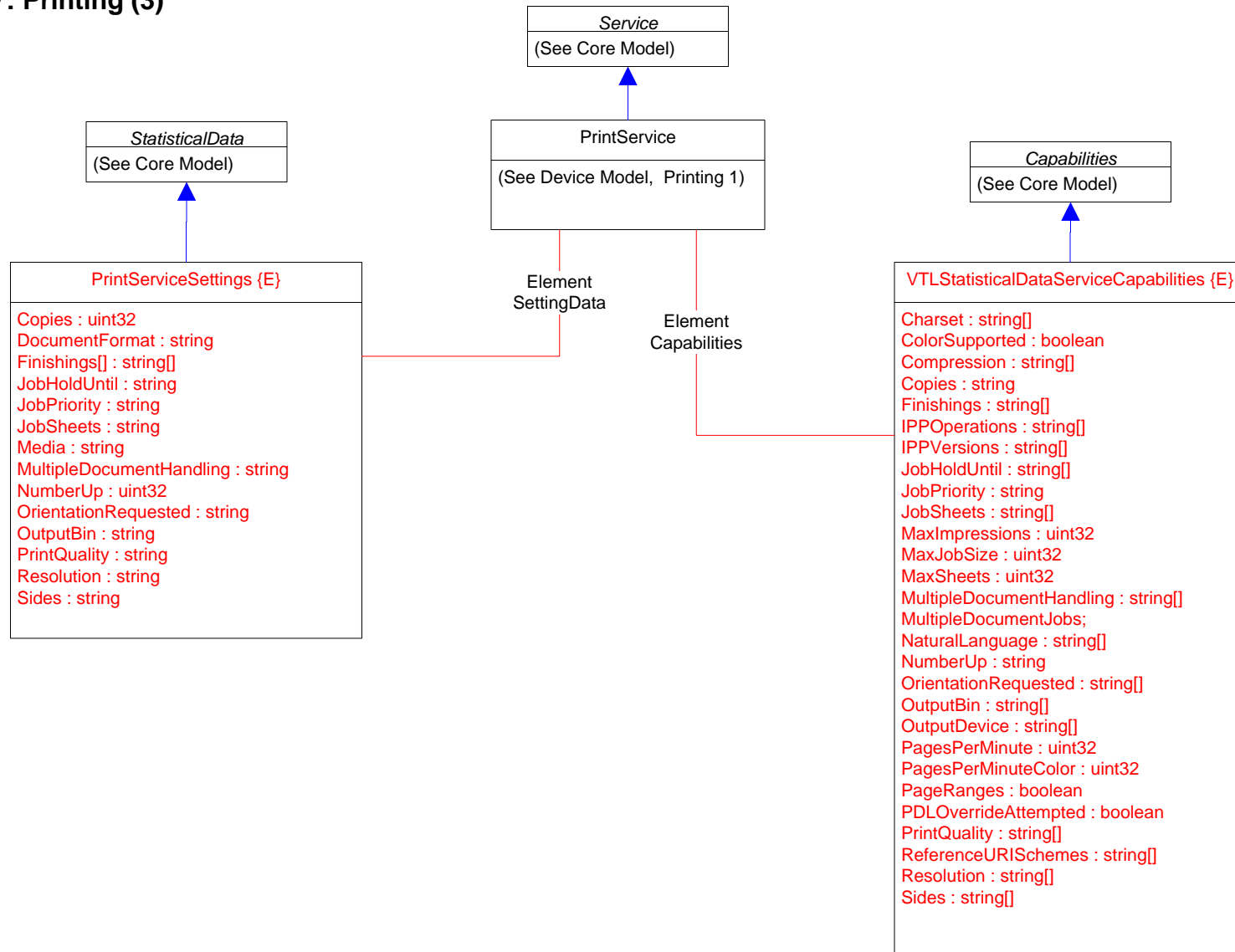
-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0..n
-  {E} Experimental Class or Property
-  {D} Deprecated Class or Property












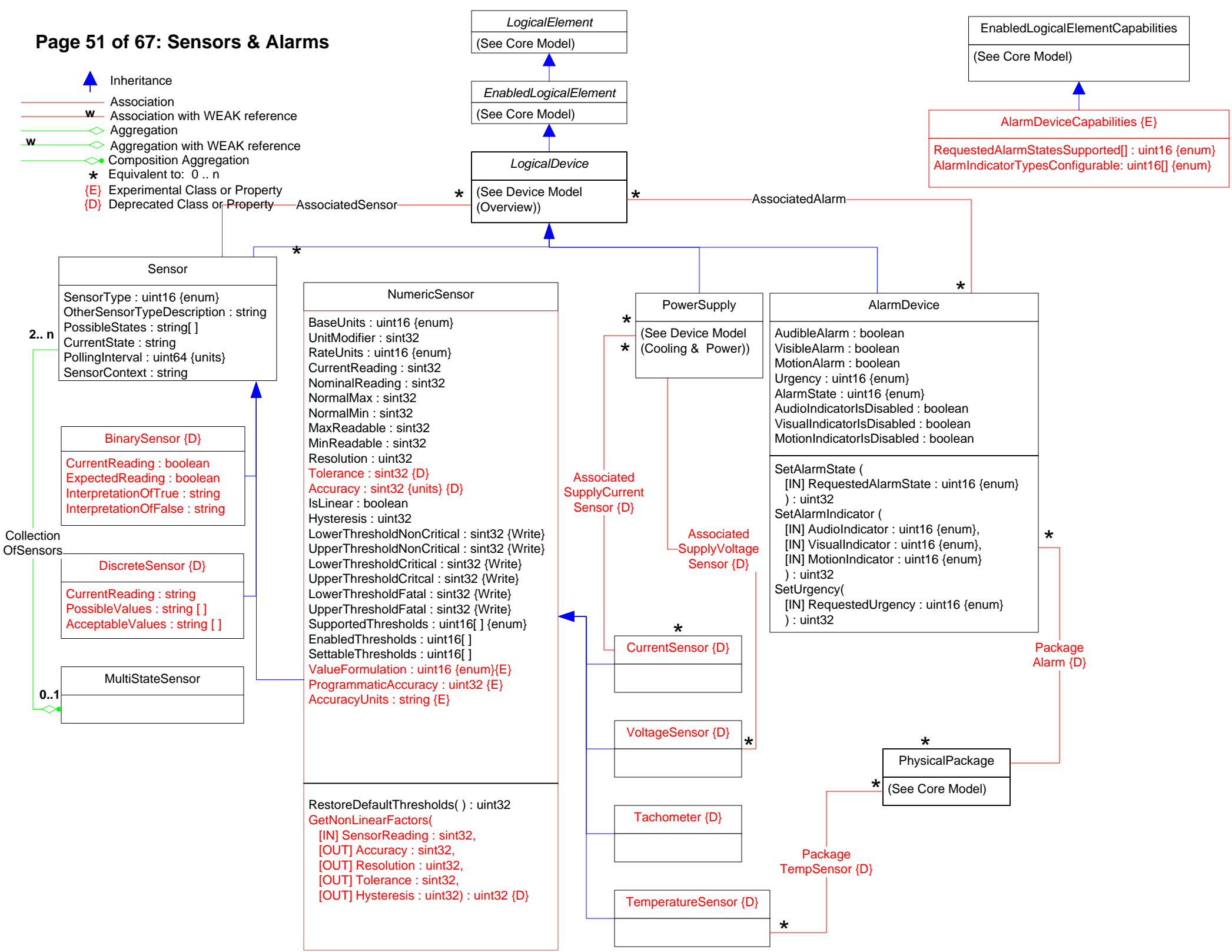











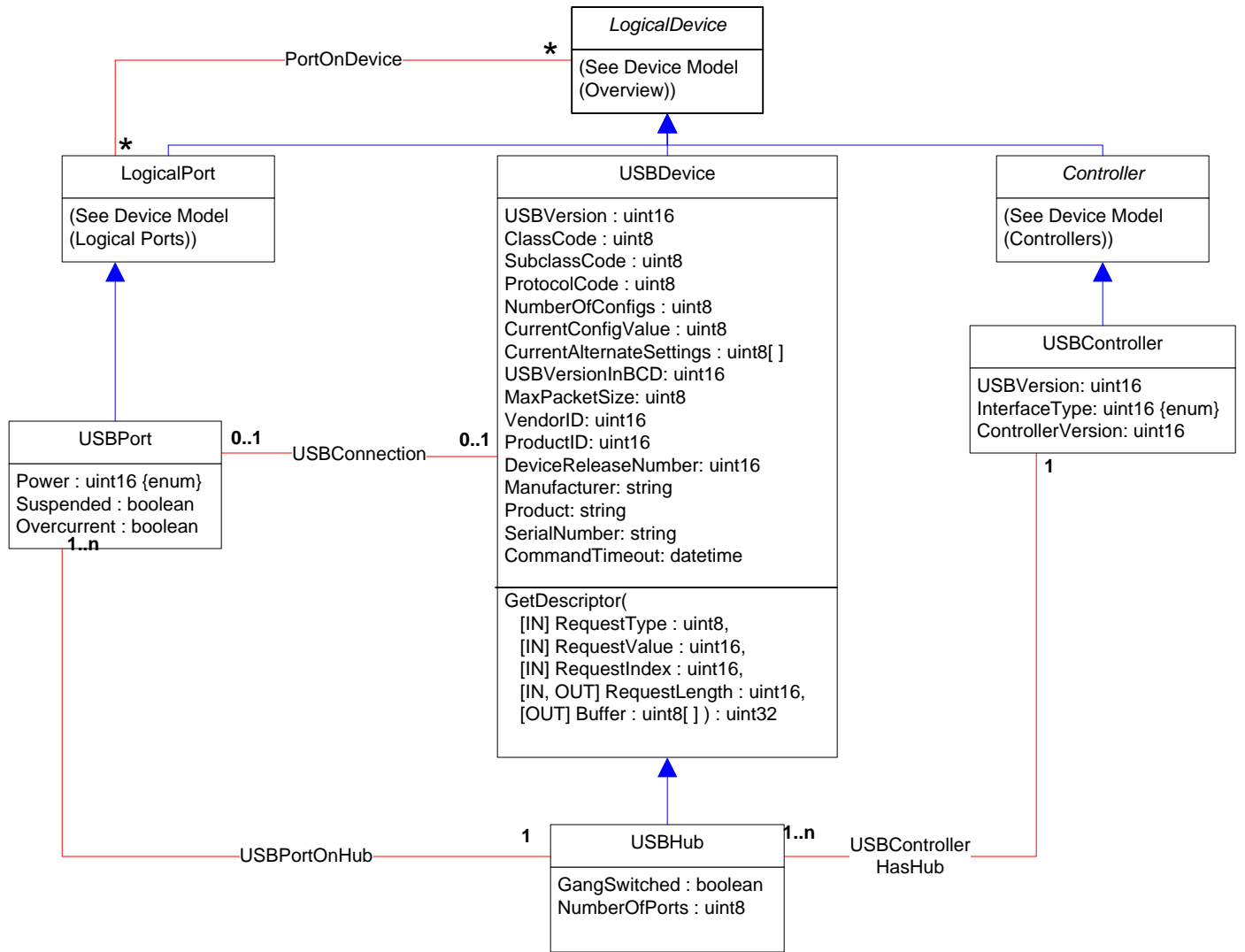





-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0 .. n
-  {E} Experimental Class or Property
-  {D} Deprecated Class or Property

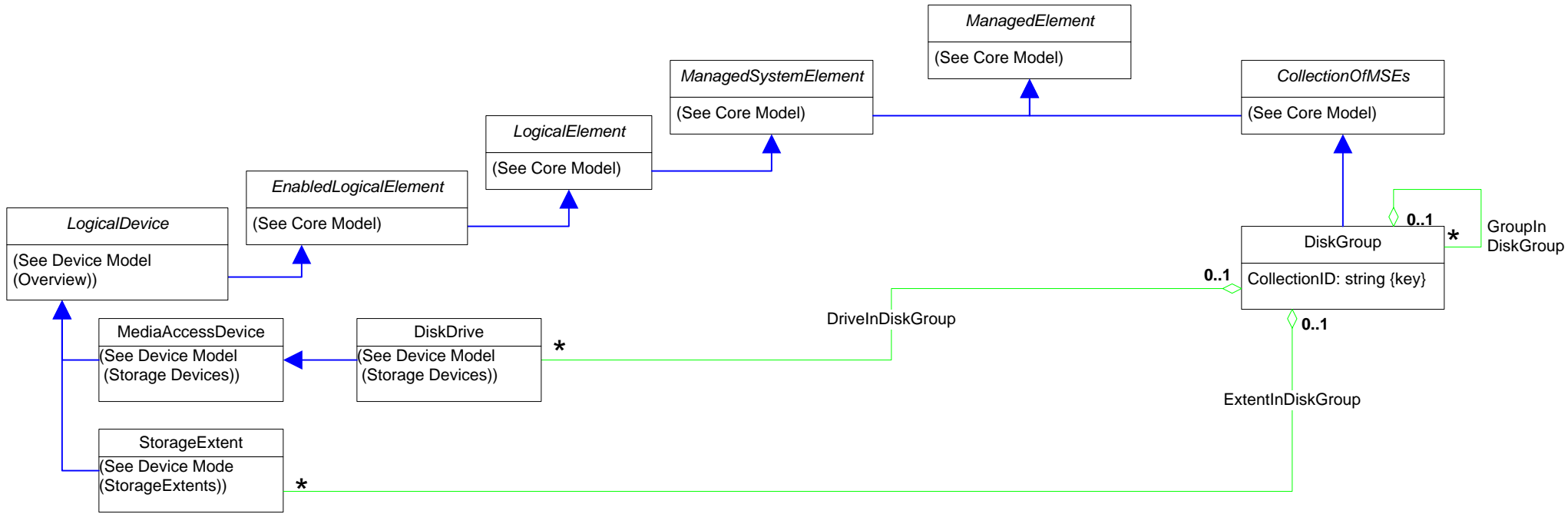


-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0 .. n










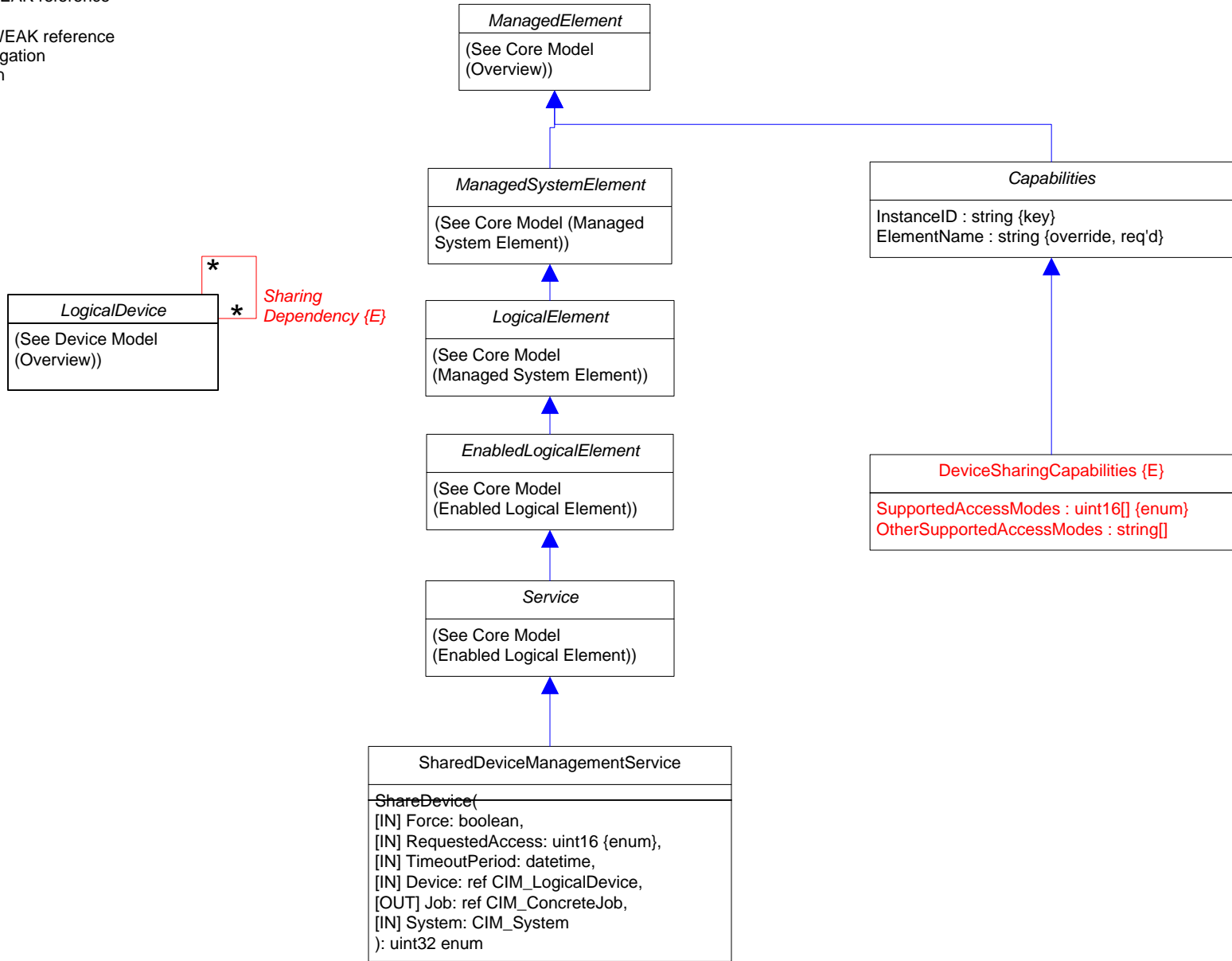
# Page 53 of 67: Disk Group





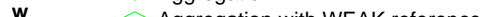
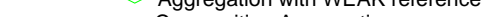

-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0..n

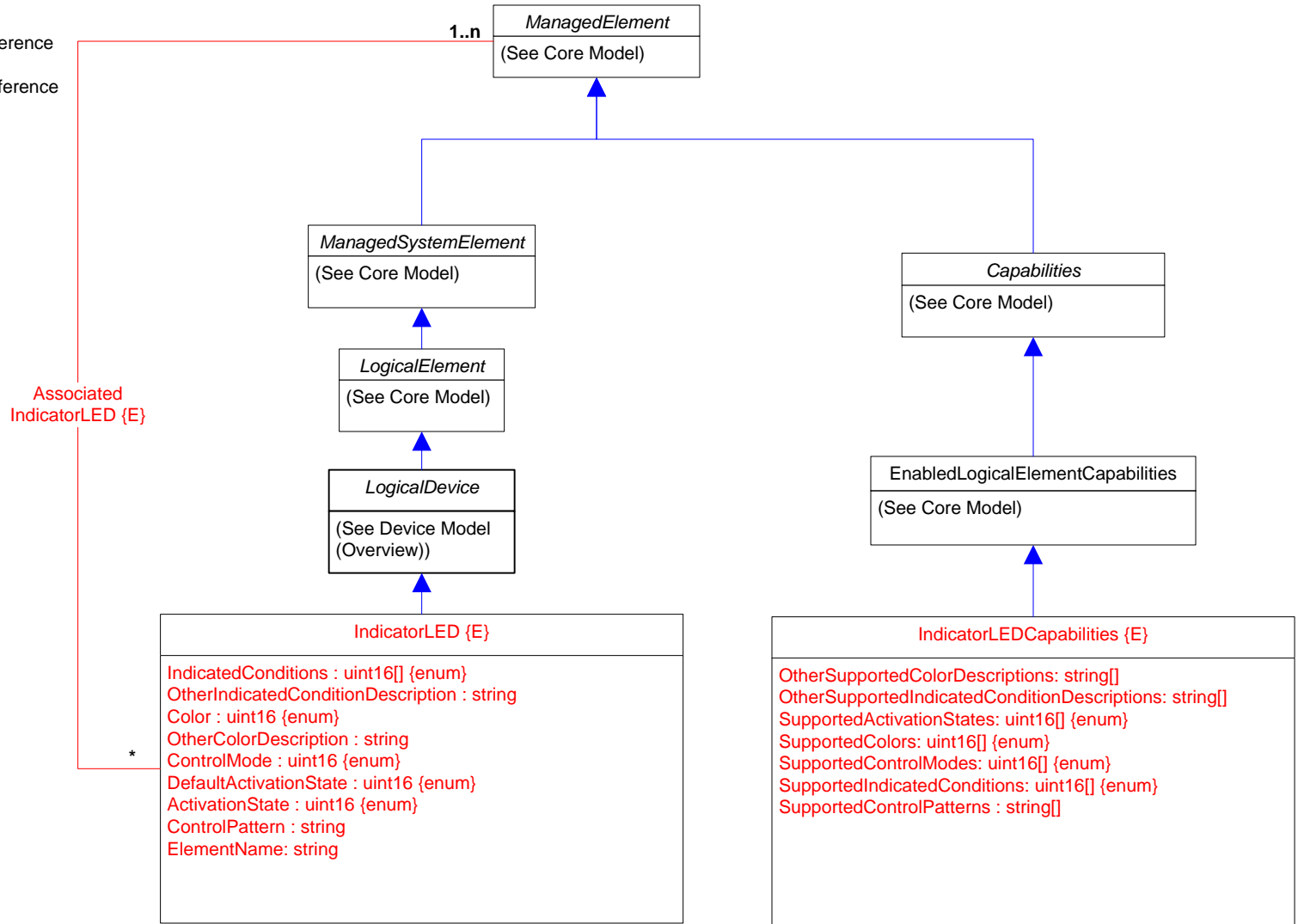











# Page 54 of 67: Device Sharing

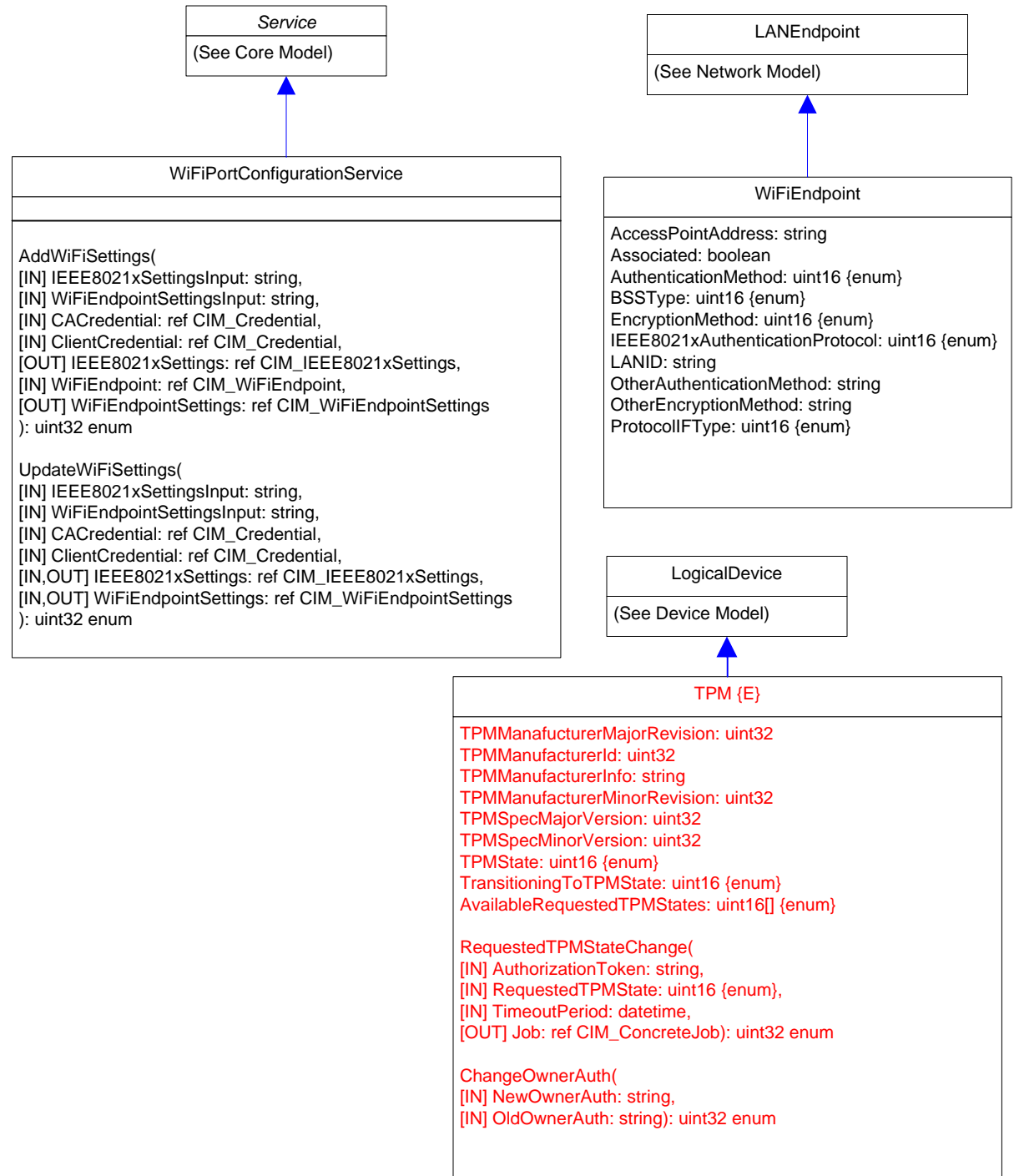
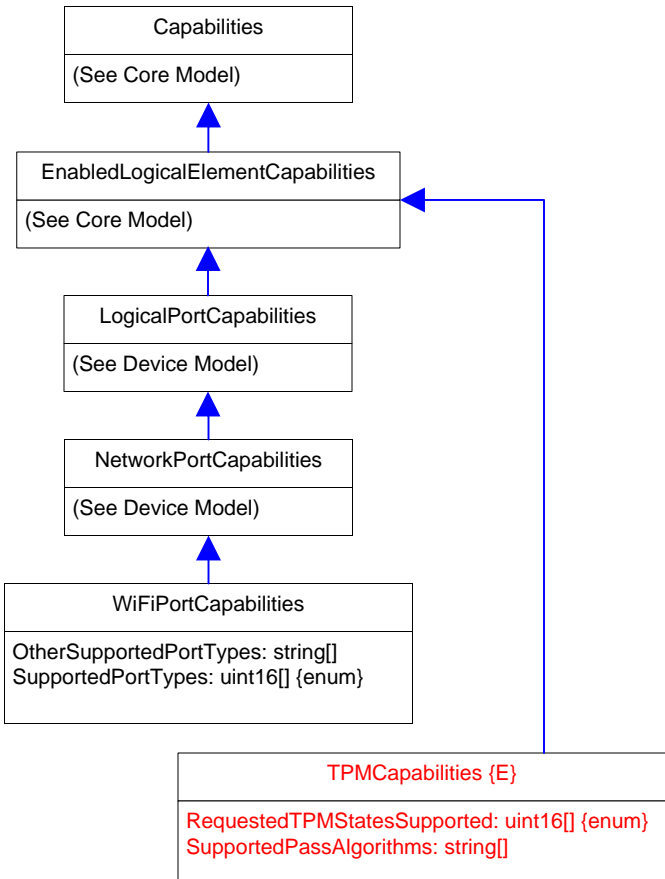
-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0..n



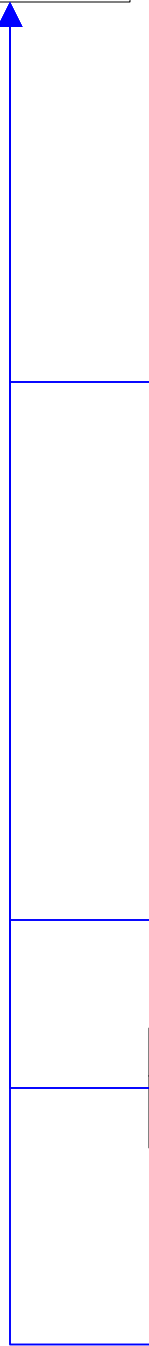
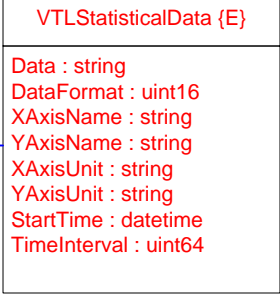
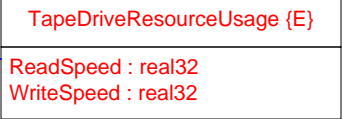
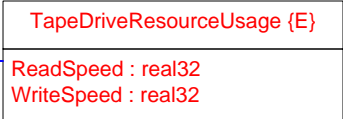
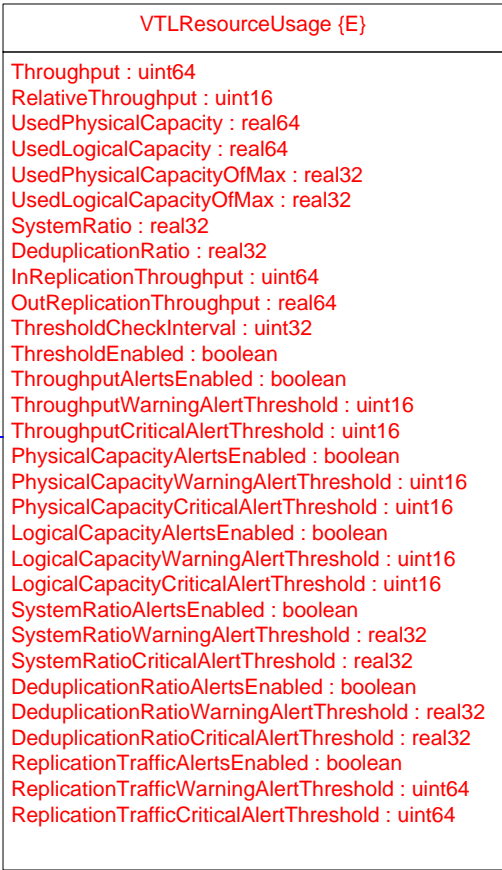
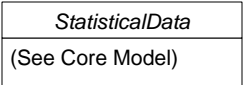
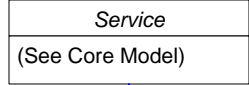
-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0 .. n

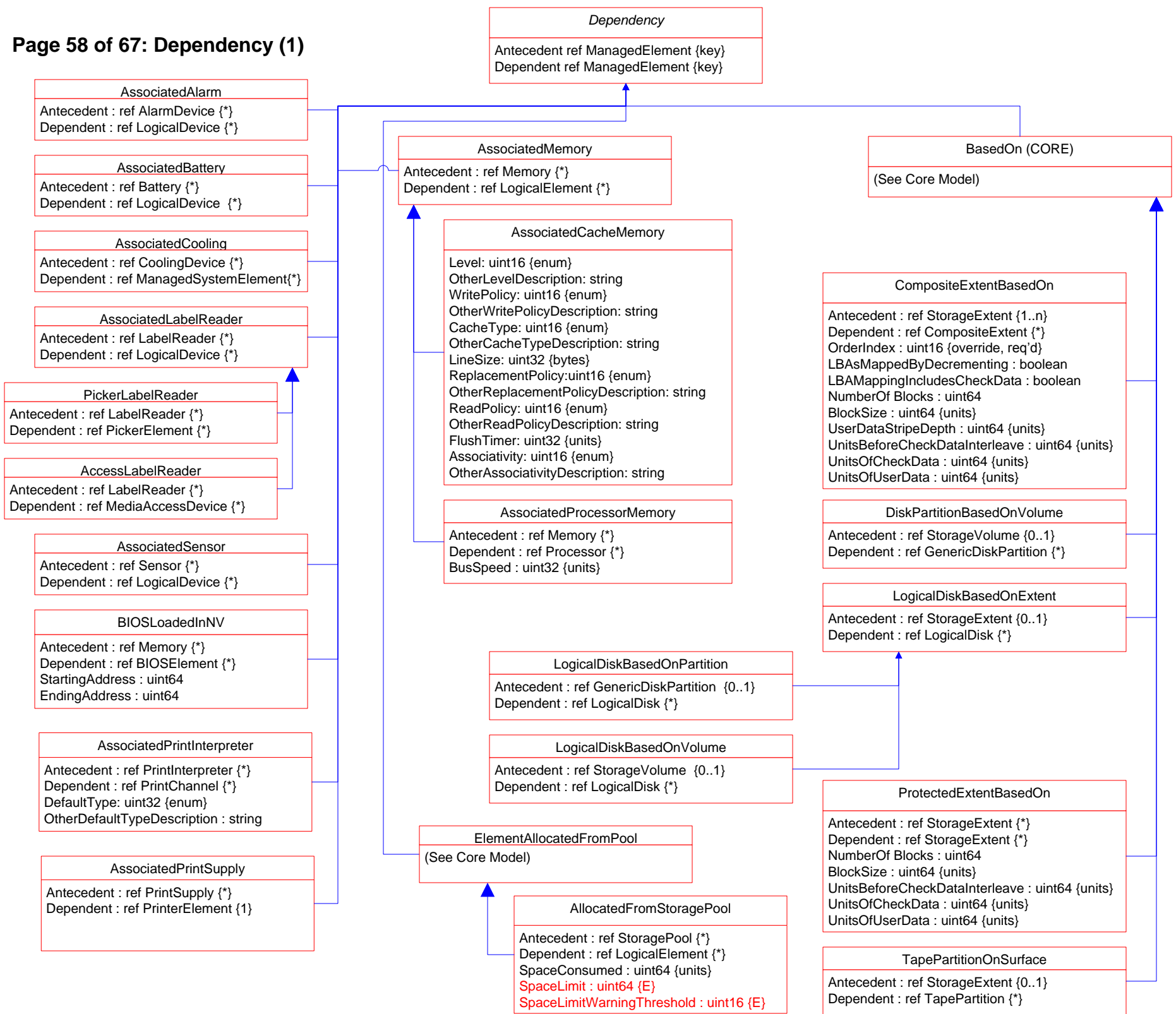


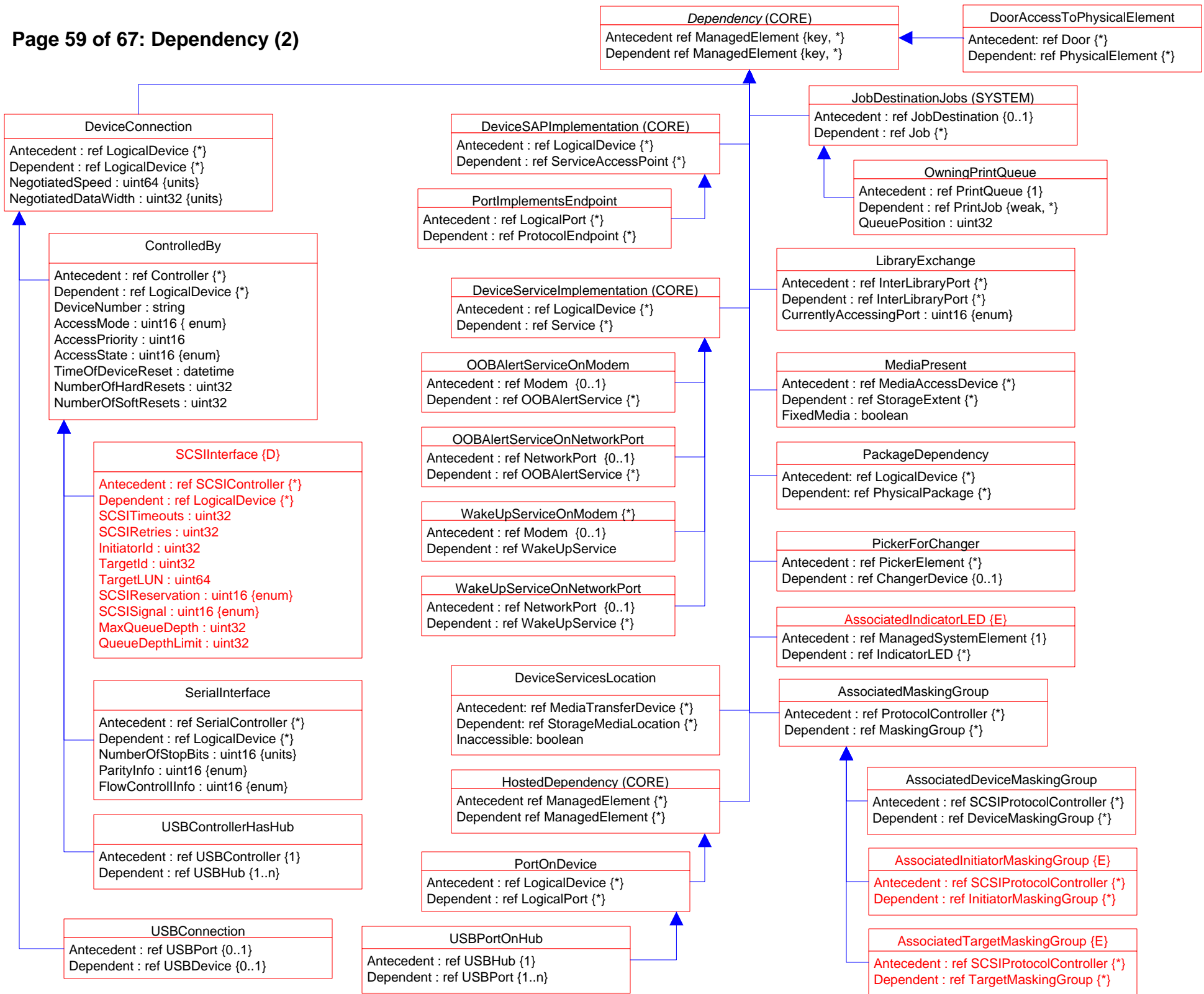
-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0 .. n
-  Experimental Class or Property
-  Deprecated Class or Property

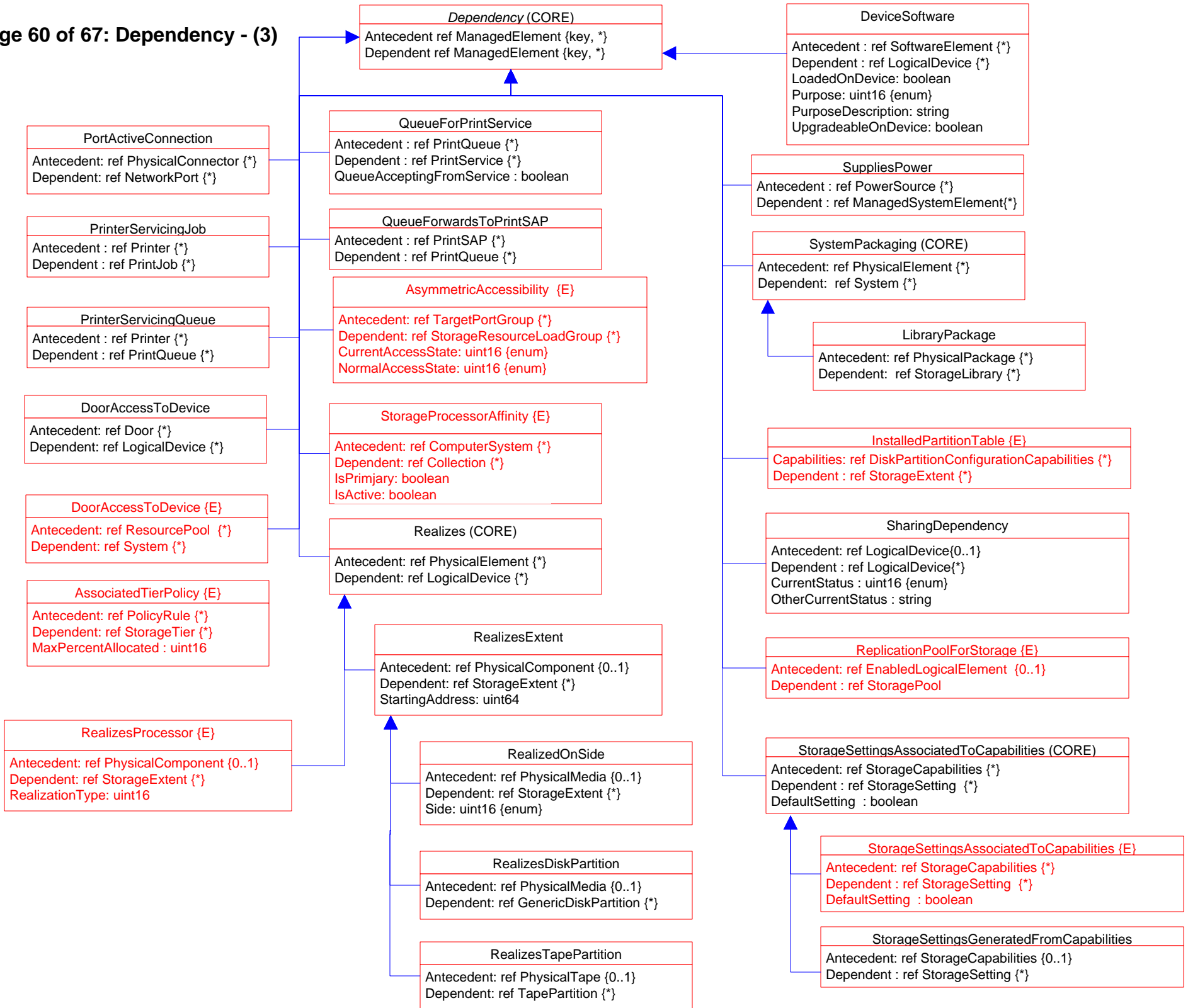


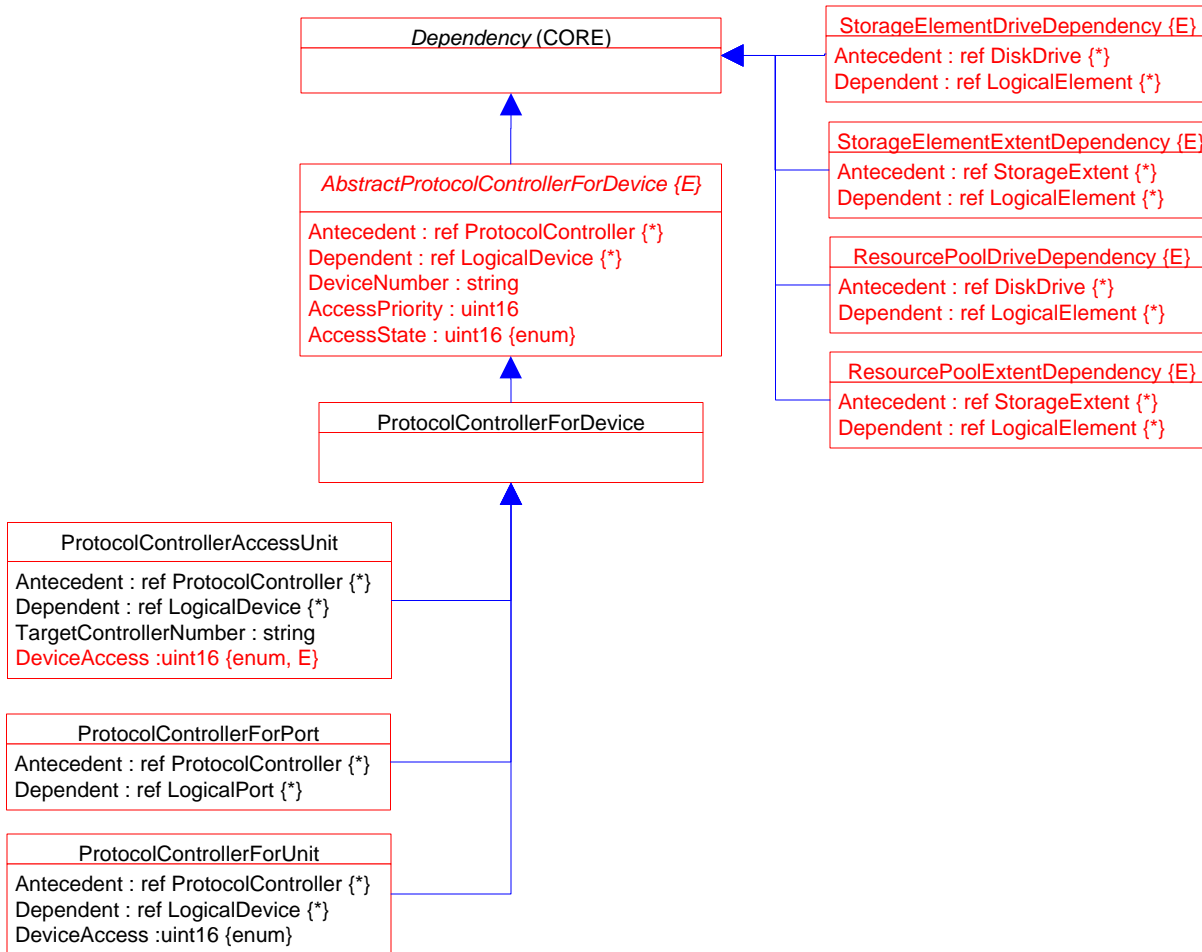




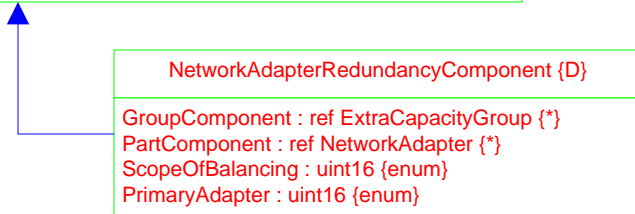
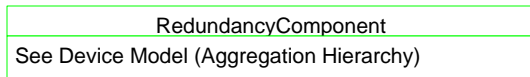
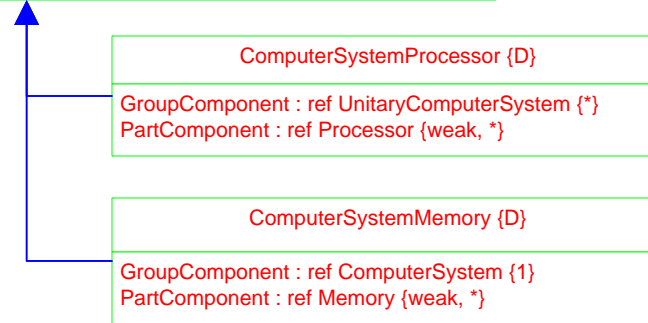
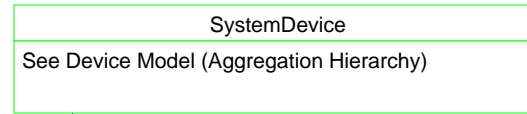
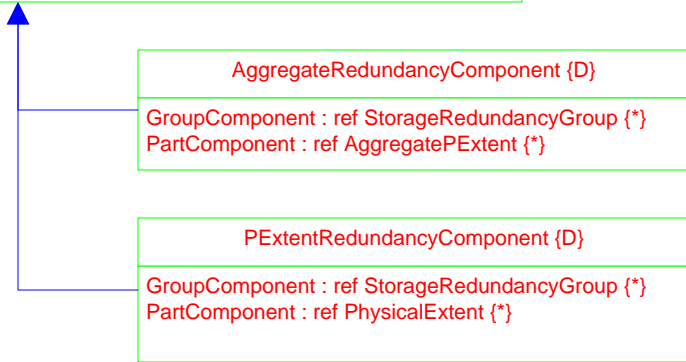
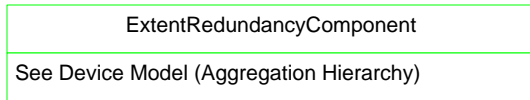




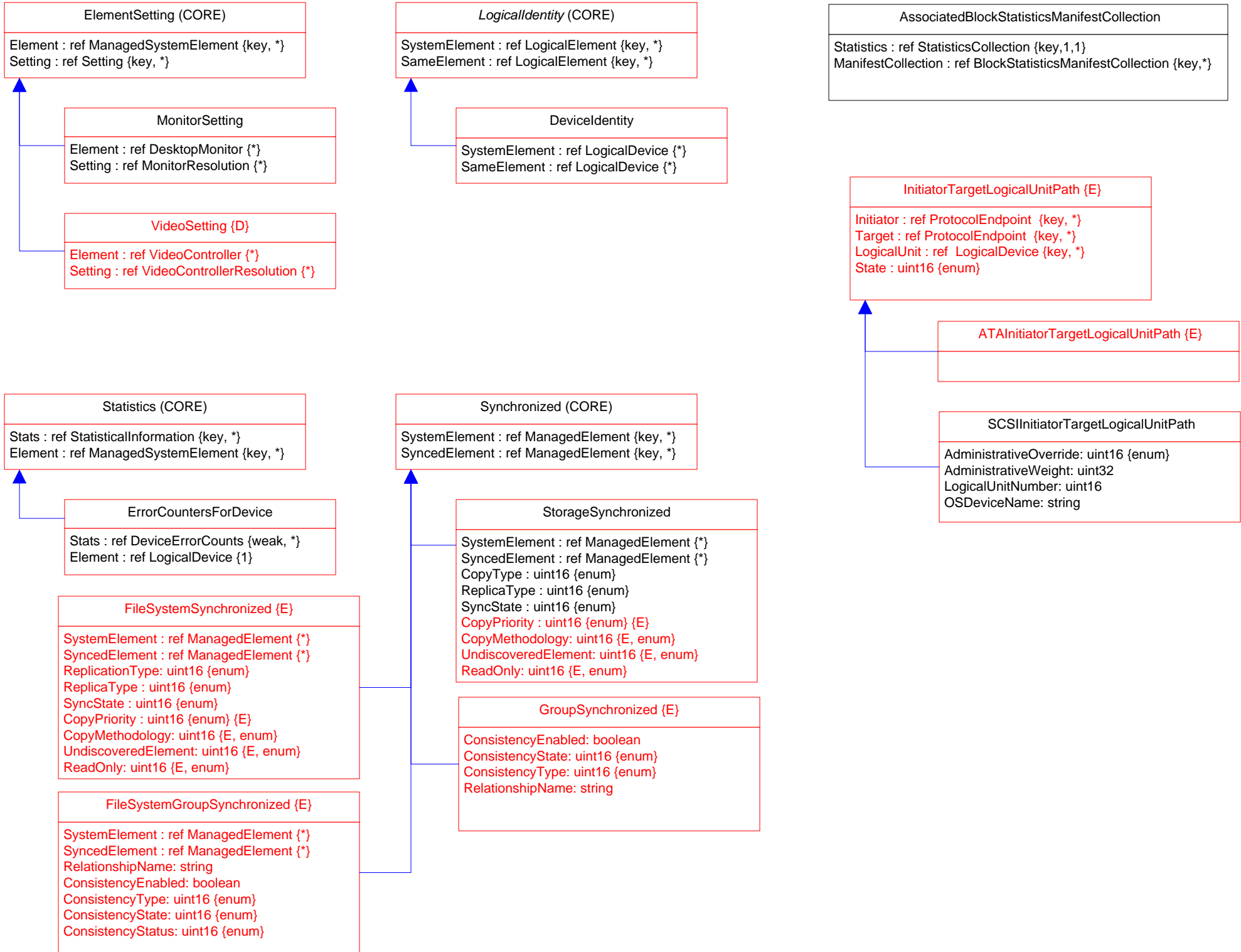


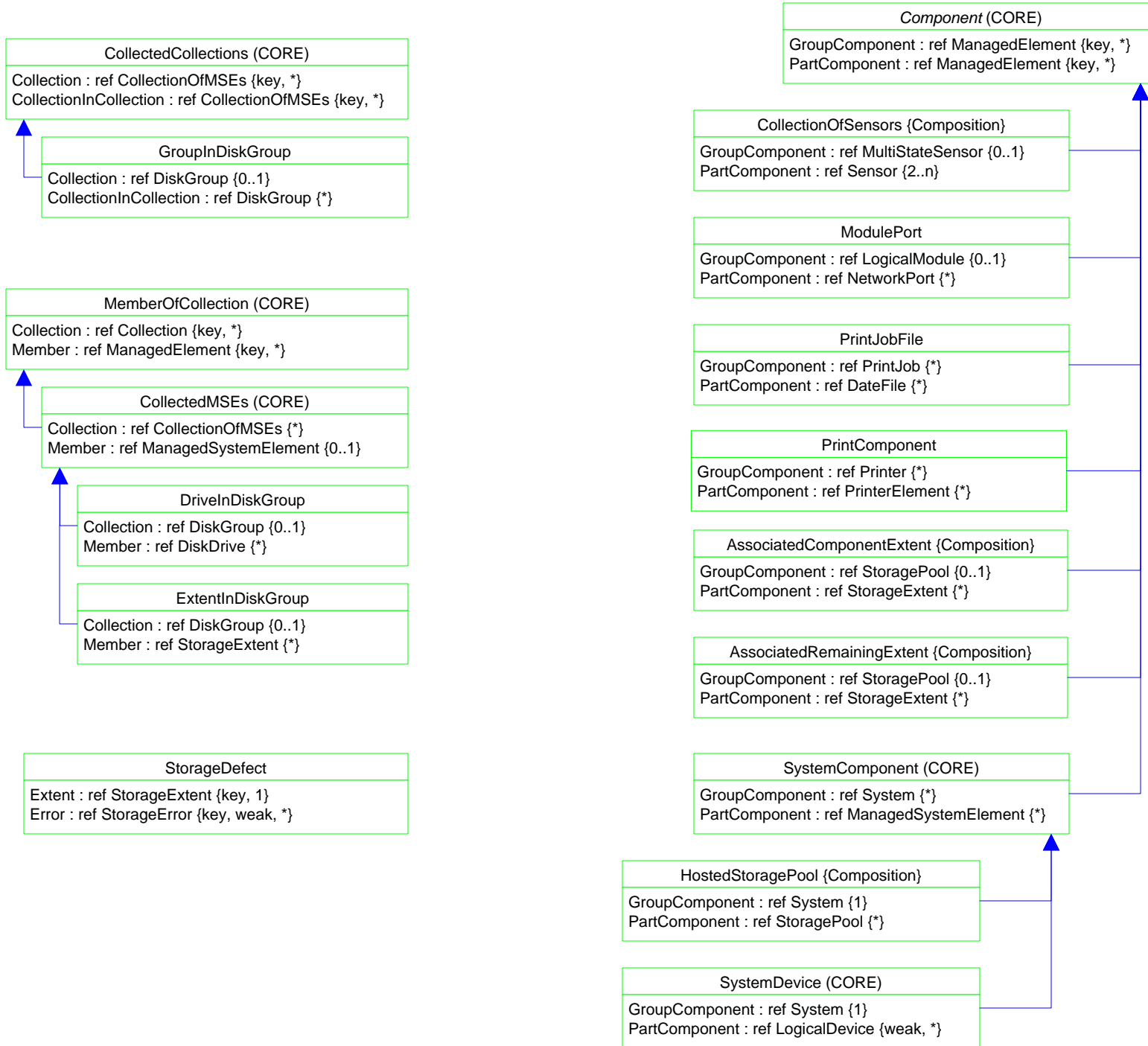


## Page 62 of 67: Aggregation Deprecation



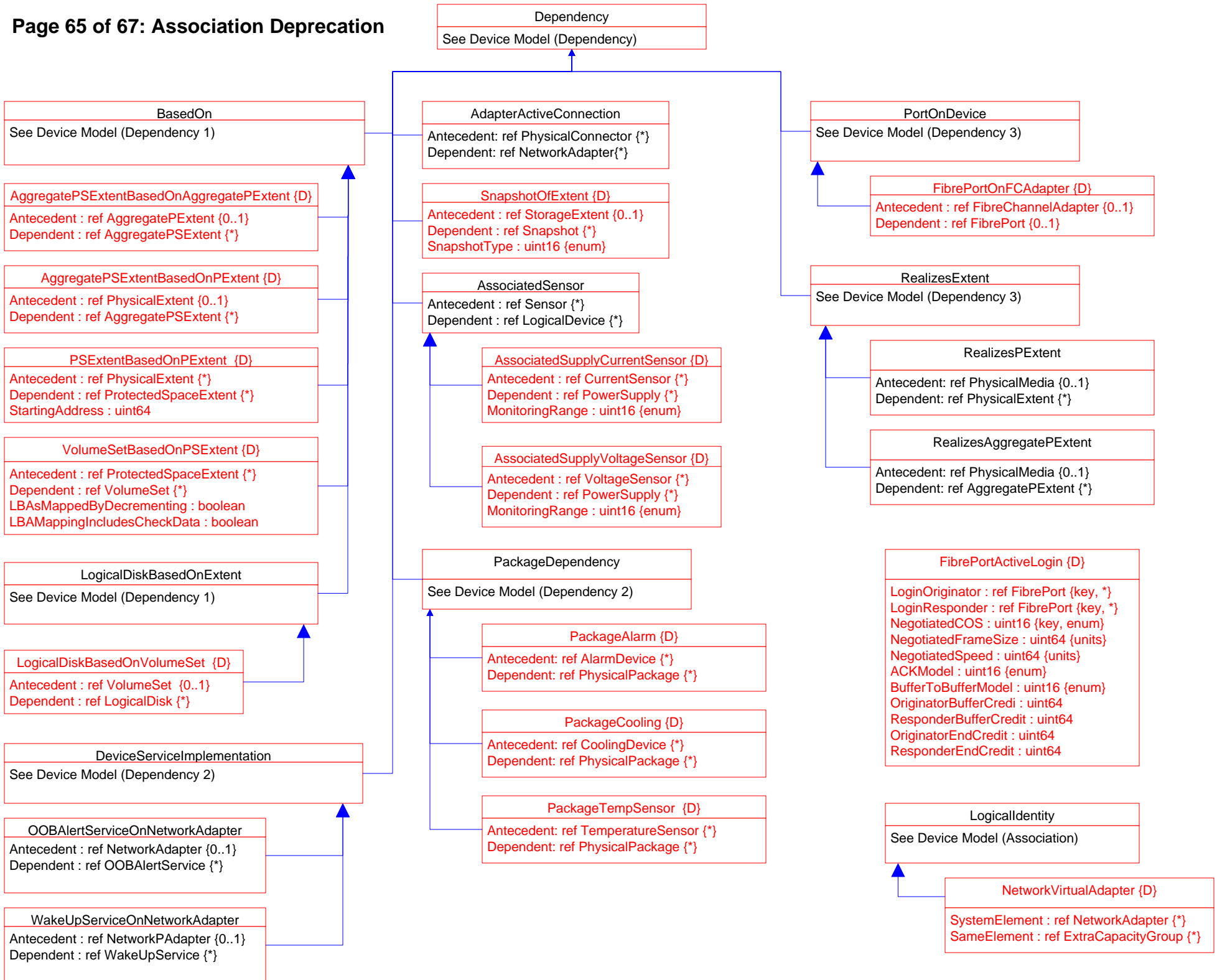
# Page 63 of 67: Association Hierarchy

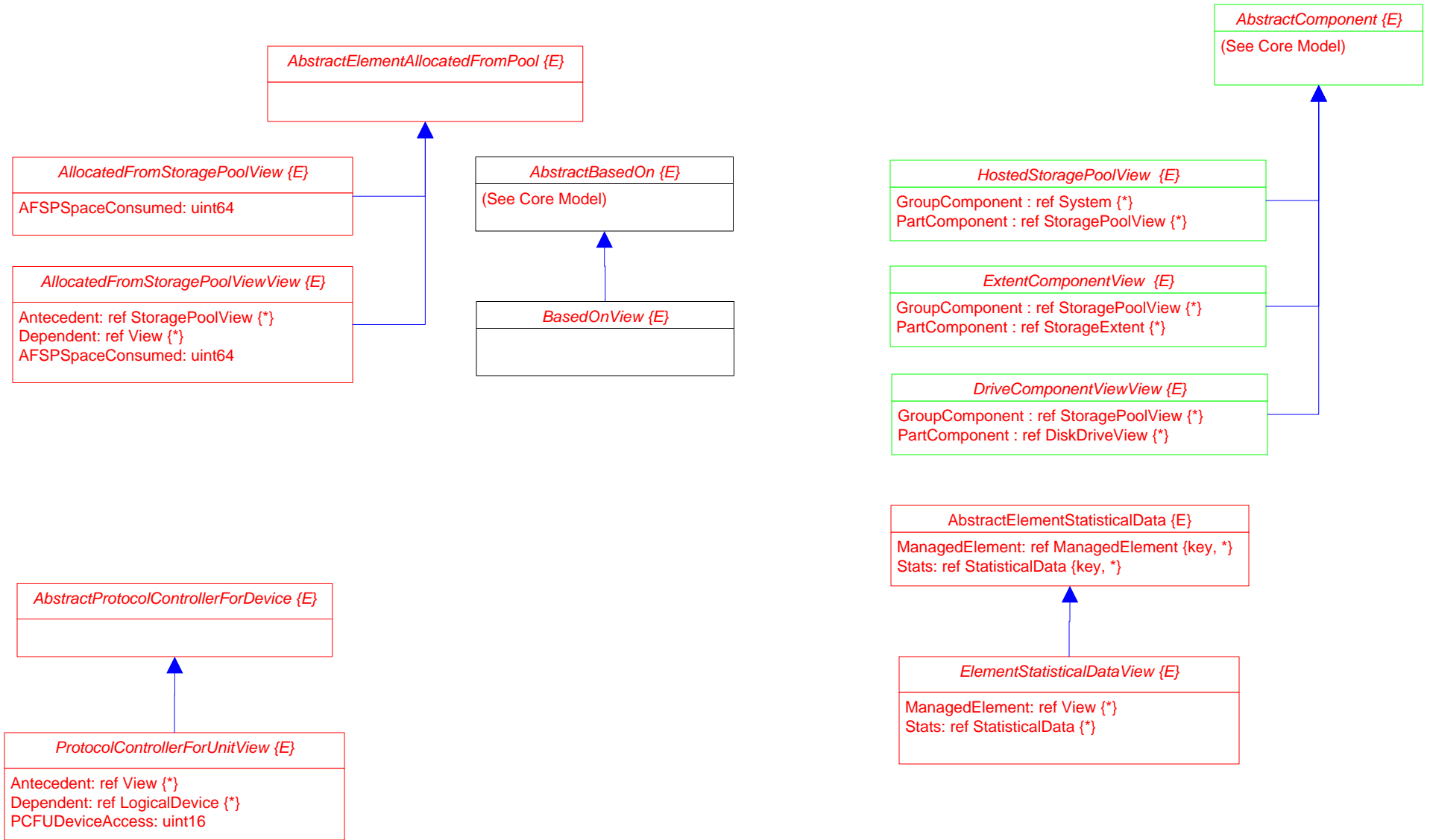






# Page 65 of 67: Association Deprecation





*MaskingMappingExposedDeviceView {E}*

ProtocolEndpoint: ref ProtocolEndpoint {\*}  
LogicalDevice: ref LogicalDevice {\*}  
SPCSystemCreationClassName: string  
SPCSystemName: string  
SPCCreationClassName: string  
SPCDeviceID: string  
PCFUDeviceNumber: string  
PCFUDeviceAccess: uint16

*MaskingMapView {E}*

StorageHardwareID: ref StorageHardwareID{\*}  
LogicalDevice: ref LogicalDevice {\*}  
ProtocolEndpoint: ref ProtocolEndpoint{\*}  
SHIDStorageID: string  
SHIDIDType: uint16  
LDDeviceID: string  
SPEPSystemCreationClassName: string  
SPEPCreationClassName: string  
SPEPSystemName: string  
SPEPName: string  
SPEPProtocolIFTType:  
SPEPOtherTypeDescription: string  
SPEPConnectionType:  
SPEPRole: uint16  
APIInstanceID: string  
APPPrivilegeGranted:  
APActivities[]: uint16  
APElementName: string  
SPCSystemCreationClassName: string  
SPCCreationClassName: string  
SPCSystemName: string  
SPCDeviceID: string  
PCFUDeviceNumber: string  
PCFUDeviceAccess: uint16