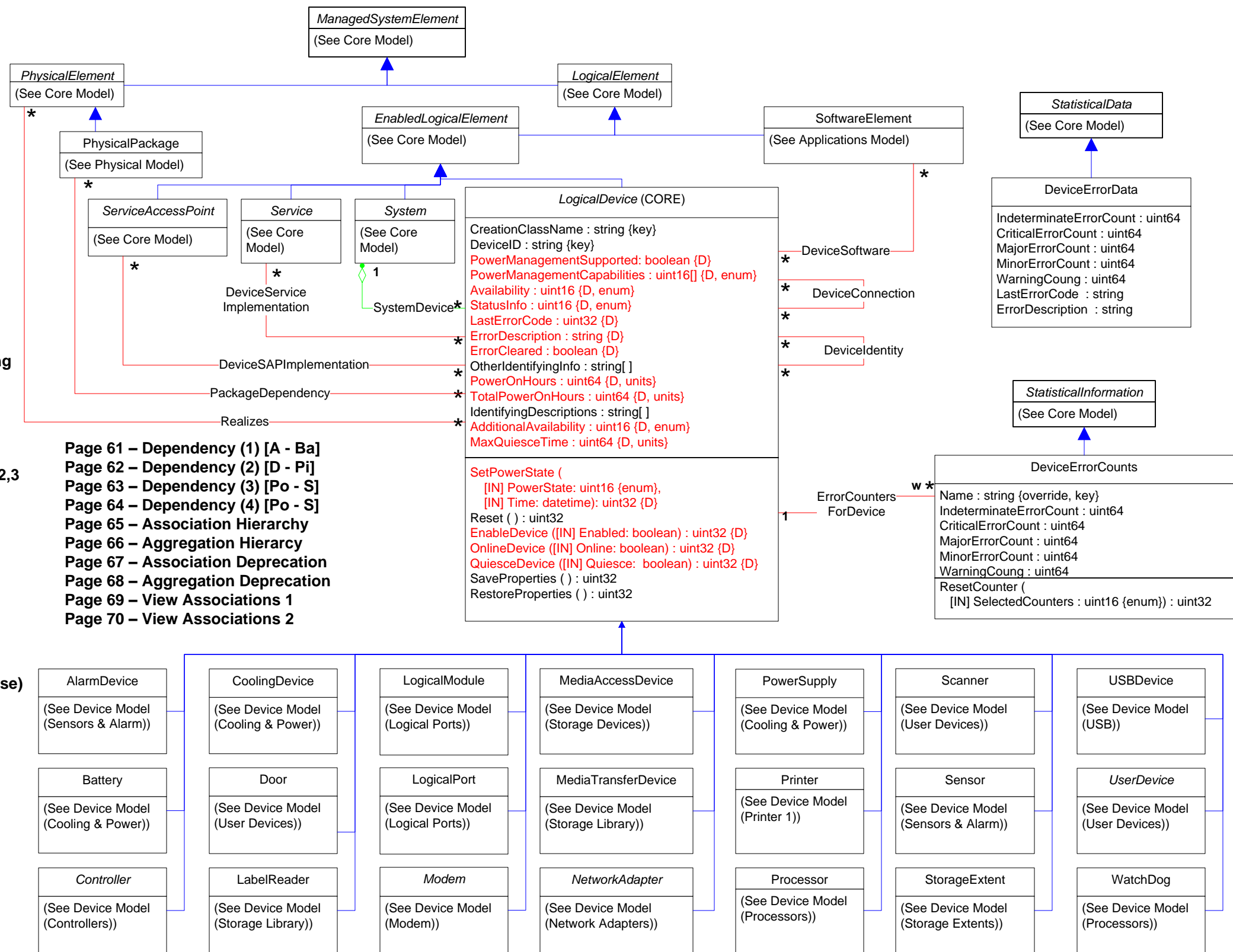






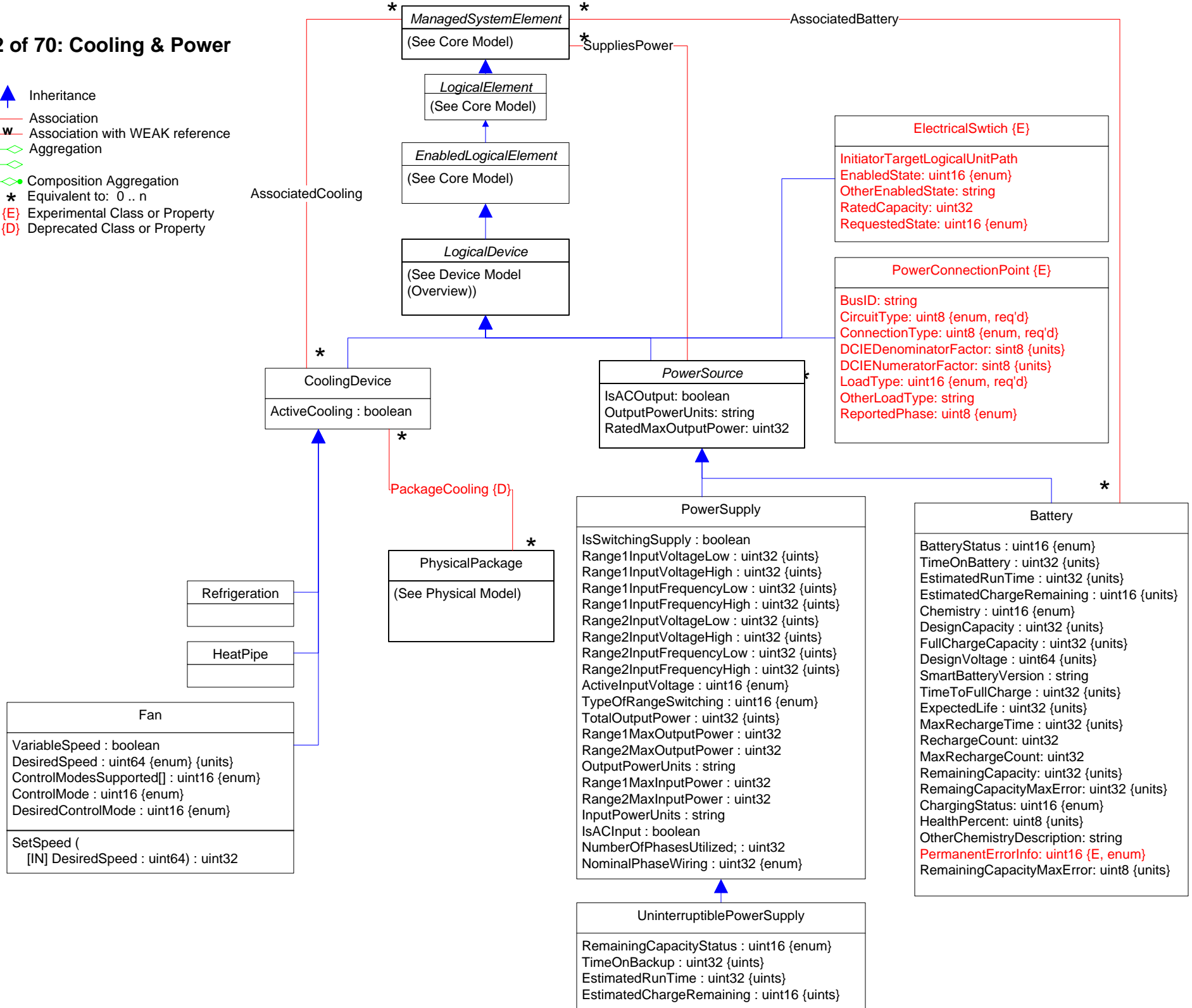


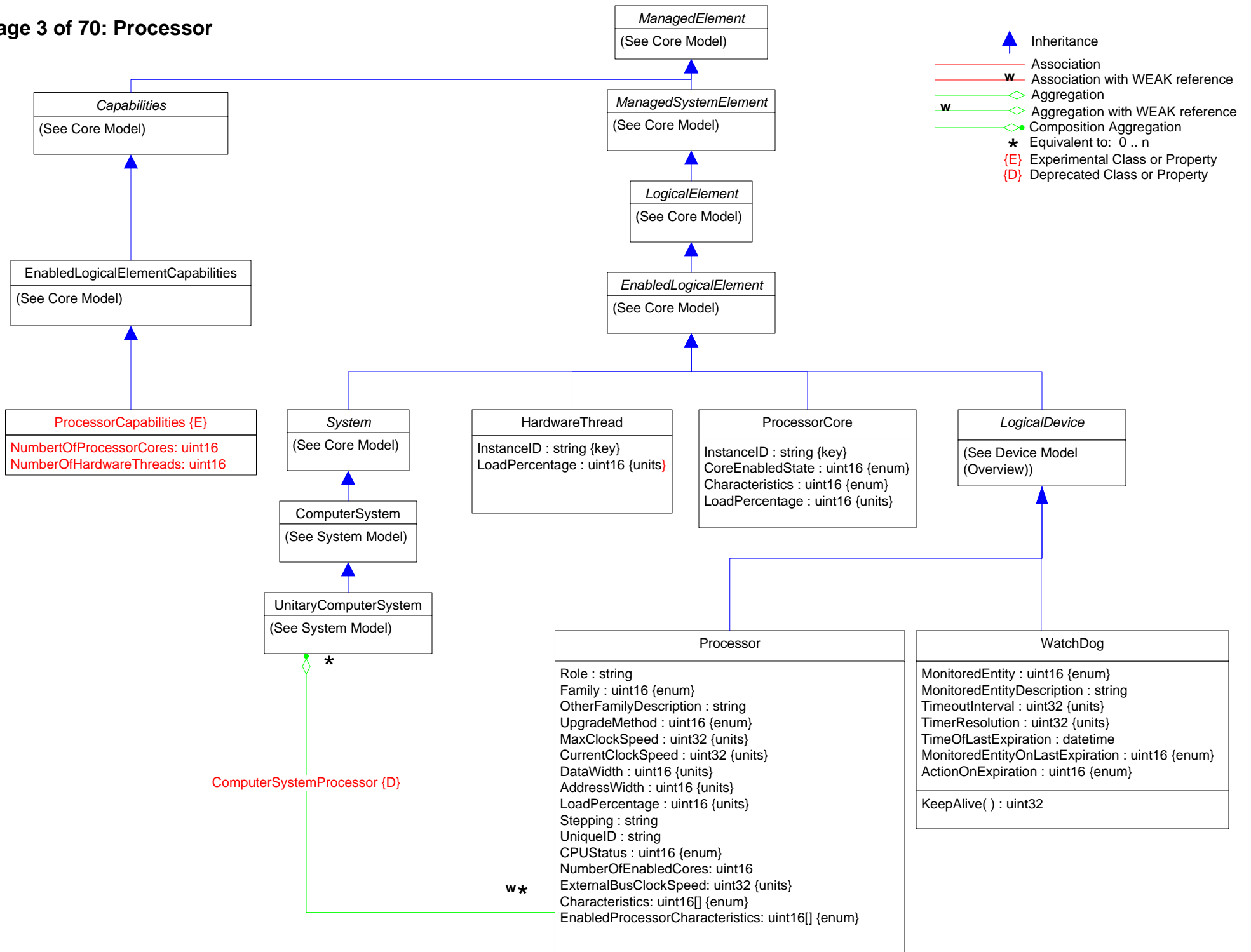
Page 1 – Overview
Page 2 – Cooling & Power
Page 3 – Processors
Page 4 – Controllers
Page 5 – Video Controllers
Page 6 – PCI Controllers
Page 7,8,9 – Logical Ports 1,2,3
Page 10 – Logical Port Group
Page 11 – Protocol Controllers
Page 12 – Network Adapters
Page 13 – Network Adapter Statistics
Page 14 – 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 – SCC Extent Model
Page 23,24,25,26,27 – Storage Services 1,2,3
Page 28 – Storage Tiers 1
Page 29 – Storage Tiers 2
Page 30 – Storage Protection
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 – Storage Diagnostics
Page 45 – User Devices (Keyboards, Mouse)
Page 46 – Displays
Page 47,48 – Memory
Page 49 – Modems
Page 50,51,52 – Printing 1,2,3
Page 53 – Sensors & Alarm
Page 54 – 7 USB
Page 55 – Disk Group
Page 56 – Device Sharing
Page 57 – LED
Page 58 – WiFi Services
Page 59 – VTL
Page 60 – Operational Power












Page 2 of 70: Cooling & Power

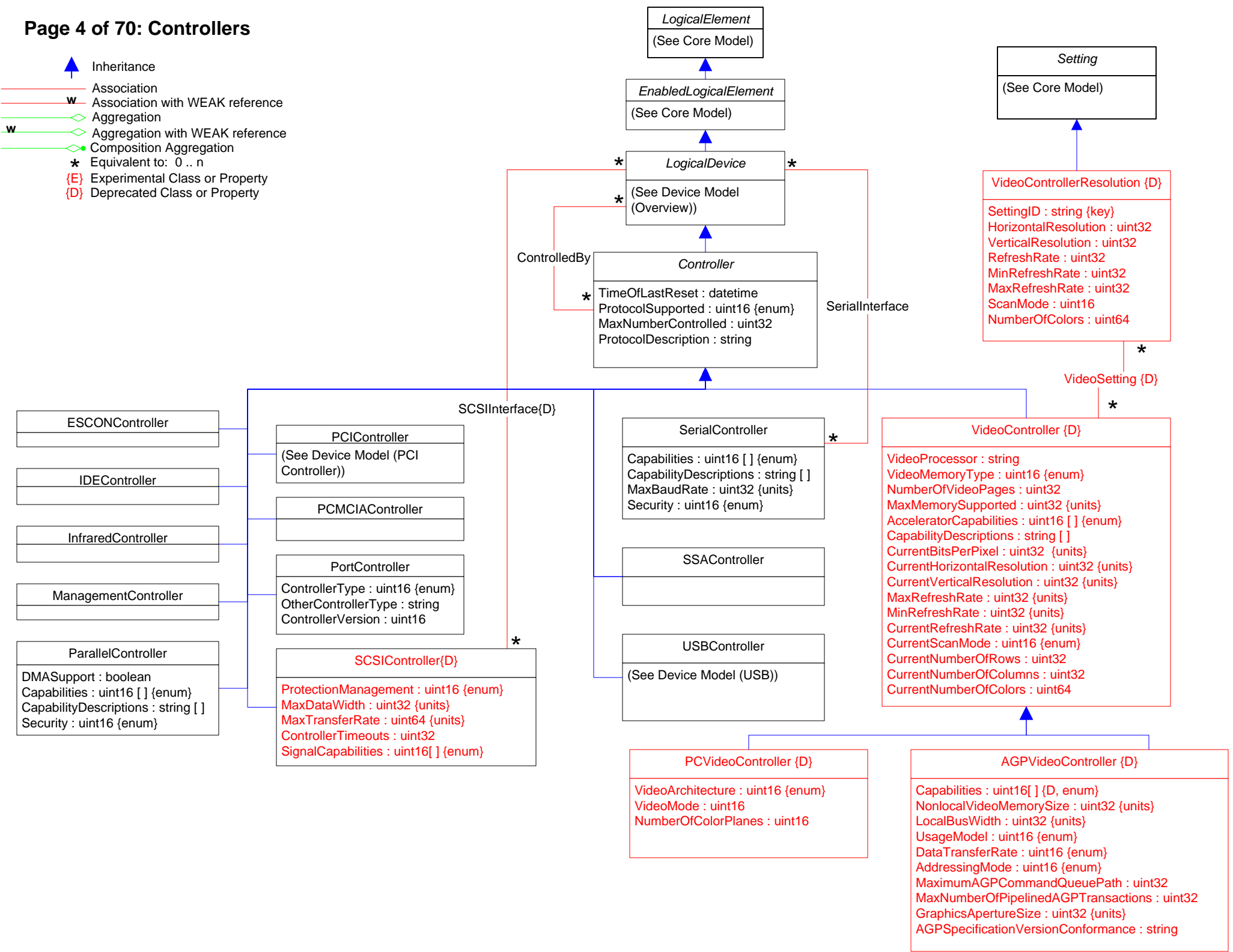
-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Composition Aggregation
-  Equivalent to: 0..n
- (E) Experimental Class or Property
- (D) Deprecated Class or Property












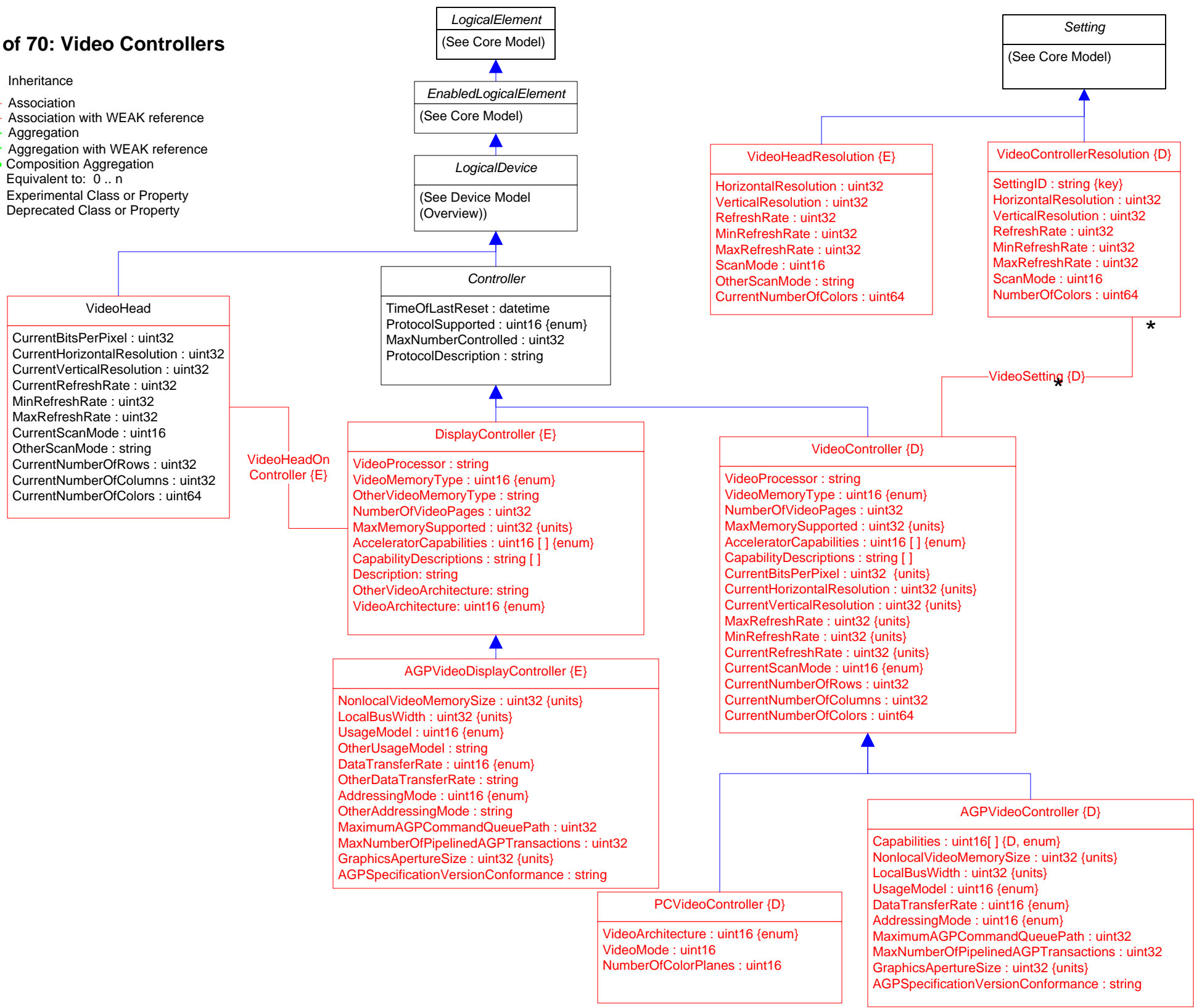


Page 4 of 70: Controllers










-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
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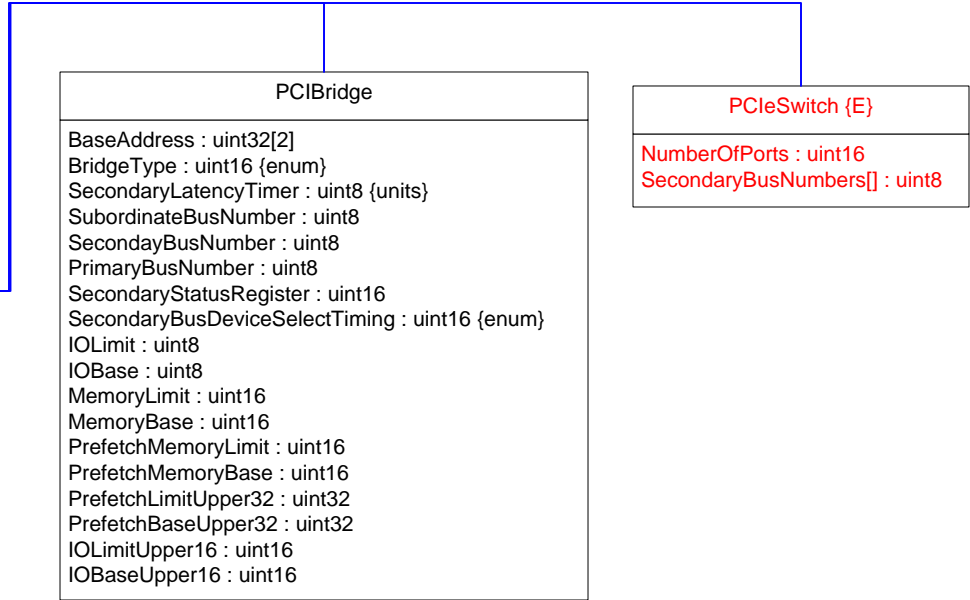
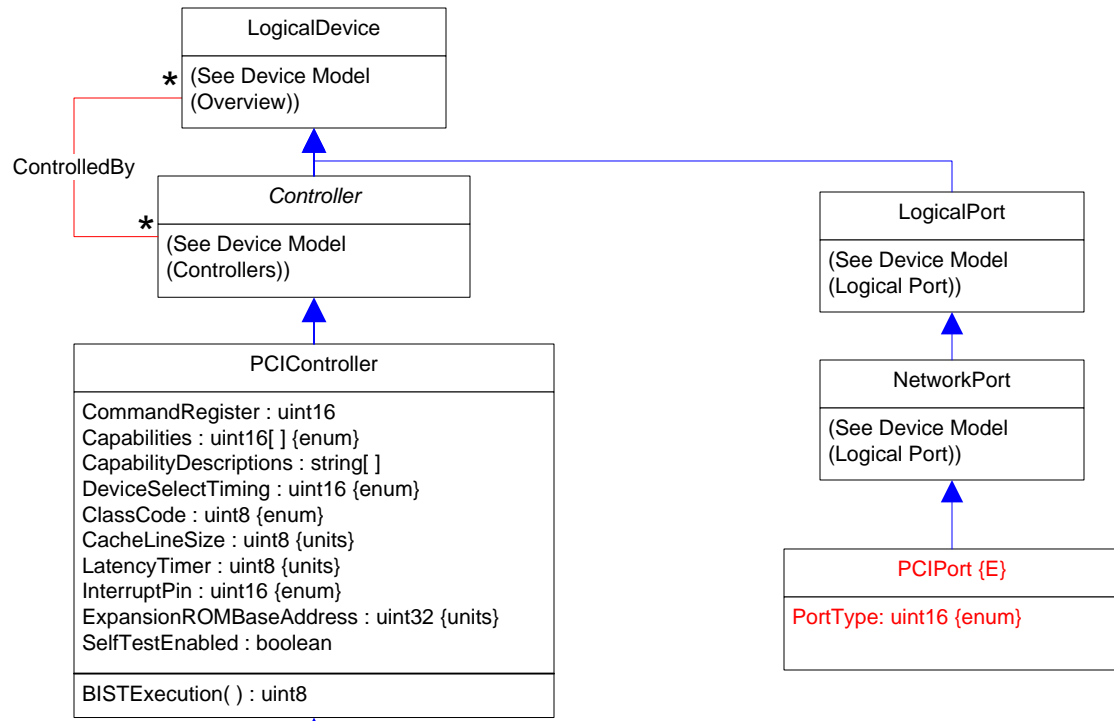
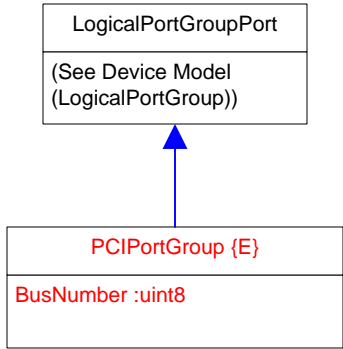


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-  Aggregation with WEAK reference
-  Composition Aggregation
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Page 6 of 70: PCI Controllers

-  Inheritance
-  Association
-  Association with WEAK reference
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-  Aggregation with WEAK reference
-  Composition Aggregation
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ManagedSystemElement
(See Core Model)

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

Capabilities
(See Core Model)

PhysicalElement
(See Core Model)

LogicalElement
(See Core Model)

EnabledLogicalElement
(See Core Model)

LogicalPortCapabilities
RequestedSpeedsSupported[] : uint16
AutoSenseSpeedConfigurable : boolean

ServiceAccessPoint
(See Core Model)

LogicalDevice
(See Device Model (Overview))

Service
(See Core Model)

SettingDate
(See Core Model)

PhysicalConnector
(See Physical Model)

ProtocolEndpoint
(See Core Model)

LogicalPort
Speed : uint64 {units}
MaxSpeed : uint64 {units}
RequestedSpeed : uint64 {write}
UsageRestriction : uint16 {enum}
PortType : uint16 {enum}
OtherPortType : string

LogicalModule
ModuleNumber : uint16
LogicalModuleType : uint16 {enum} {E}
OtherLogicalModuleTypeDescription : string {E}

PassThroughModule {E}
LinkTechnologies : uint16 [] {enum}
OtherLinkTechnologies : string []
IsProgrammable : boolean
NumberOfPorts : uint16
InternalPorts : uint16 []
ExternalPorts : uint16 []

AssignPorts ([IN] Mapped : boolean, [IN] InternalPort : uint16 [IN] ExternalPort : uint16) : uint32

LogicalPortSettings
RequestedSpeed : uint64
AutoSenseSpeed : boolean

PortActive Connection

FibrePort {D}
(See Device Model (Network Adapter))

USBPort
(See Device Model (USB))

NetworkPort
PortNumber : uint16
LinkTechnology : uint16 {enum}
OtherLinkTechnology : string
PermanentAddress : string
NetworkAddresses : string []
FullDuplex : boolean
AutoSense : boolean
SupportedMaximumTransmissionUnit : uint64 {units}
ActiveMaximumTransmissionUnit : uint64 {units}
OtherNetworkPortType : string {D}

OOBAlertService
(See System Model)

WakeUpService
(See System Model)

NetworkPortSettings
LinkTechnology : uint16 {enum}
NetworkIDs : string []

SerialPort {E}
NumberOfStopBits : uint16
ParityInfo : uint16 {enum}
FlowControlInfo : uint16 {enum}

FCPortSettings
RequestedType : uint16 {enum}

WiFiPort
MaxSpeed : uint64 {override, units}
PermanentAddress : string {override}
PortType : uint16 {override, enum}
Speed : uint64 {override, units}
NetworkAddresses : string [] {override}

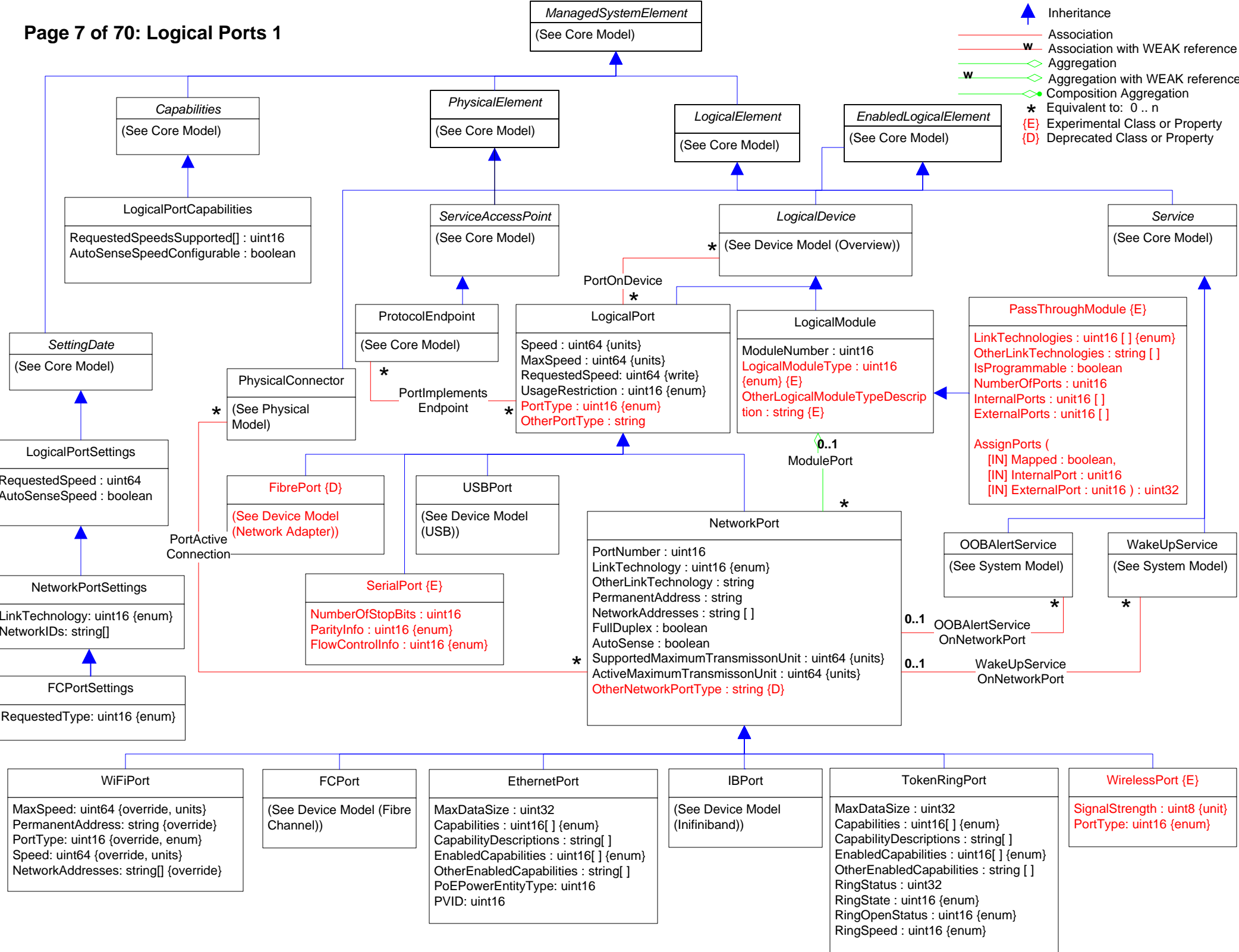
FCPort
(See Device Model (Fibre Channel))

EthernetPort
MaxDataSize : uint32
Capabilities : uint16 [] {enum}
CapabilityDescriptions : string []
EnabledCapabilities : uint16 [] {enum}
OtherEnabledCapabilities : string []
PoEPowerEntityType : uint16
PVID : uint16

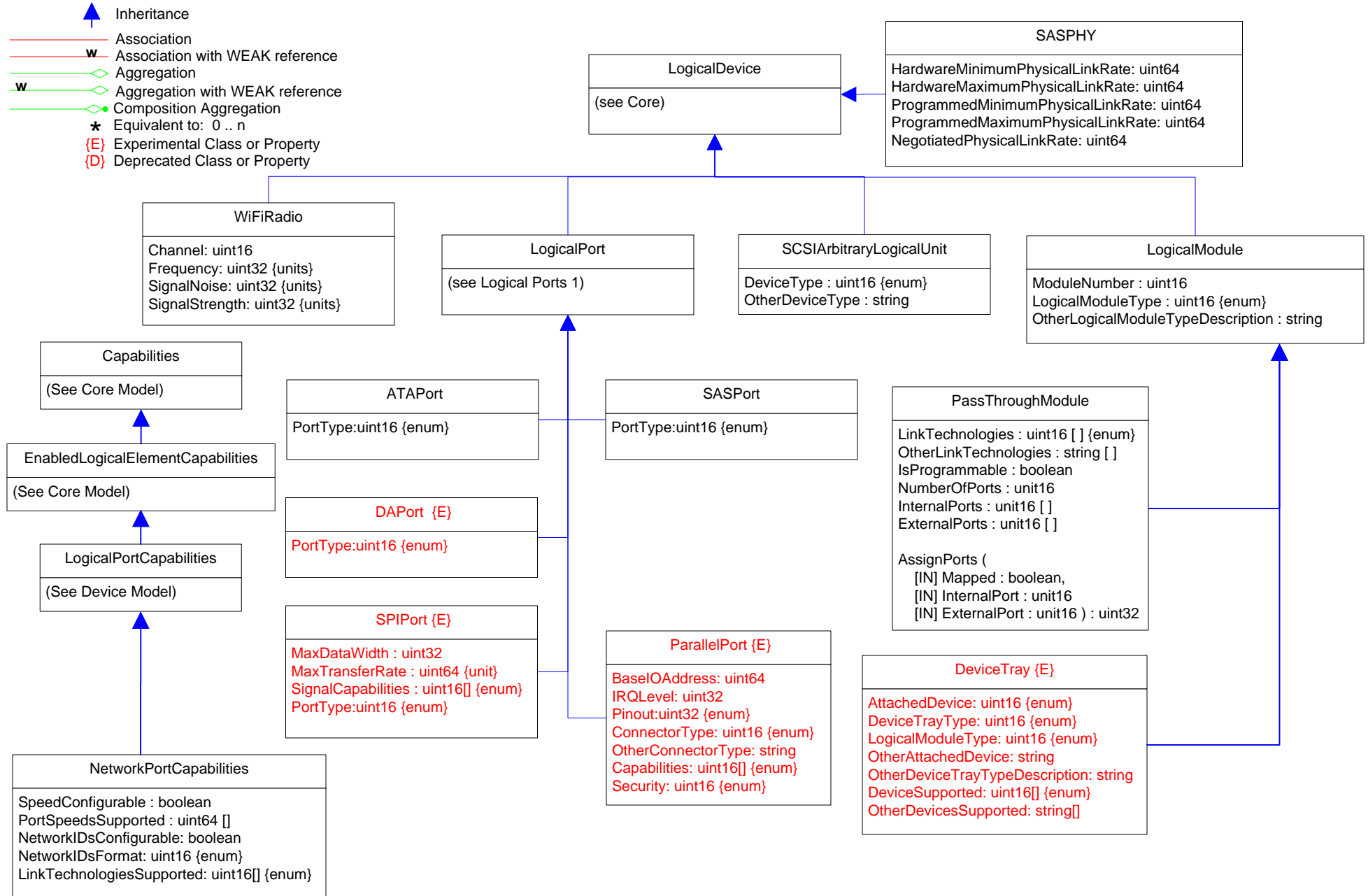
IBPort
(See Device Model (Infiniband))










TokenRingPort
MaxDataSize : uint32
Capabilities : uint16 [] {enum}
CapabilityDescriptions : string []
EnabledCapabilities : uint16 [] {enum}
OtherEnabledCapabilities : string []
RingStatus : uint32
RingState : uint16 {enum}
RingOpenStatus : uint16 {enum}
RingSpeed : uint16 {enum}

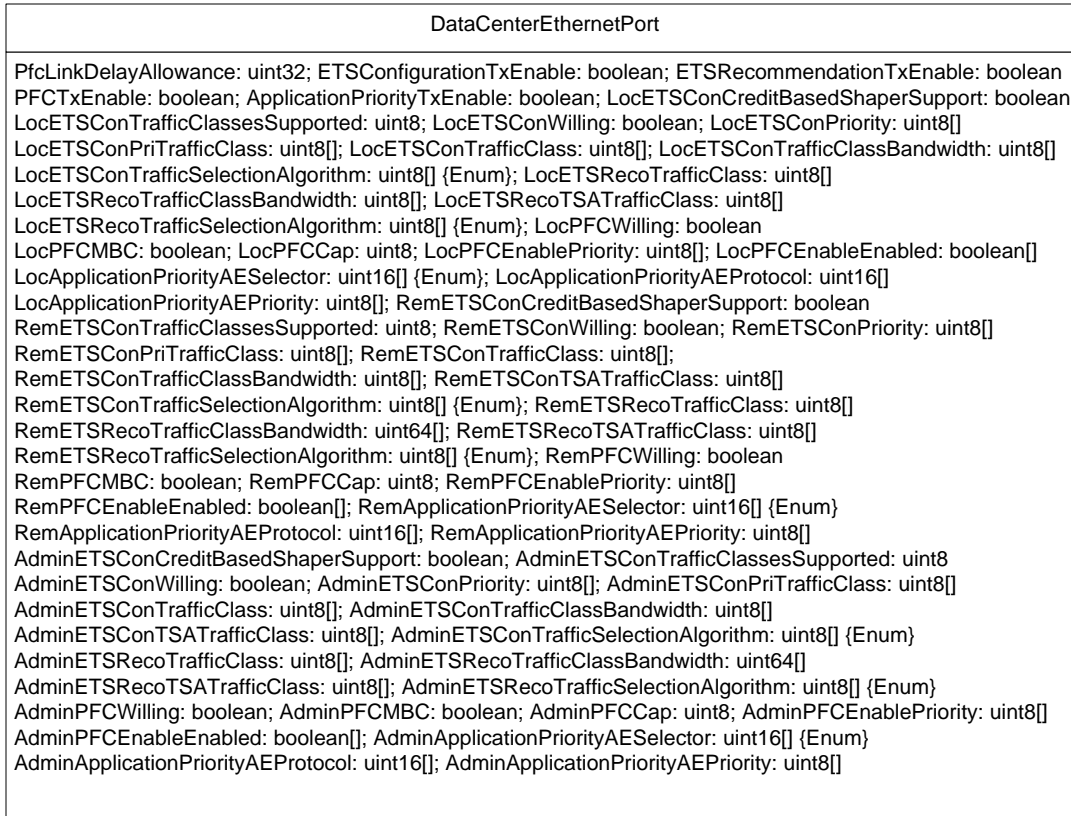
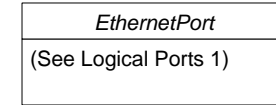
WirelessPort {E}
SignalStrength : uint8 {unit}
PortType : uint16 {enum}

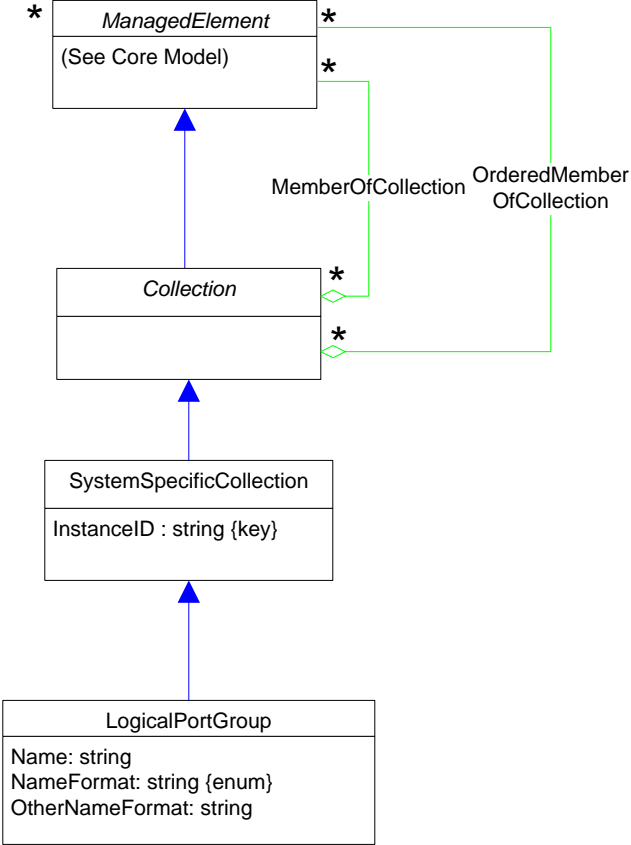


Page 8 of 70: Logical Ports 2

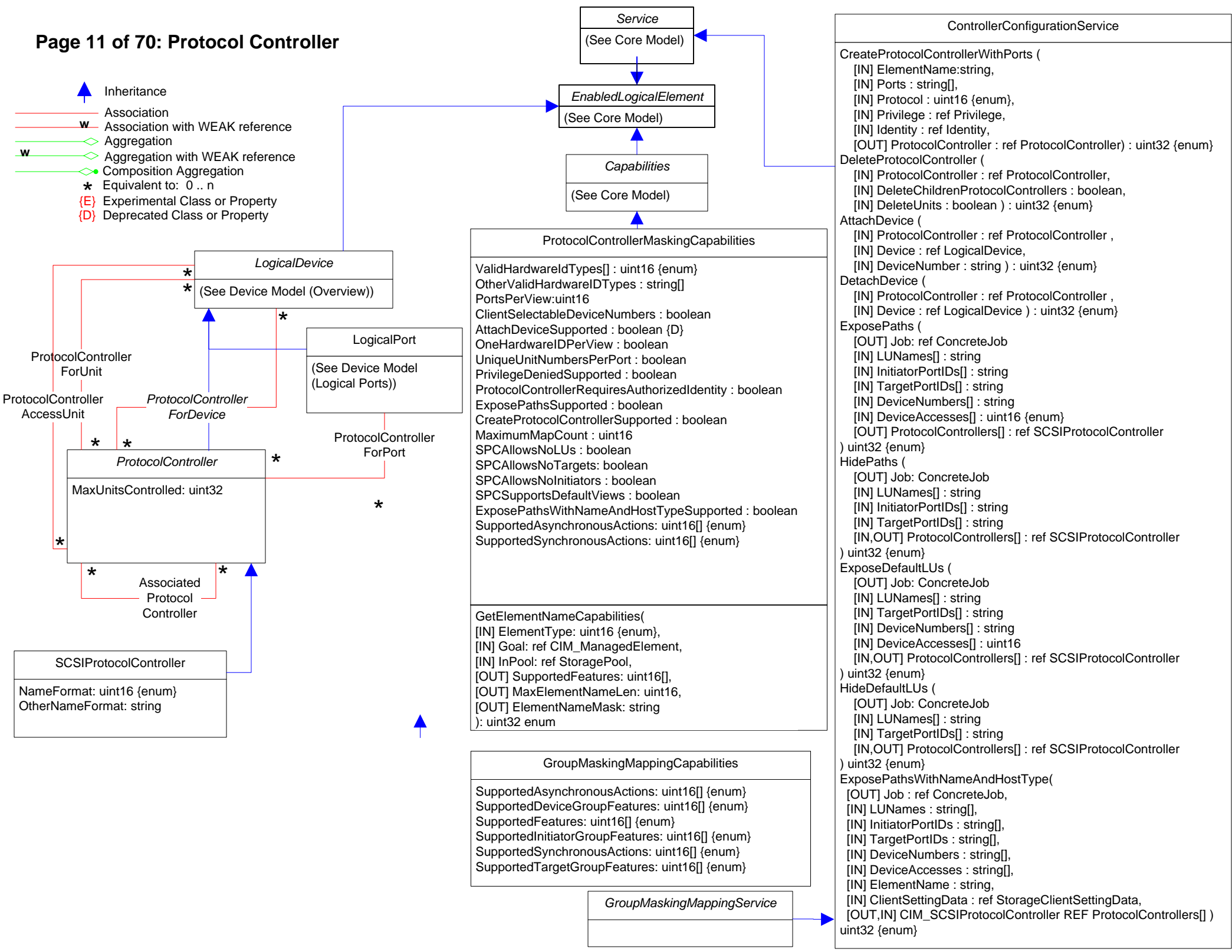


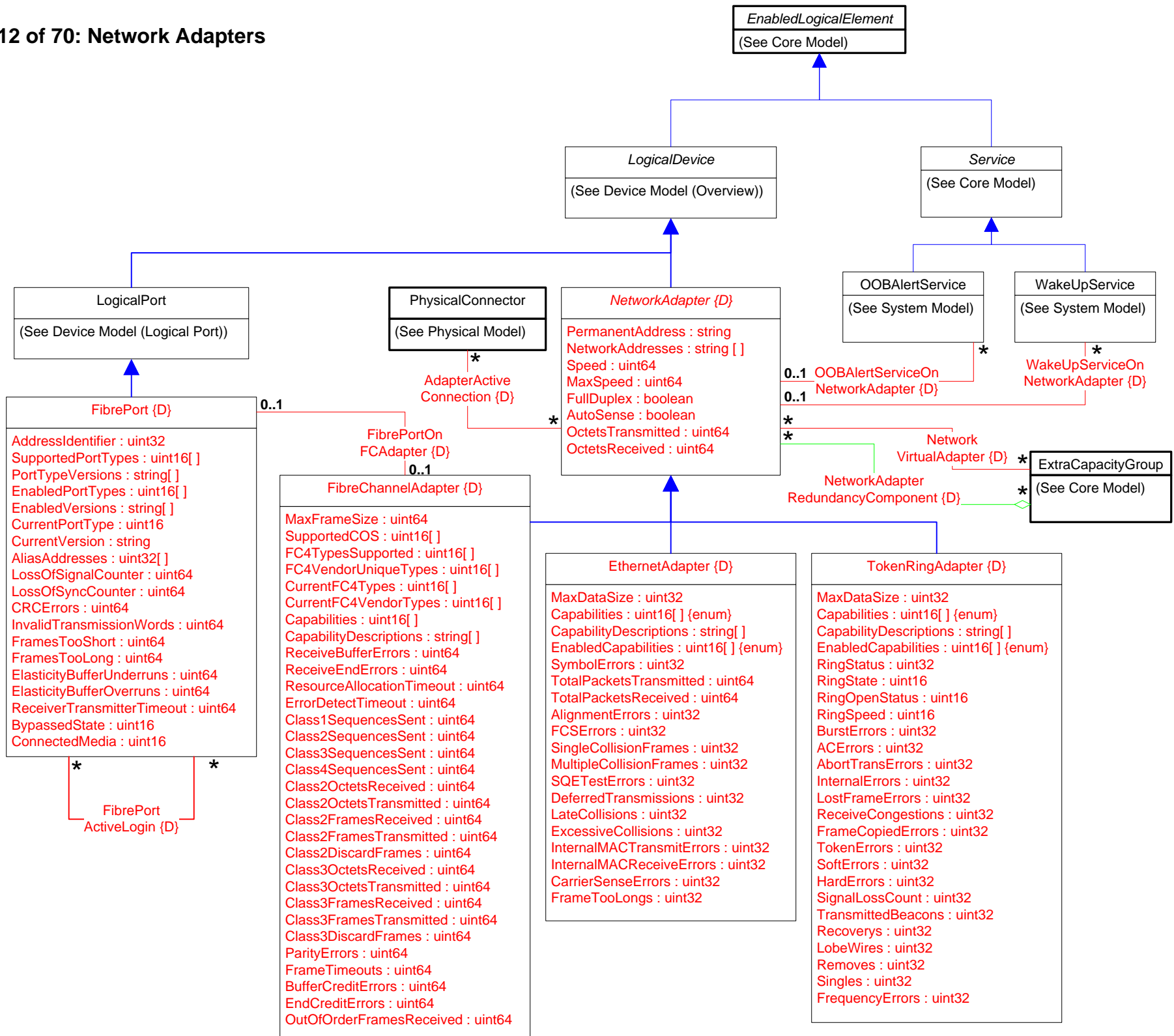
-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0 .. n
-  Experimental Class or Property
-  Deprecated Class or Property

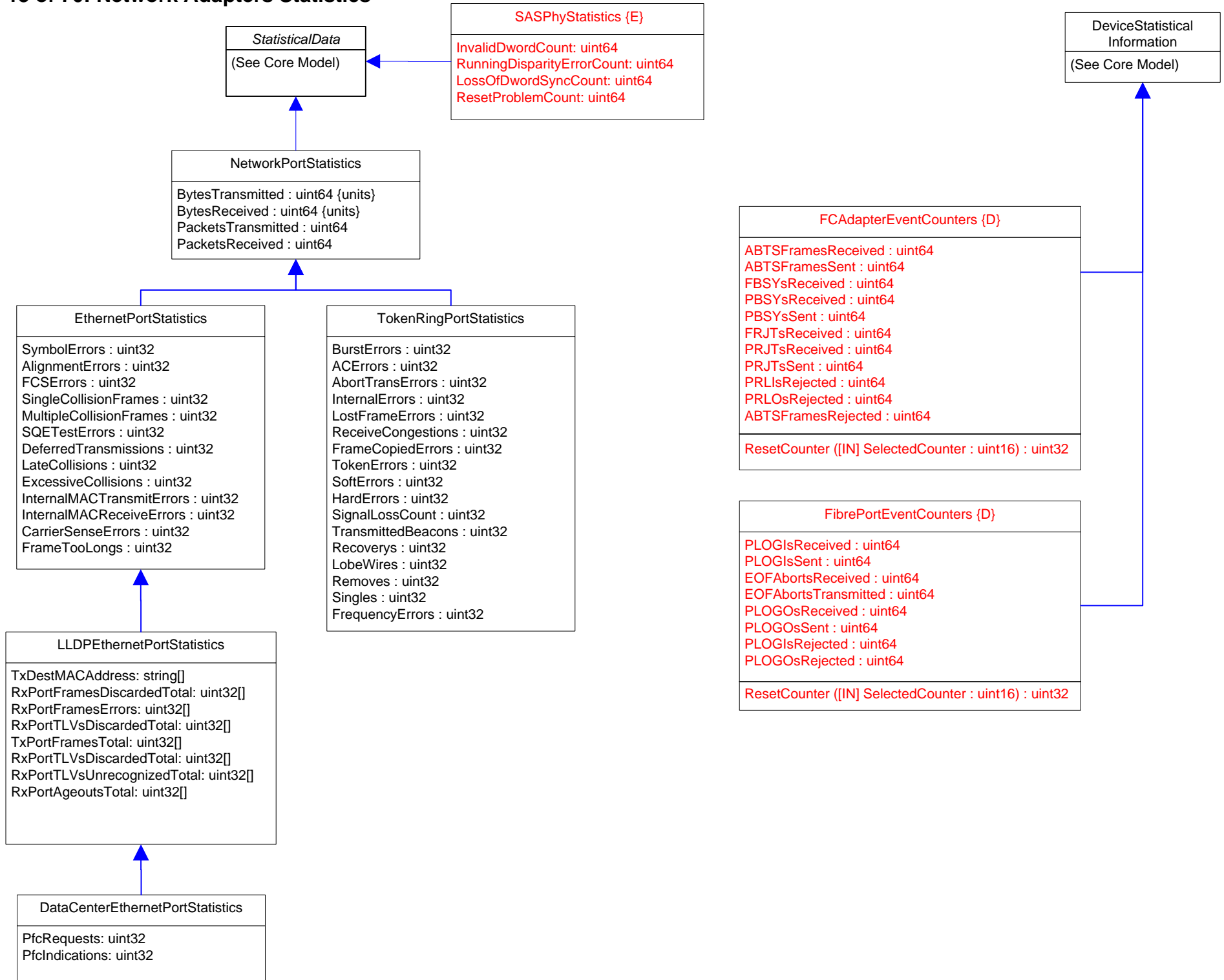













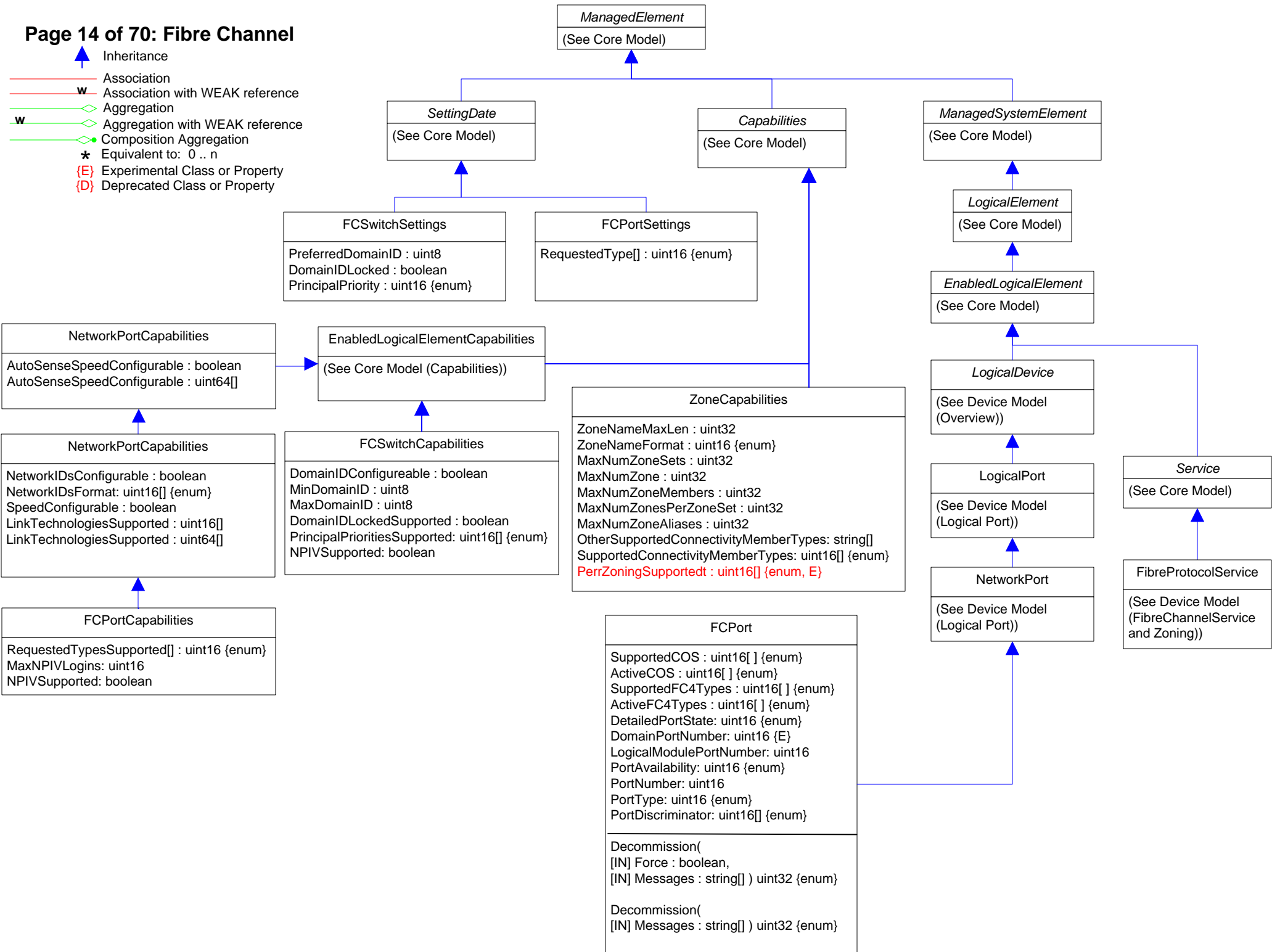
- ▲ Inheritance
- Association
- w Association with WEAK reference
- ◇ Aggregation
- w◇ Aggregation with WEAK reference
- ◊ Composition Aggregation
- * Equivalent to: 0..n
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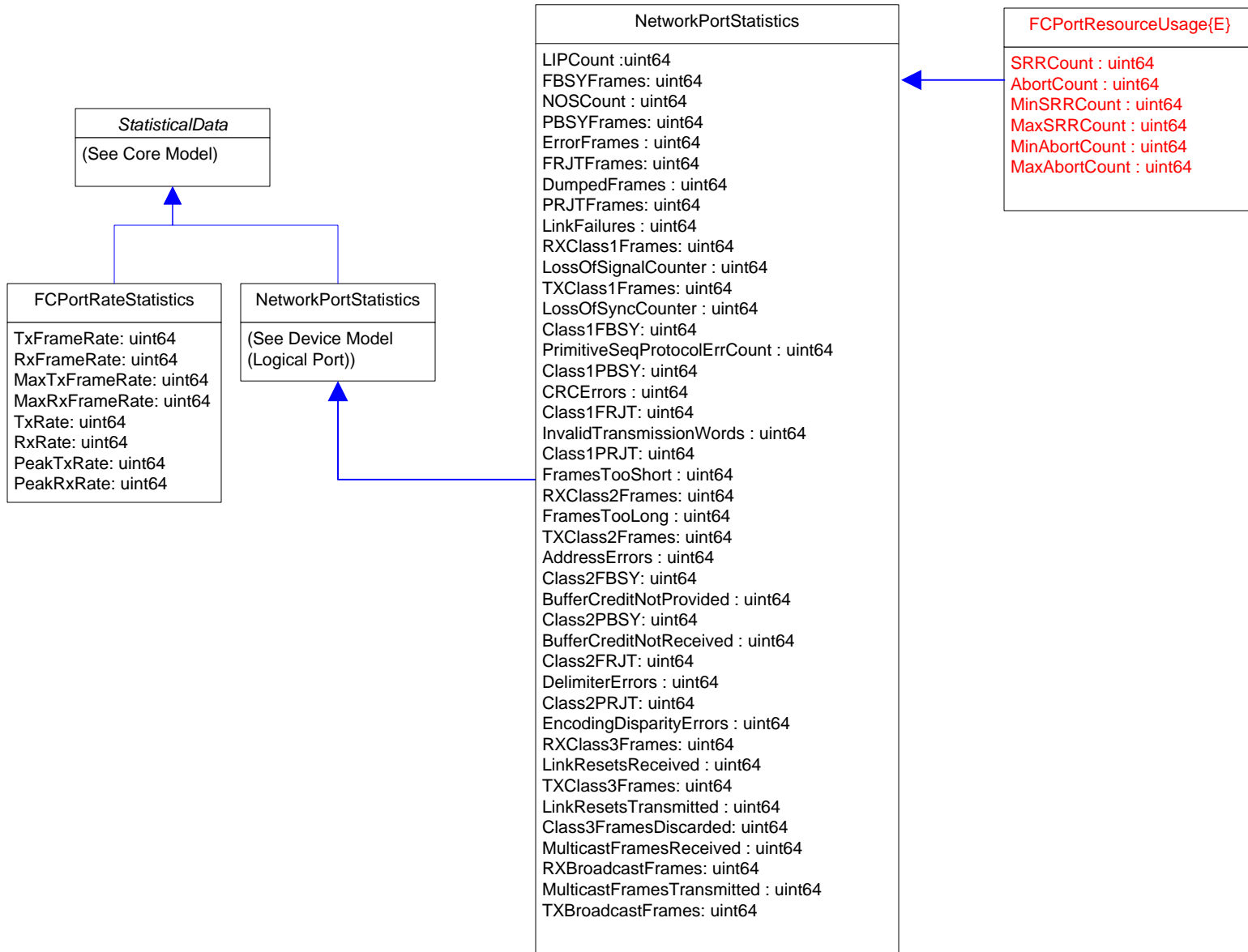













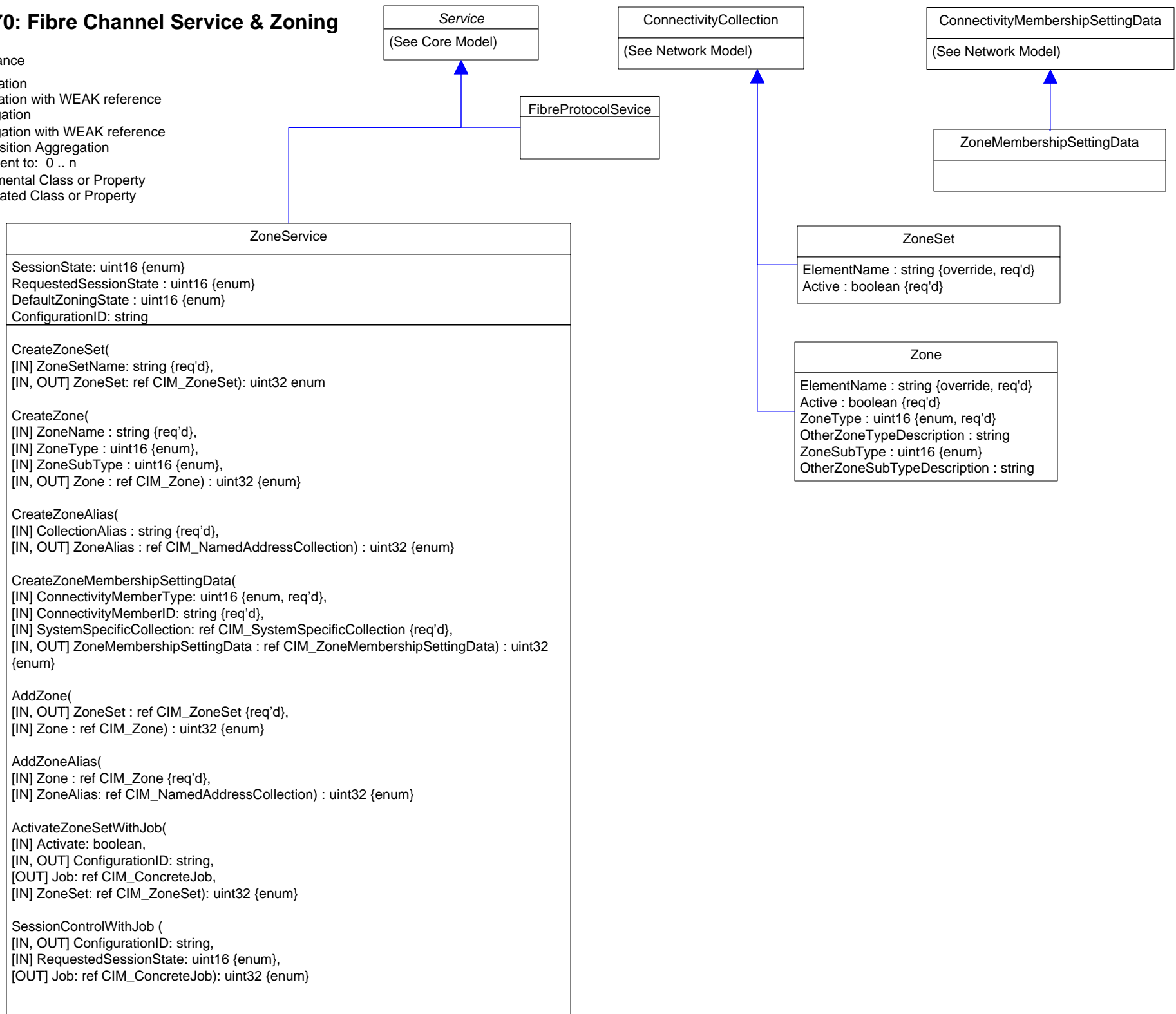











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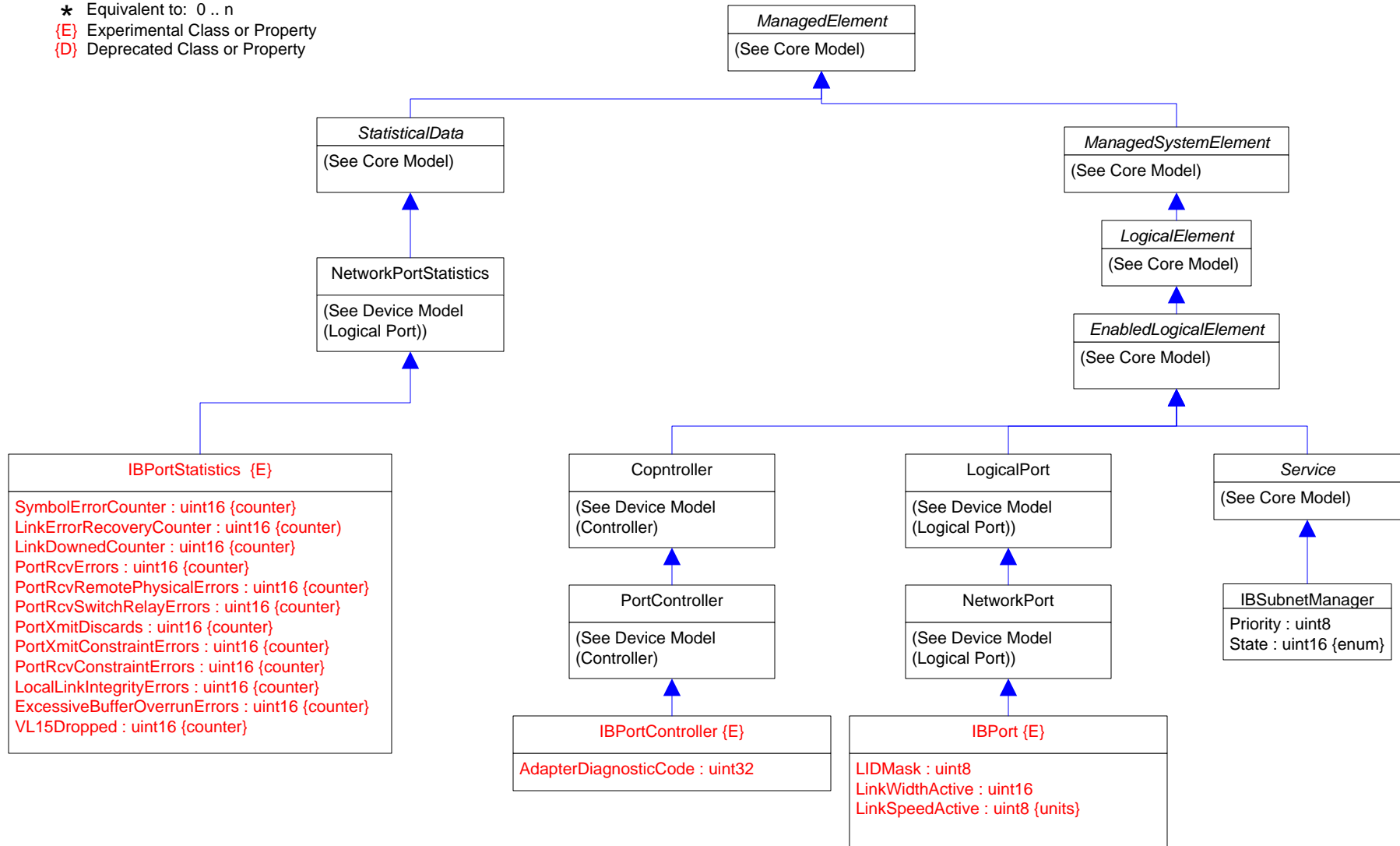













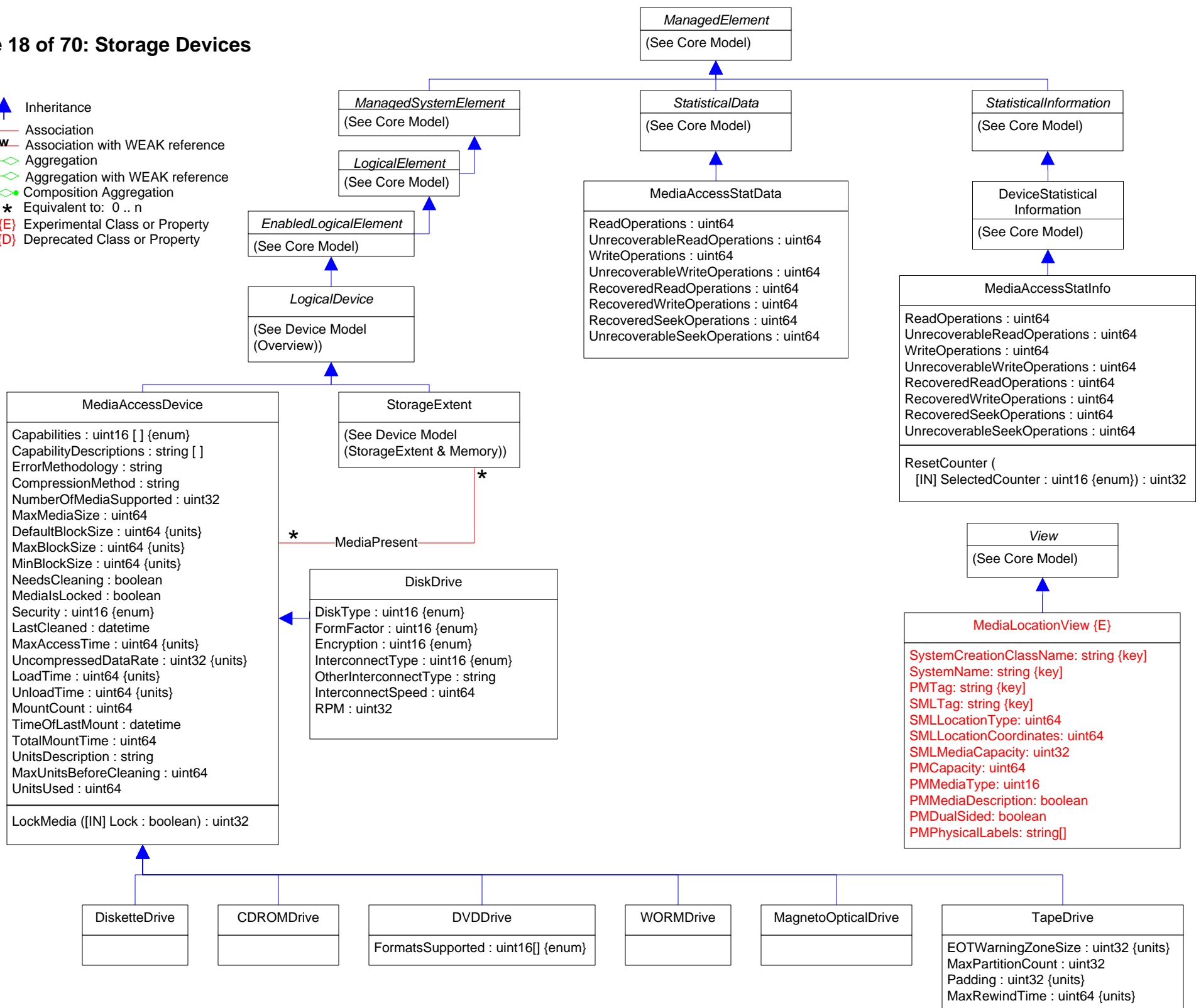
-  Inheritance
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-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
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-  Inheritance
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Page 19 of 70: Storage Multipath

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

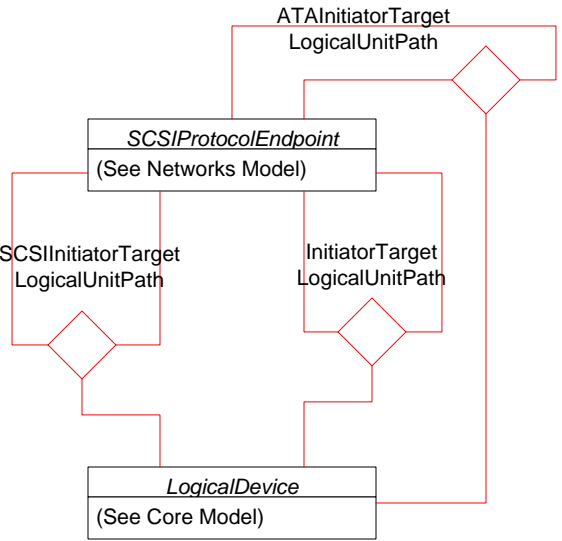
SCSIMultipathConfigurationCapabilities

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)

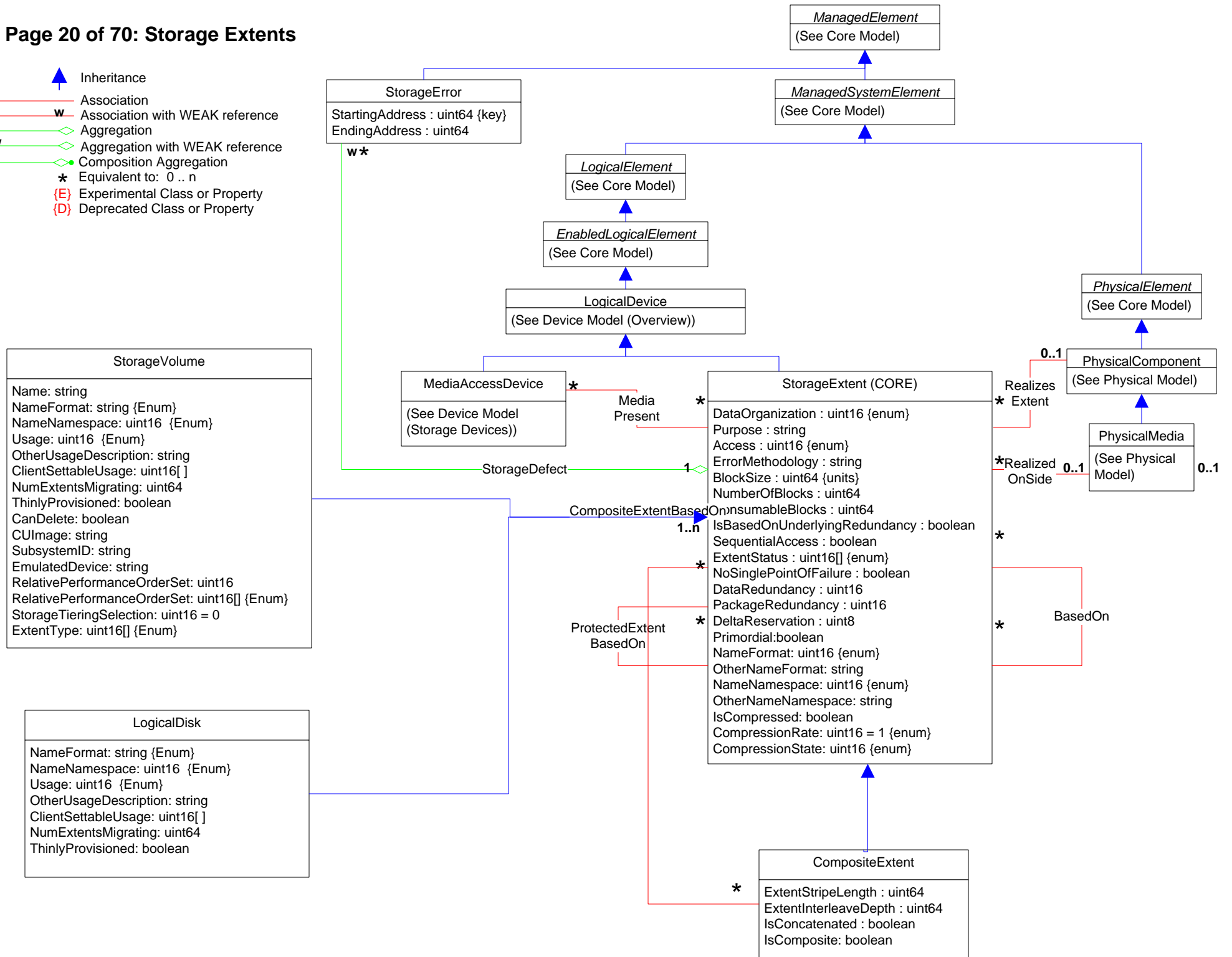
SCSIMultipathSettings

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



Page 20 of 70: Storage Extents

- Inheritance
- Association
- Association with WEAK reference
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Capabilities
(See core model)

DiskPartitionConfigurationCapabilities

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

StorageElementCompositionCapabilities

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}

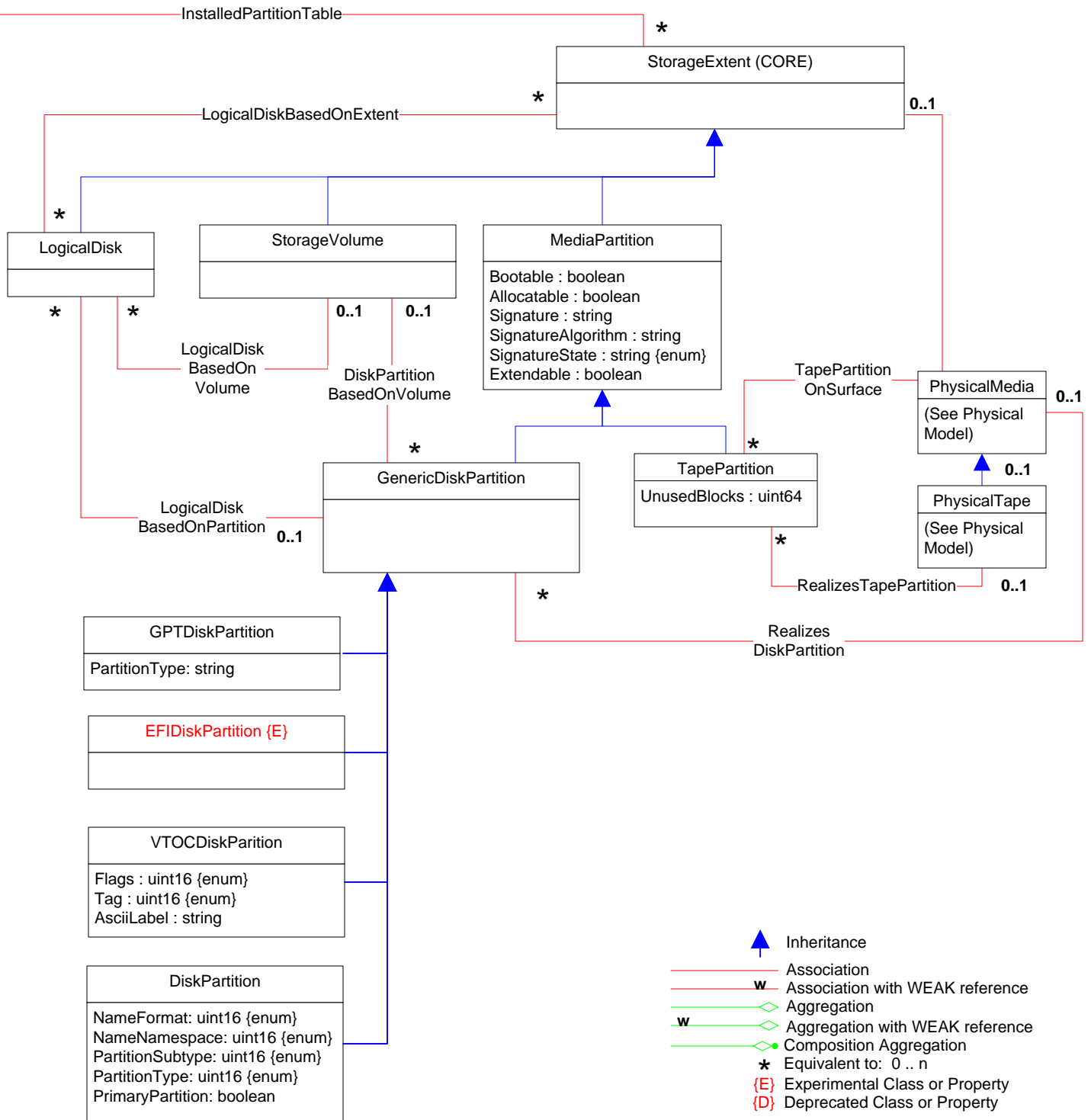
Service
(See Core model)

DiskPartitionConfigurationService

PartitioningSchemes : uint16 {enum}

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

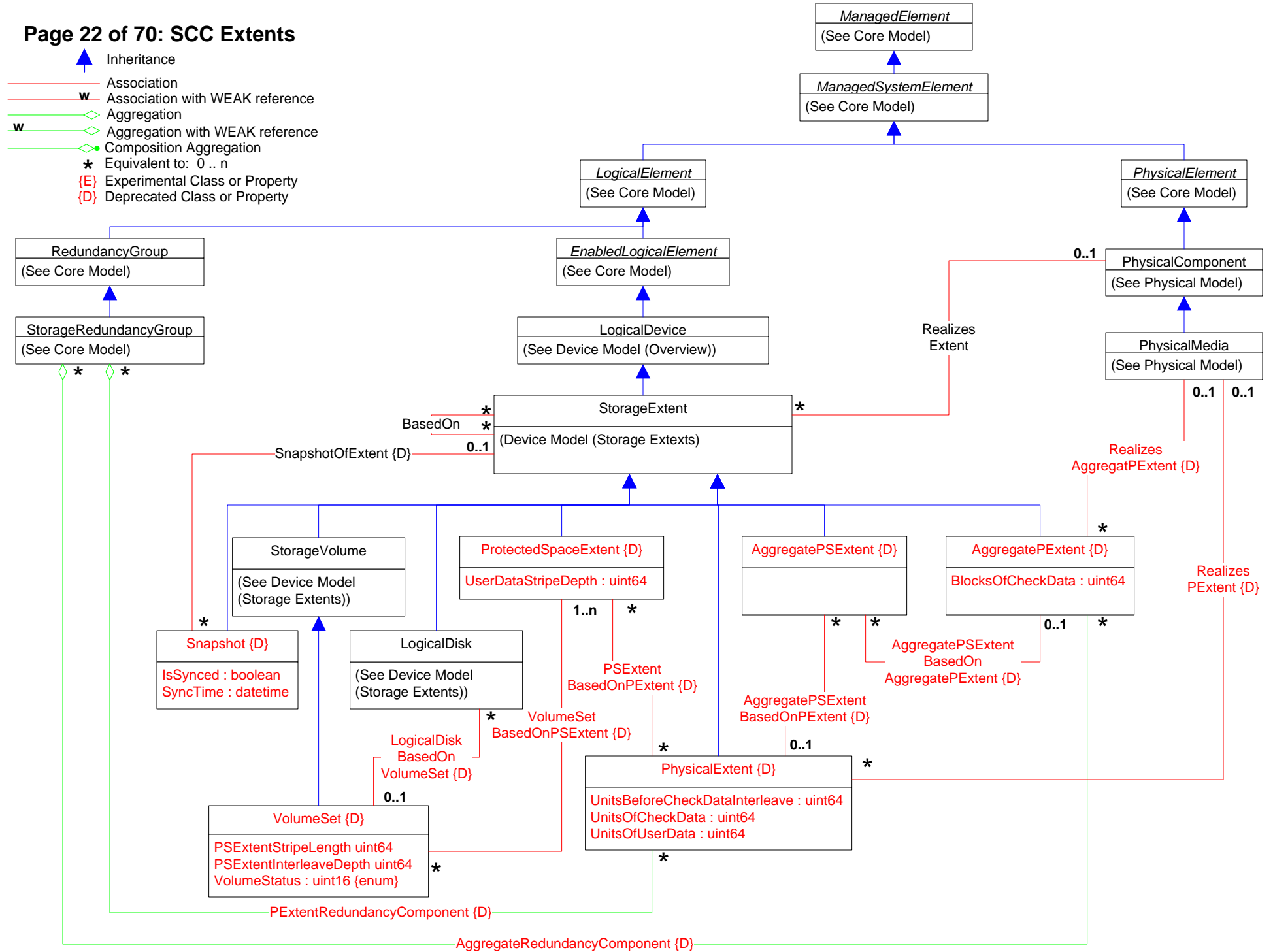
CreateOrModifyPartition ([IN] Extent : ref StorageExtent [IN] StartingAddress : uint64 [IN] EndingAddress : uint64 [IN] DeviceFileName : string [IN] Partition: ref GenericDiskPartition) : uint32 {enum}

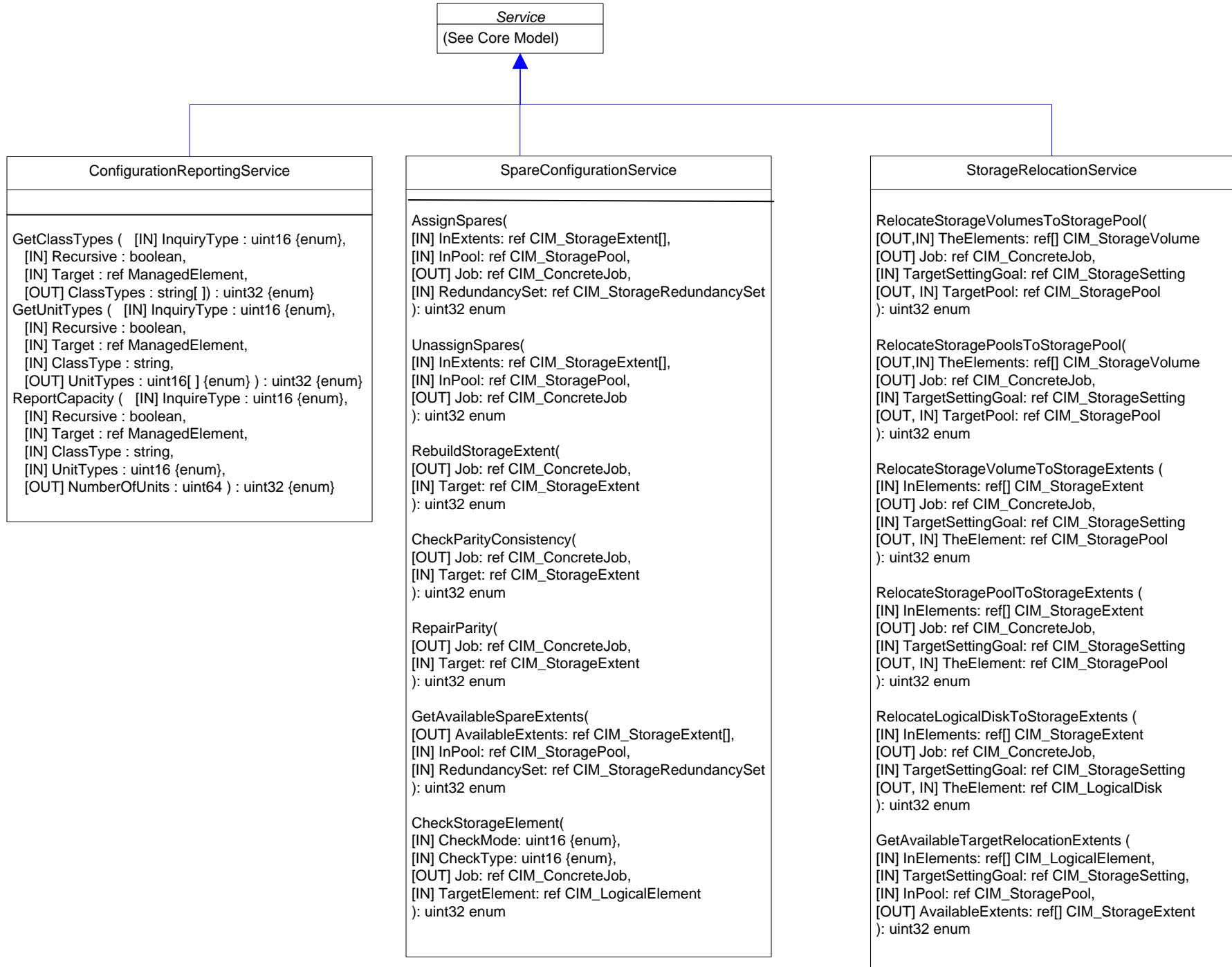


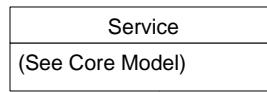
- Inheritance
- Association
- Association with WEAK reference
- Aggregation
- Aggregation with WEAK reference
- Composition Aggregation
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Page 22 of 70: SCC Extents

- Inheritance
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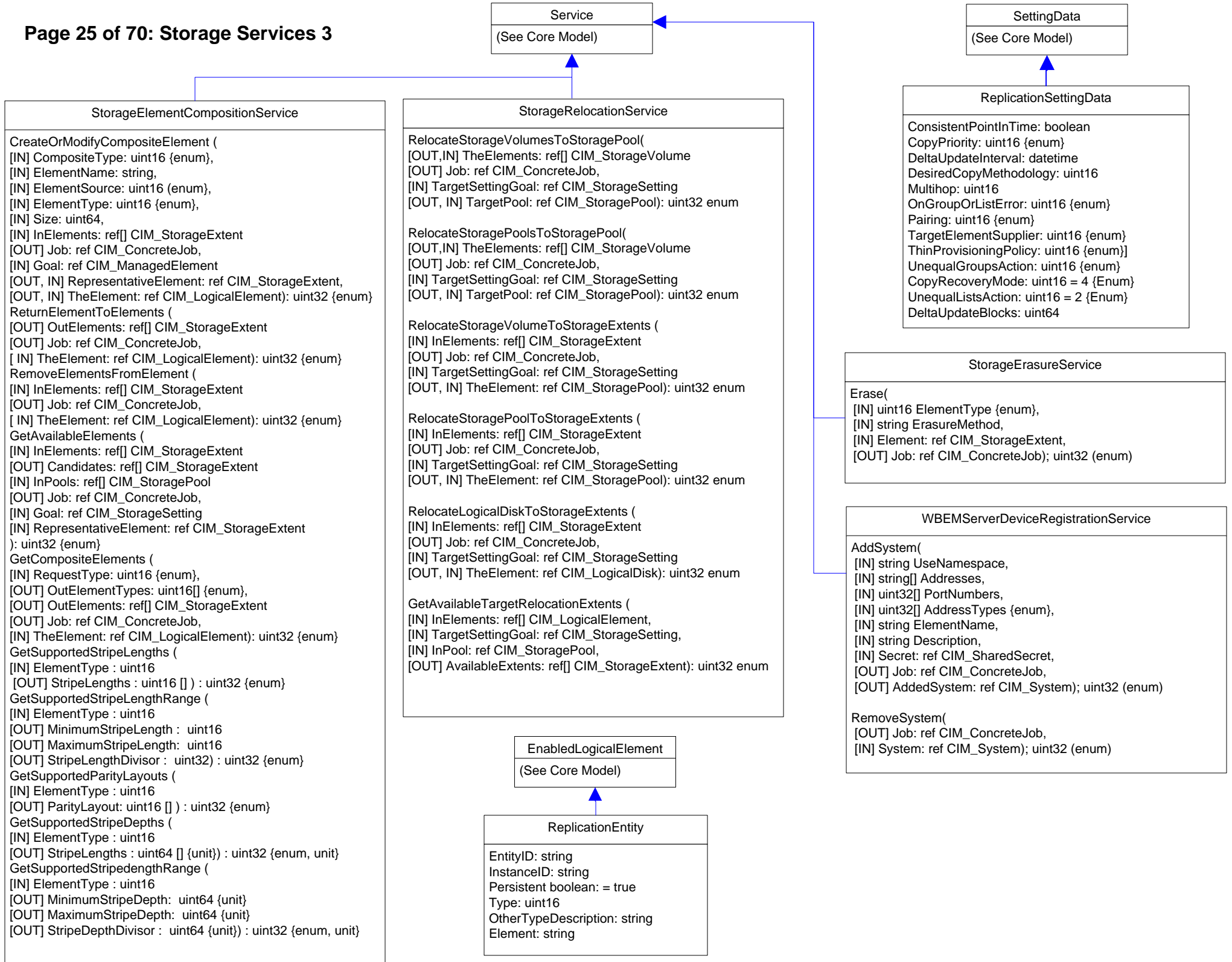


StorageConfigurationService

```

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)
GetAvailableTargetElements(
  [IN] SourceElement: ref CIM_LogicalElement, [IN] TargetPool: ref CIM_StoragePool[], [IN] uint16 CopyType, {enum}, [OUT] Candidates: ref CIM_LogicalElement[]); uint32 (enum)

```



Service
(See Core Model)

SettingData
(See Core Model)

StorageElementCompositionService

CreateOrModifyCompositeElement ([IN] CompositeType: uint16 {enum}, [IN] ElementName: string, [IN] ElementSource: uint16 {enum}, [IN] ElementType: uint16 {enum}, [IN] Size: uint64, [IN] InElements: ref[] CIM_StorageExtent [OUT] Job: ref CIM_ConcreteJob, [IN] Goal: ref CIM_ManagedElement [OUT, IN] RepresentativeElement: ref CIM_StorageExtent, [OUT, IN] TheElement: ref CIM_LogicalElement): uint32 {enum}

ReturnElementToElements ([OUT] OutElements: ref[] CIM_StorageExtent [OUT] Job: ref CIM_ConcreteJob, [IN] TheElement: ref CIM_LogicalElement): uint32 {enum}

RemoveElementsFromElement ([IN] InElements: ref[] CIM_StorageExtent [OUT] Job: ref CIM_ConcreteJob, [IN] TheElement: ref CIM_LogicalElement): uint32 {enum}

GetAvailableElements ([IN] InElements: ref[] CIM_StorageExtent [OUT] Candidates: ref[] CIM_StorageExtent [IN] InPools: ref[] CIM_StoragePool [OUT] Job: ref CIM_ConcreteJob, [IN] Goal: ref CIM_StorageSetting [IN] RepresentativeElement: ref CIM_StorageExtent): uint32 {enum}

GetCompositeElements ([IN] RequestType: uint16 {enum}, [OUT] OutElementTypes: uint16[] {enum}, [OUT] OutElements: ref[] CIM_StorageExtent [OUT] Job: ref CIM_ConcreteJob, [IN] TheElement: ref CIM_LogicalElement): uint32 {enum}

GetSupportedStripeLengths ([IN] ElementType: uint16 [OUT] StripeLengths: uint16[]): uint32 {enum}

GetSupportedStripeLengthRange ([IN] ElementType: uint16 [OUT] MinimumStripeLength: uint16 [OUT] MaximumStripeLength: uint16 [OUT] StripeLengthDivisor: uint32): uint32 {enum}

GetSupportedParityLayouts ([IN] ElementType: uint16 [OUT] ParityLayout: uint16[]): uint32 {enum}

GetSupportedStripeDepths ([IN] ElementType: uint16 [OUT] StripeLengths: uint64[] {unit}): uint32 {enum, unit}

GetSupportedStripedengthRange ([IN] ElementType: uint16 [OUT] MinimumStripeDepth: uint64 {unit} [OUT] MaximumStripeDepth: uint64 {unit} [OUT] StripeDepthDivisor: uint64 {unit}): uint32 {enum, unit}

StorageRelocationService

RelocateStorageVolumesToStoragePool([OUT, IN] TheElements: ref[] CIM_StorageVolume [OUT] Job: ref CIM_ConcreteJob, [IN] TargetSettingGoal: ref CIM_StorageSetting [OUT, IN] TargetPool: ref CIM_StoragePool): uint32 enum

RelocateStoragePoolsToStoragePool([OUT, IN] TheElements: ref[] CIM_StorageVolume [OUT] Job: ref CIM_ConcreteJob, [IN] TargetSettingGoal: ref CIM_StorageSetting [OUT, IN] TargetPool: ref CIM_StoragePool): uint32 enum

RelocateStorageVolumeToStorageExtents ([IN] InElements: ref[] CIM_StorageExtent [OUT] Job: ref CIM_ConcreteJob, [IN] TargetSettingGoal: ref CIM_StorageSetting [OUT, IN] TheElement: ref CIM_StoragePool): uint32 enum

RelocateStoragePoolToStorageExtents ([IN] InElements: ref[] CIM_StorageExtent [OUT] Job: ref CIM_ConcreteJob, [IN] TargetSettingGoal: ref CIM_StorageSetting [OUT, IN] TheElement: ref CIM_StoragePool): uint32 enum

RelocateLogicalDiskToStorageExtents ([IN] InElements: ref[] CIM_StorageExtent [OUT] Job: ref CIM_ConcreteJob, [IN] TargetSettingGoal: ref CIM_StorageSetting [OUT, IN] TheElement: ref CIM_LogicalDisk): uint32 enum

GetAvailableTargetRelocationExtents ([IN] InElements: ref[] CIM_LogicalElement, [IN] TargetSettingGoal: ref CIM_StorageSetting, [IN] InPool: ref CIM_StoragePool, [OUT] AvailableExtents: ref[] CIM_StorageExtent): uint32 enum

ReplicationSettingData

ConsistentPointInTime: boolean
CopyPriority: uint16 {enum}
DeltaUpdateInterval: datetime
DesiredCopyMethodology: uint16
Multihop: uint16
OnGroupOrListError: uint16 {enum}
Pairing: uint16 {enum}
TargetElementSupplier: uint16 {enum}
ThinProvisioningPolicy: uint16 {enum}
UnequalGroupsAction: uint16 {enum}
CopyRecoveryMode: uint16 = 4 {Enum}
UnequalListsAction: uint16 = 2 {Enum}
DeltaUpdateBlocks: uint64

StorageErasureService

Erase([IN] uint16 ElementType {enum}, [IN] string ErasureMethod, [IN] Element: ref CIM_StorageExtent, [OUT] Job: ref CIM_ConcreteJob); uint32 {enum}

WBEMServerDeviceRegistrationService

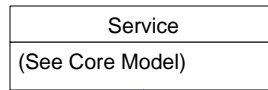
AddSystem([IN] string UseNamespace, [IN] string[] Addresses, [IN] uint32[] PortNumbers, [IN] uint32[] AddressTypes {enum}, [IN] string ElementName, [IN] string Description, [IN] Secret: ref CIM_SharedSecret, [OUT] Job: ref CIM_ConcreteJob, [OUT] AddedSystem: ref CIM_System); uint32 {enum}

RemoveSystem([OUT] Job: ref CIM_ConcreteJob, [IN] System: ref CIM_System); uint32 {enum}

EnabledLogicalElement
(See Core Model)

ReplicationEntity

EntityID: string
InstanceID: string
Persistent boolean: = true
Type: uint16
OtherTypeDescription: string
Element: string



ReplicationService

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

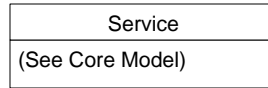
GetReplicationRelationships([IN] Type: uint16 (enum),[IN] SyncType: uint16 (enum),[IN] Mode: uint16 (enum),[IN] Locality: uint16 (enum),[IN] CopyState: uint16 (enum),[OUT] Job: ref CIM_ConcreteJob,[OUT] Synchronizations: ref[] CIM_Synchronized, [IN] ReplicationSettingData: string): uint32 enum

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 (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

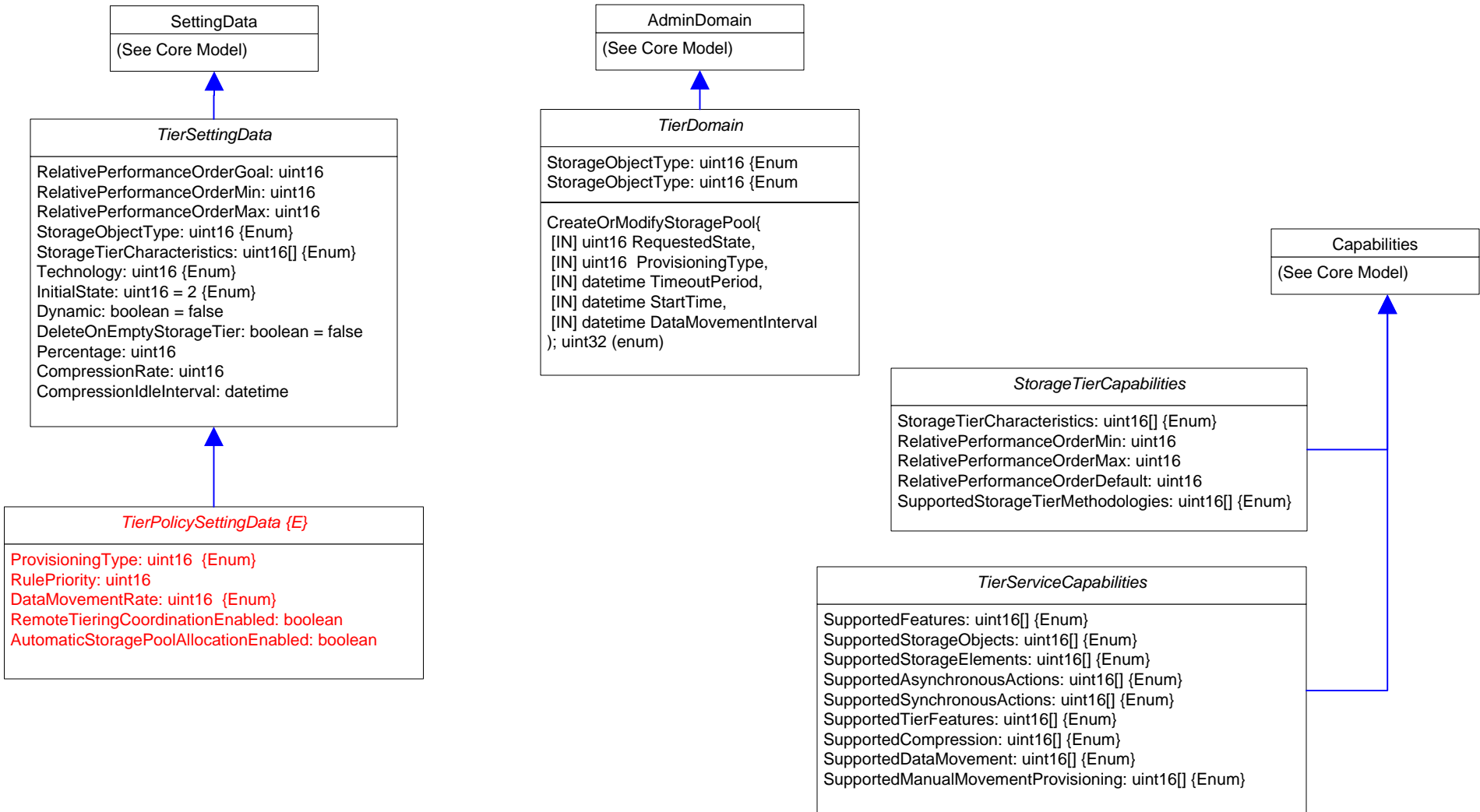
GetSynchronizationAspects([IN] SyncType: uint16, [IN] Mode: uint16, [IN] Locality: uint16, [IN] SyncState: uint16, [OUT] Job: ref CIM_ConcreteJob, [IN] CachedData: boolean, [IN] ReplicationSettingData: string, [OUT] SynchronizationAspects: ref[] CIM_SynchronizationAspect,): uint32 enum

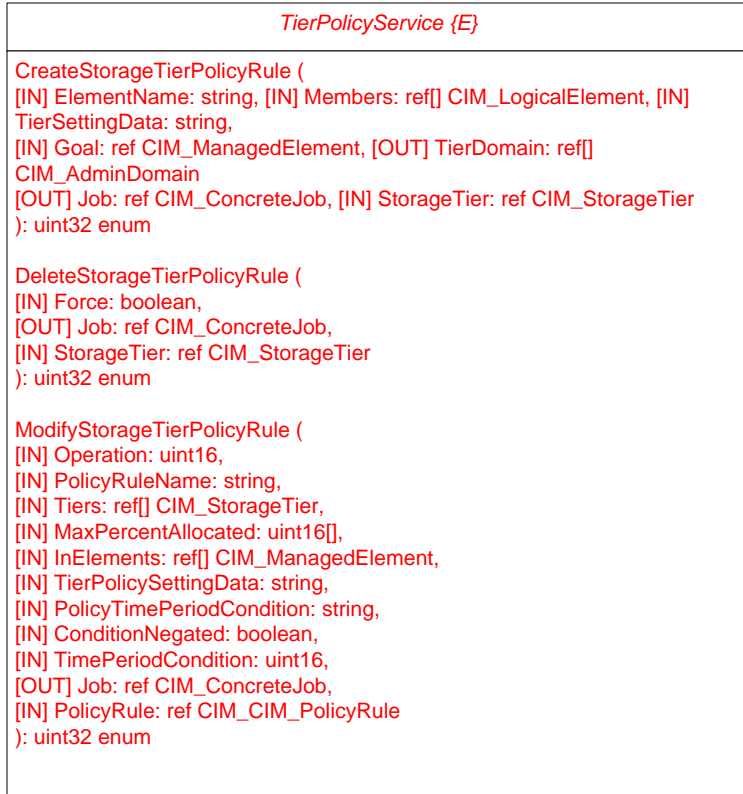
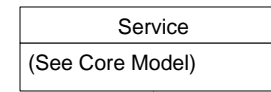
GetSynchronizationAspectInstances([IN] SyncType: uint16, [IN] Mode: uint16, [IN] Locality: uint16, [IN] SyncState: uint16, [OUT] Job: ref CIM_ConcreteJob, [IN] CachedData: boolean, [IN] ReplicationSettingData: string, [OUT] SynchronizationAspects: string,): uint32 enum

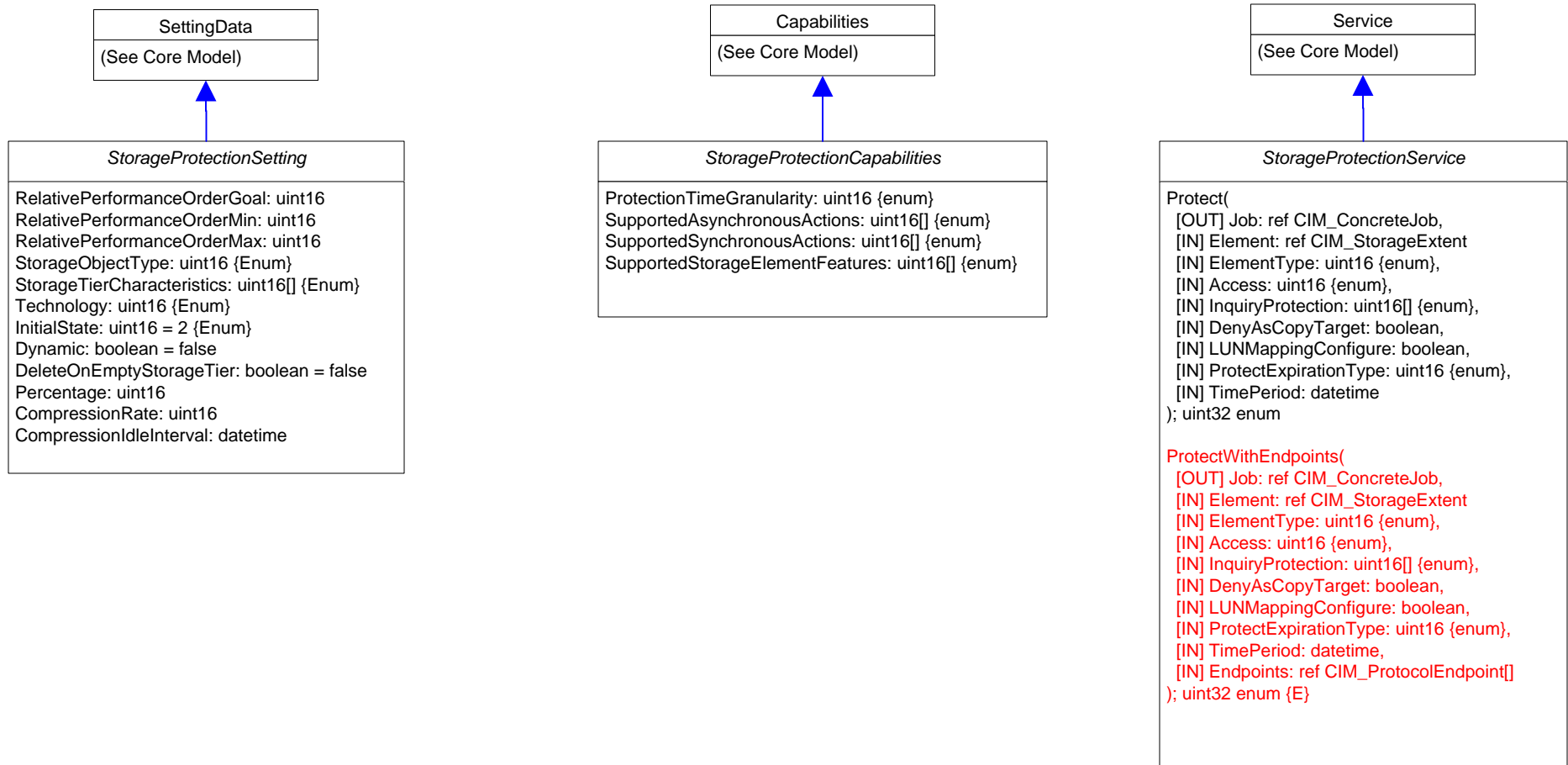
CreateGroupReplicaFromElementSynchronizations([IN] Synchronized ref CIM_Synchronized, [IN] SourceElements ref[] CIM_LogicalElement, [IN] TargetElements ref[] CIM_LogicalElement, [IN] SourceAccessPoint ref CIM_ServiceAccessPoint, [IN] TargetAccessPoint ref CIM_ServiceAccessPoint, [IN] TargetGroupName: uint16, [IN] ReplicationSettingData: string, [OUT] Job: ref CIM_ConcreteJob, [OUT] Synchronizations ref[] CIM_Synchronized, [IN] WaitForCopyState: uint16): uint32 enum

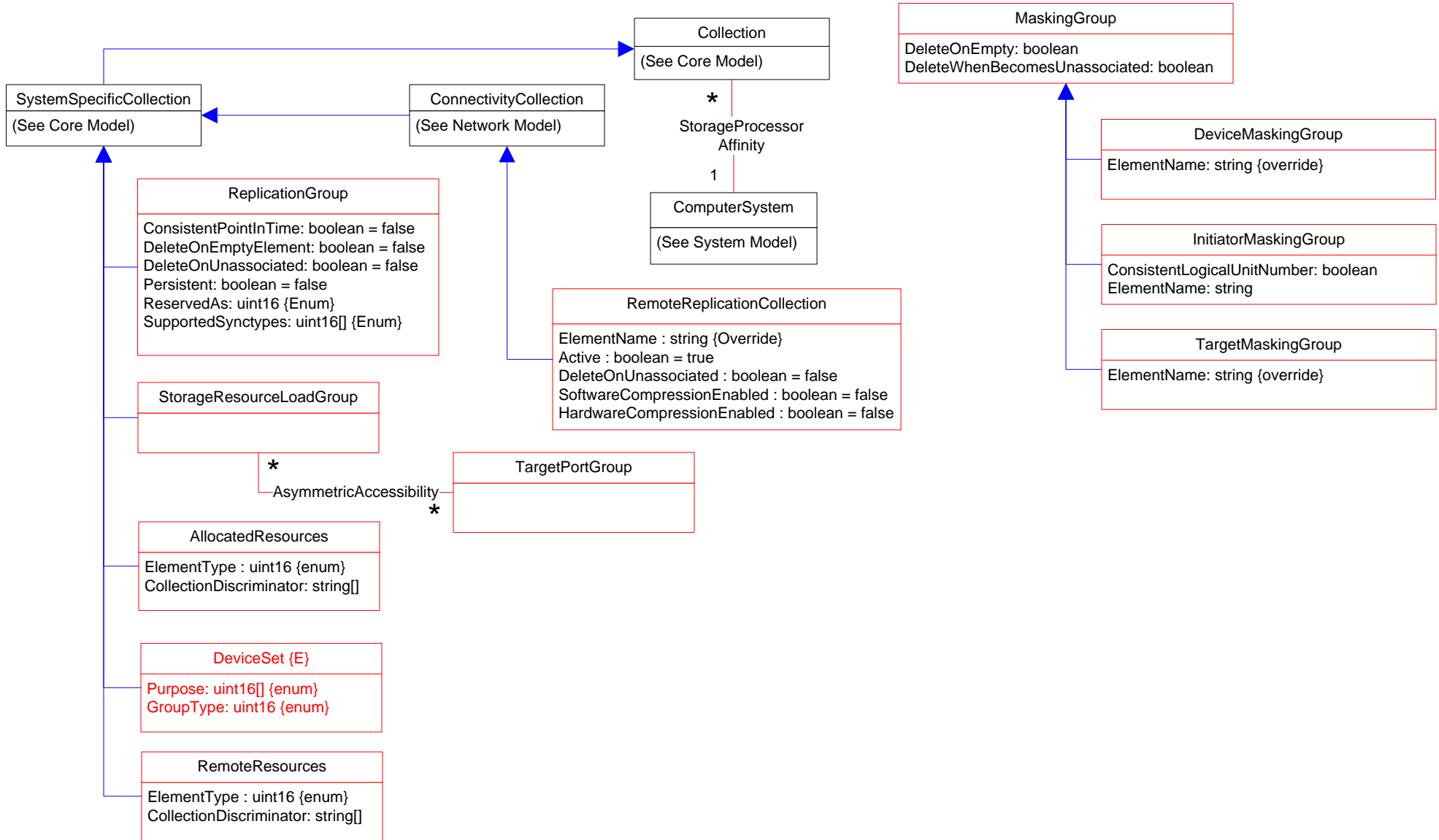
ConfirmTargetData([IN] Synchronized ref CIM_Synchronized, [IN] SourceAccessPoint ref CIM_ServiceAccessPoint, [IN] TargetAccessPoint ref CIM_ServiceAccessPoint, [IN] TargetGroupName: uint16, [IN] ReplicationSettingData: string, [OUT] Job: ref CIM_ConcreteJob, [IN] ConnectivityCollection ref CIM_ConnectivityCollection, [IN] WaitTime: datetime): uint32 enum

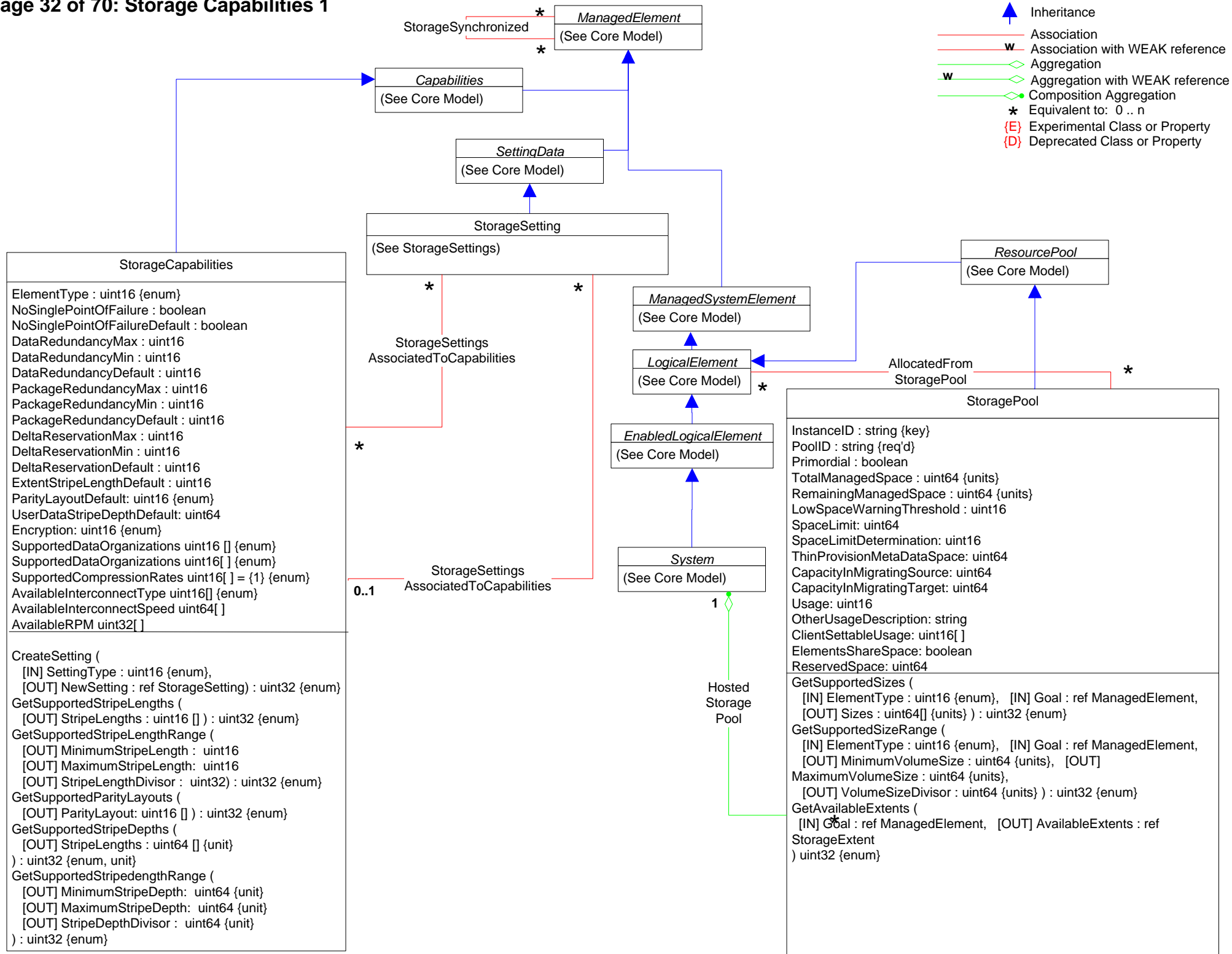
CreateListSynchronizationAspect([IN] Names: string[],[IN] SyncType: uint16,[IN] Mode: uint16,[IN] SourceElements ref[] ManagedElement,[IN] SourceAccessPoint ref ServiceAccessPoint,[IN] Consistency: uint16,[IN] ReplicationSettingData: string,[OUT] Job ref ConcreteJob,[OUT] SettingsStates ref[] SettingsDefineState) : uint32

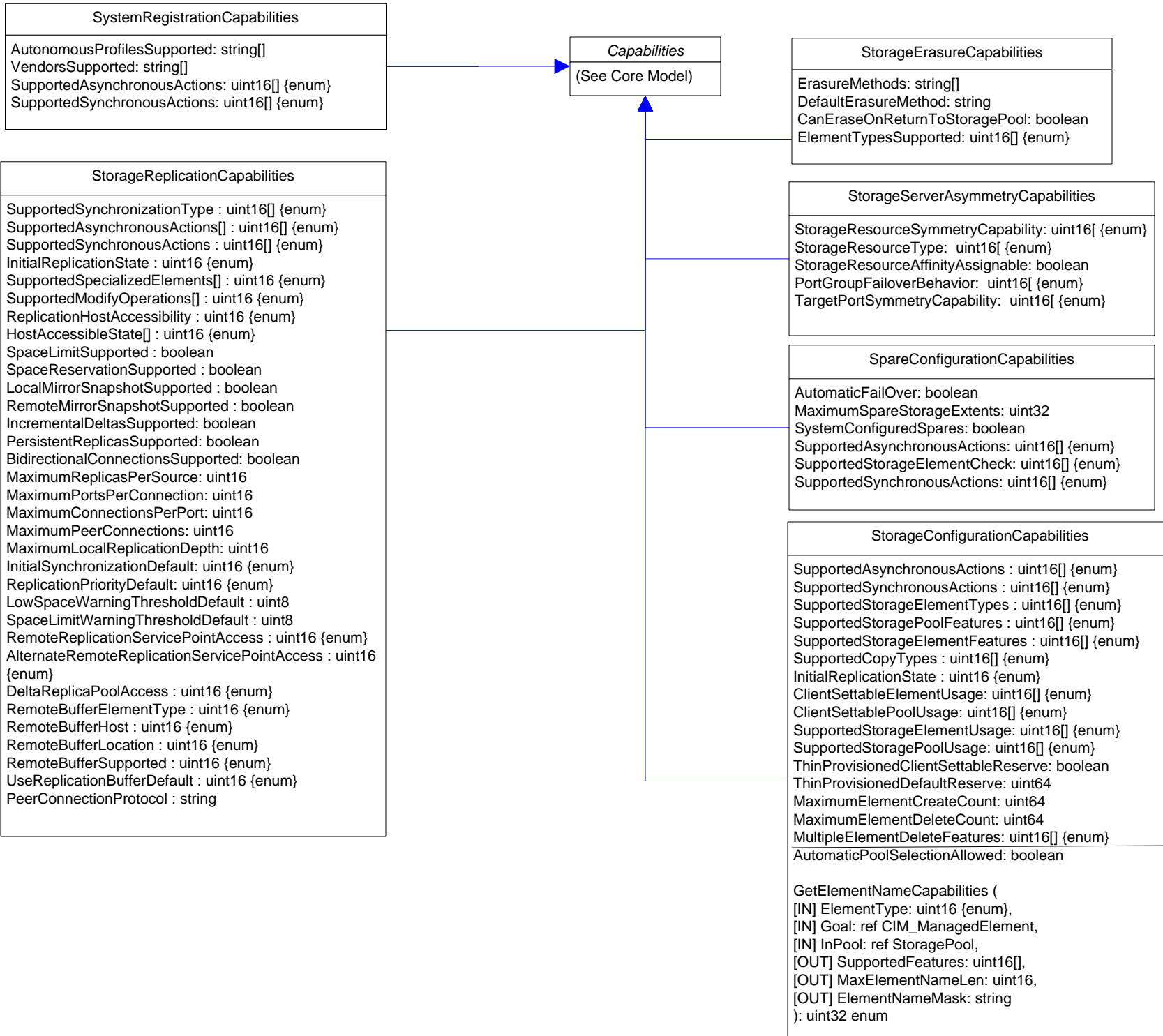


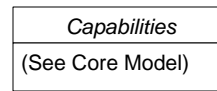












ReplicationServiceCapabilities
SupportedReplicationTypes uint16[] {enum} SupportedStorageObjects uint16[] {enum} SupportedAsynchronousActions uint16[] {enum} SupportedSynchronousActions uint16[] {enum}
ConvertSyncTypeToReplicationType([IN] uint16 SyncType, [IN] uint16 Mode, [IN] uint16 Mode, [IN] uint16 LocalOrRemote, [OUT] uint16 SupportedReplicationTypes); uint32 (enum) ConvertReplicationTypeToSyncType([IN] uint16 ReplicationType, [OUT] uint16 SyncType, [OUT] uint16 Mode, [OUT] uint16 LocalOrRemote); uint32 (enum) GetSupportedCopyStates([IN] uint16 ReplicationType[], [OUT] uint16 SupportedCopyStates[], [OUT] boolean HostAccessible[], [IN] string ReplicationSettingData, [IN] Operation: uint16); uint32 (enum) GetSupportedGroupCopyStates([IN] uint16 ReplicationType, [OUT] uint16 SupportedCopyStates[], string ReplicationSettingData, [IN] uint16 Operation); uint32 (enum) GetSupportedWaitForCopyStates([IN] uint16 ReplicationType, [IN] uint16 MethodName, [OUT] uint16 SupportedCopyStates[], [IN] string ReplicationSettingData, [IN] uint16 Operation); uint32 (enum) GetSupportedFeatures([IN] uint16 ReplicationType, [OUT] uint16 Features[], [IN] string ReplicationSettingData); uint32 (enum) GetSupportedGroupFeatures([IN] uint16 ReplicationType, [OUT] uint16 GroupFeatures[], [IN] string ReplicationSettingData); uint32 (enum) GetSupportedConsistency([IN] uint16 ReplicationType, [OUT] uint16 SupportedConsistency[], [IN] string ReplicationSettingData); uint32 (enum) GetSupportedOperations([IN] uint16 ReplicationType, [OUT] uint16 SupportedOperations[], [IN] string ReplicationSettingData, [IN] uint16 CopyState, [OUT] uint16[] ServiceControlling, [OUT] boolean[] RequiresForce, [OUT] boolean[] UpdatesSynchronizedPath); uint32 (enum) GetSupportedGroupOperations([IN] uint16 ReplicationType, [OUT] uint16 SupportedGroupOperations[], [IN] string ReplicationSettingData, [IN] uint16 CopyState, [OUT] uint16[] ServiceControlling, [OUT] boolean[] RequiresForce, [OUT] boolean[] UpdatesSynchronizedPath); uint32 (enum) GetSupportedListOperations([IN] uint16 ReplicationType, [IN] uint16 SynchronizationType, [OUT] uint16[] SupportedListOperations, [IN] string ReplicationSettingData, [OUT] uint16[] ServiceControlling, [OUT] boolean[] RequiresForce, [OUT] boolean[] UpdatesSynchronizedPath); uint32 (enum) GetSupportedSettingsDefineStateOperations([IN] uint16 ReplicationType, [OUT] uint16[] SupportedOperations, [IN] string ReplicationSettingData); uint32 (enum) GetSupportedThinProvisioningFeatures([IN] uint16 ReplicationType, [OUT] uint16 SupportedThinProvisioningFeatures[]); uint32 (enum) GetSupportedMaximum([IN] uint16 ReplicationType, [IN] uint16 Component, [OUT] uint64 MaxValue, [IN] string ReplicationSettingData); uint32 (enum) GetDefaultConsistency([IN] uint16 ReplicationType, [OUT] uint16 DefaultConsistency [IN] string ReplicationSettingData); uint32 (enum) GetDefaultGroupPersistence([OUT] uint16 DefaultGroupPersistence); uint32 (enum) GetSupportedReplicationSettingData([IN] uint16 ReplicationType, [IN] uint16 PropertyName, [OUT] uint64[] SupportedValues, [IN] string ReplicationSettingData); uint32 (enum) GetDefaultReplicationSettingData([IN] uint16 ReplicationType, [OUT] string DefaultInstance); uint32 (enum) GetSupportedConnectionFeatures([IN] CIM_ServiceAccessPoint REF Connection, [OUT] uint16[] SupportedConnectionFeatures); uint32 (enum) uint32 GetSupportedReplicationSettingDataDateTime([IN] ReplicationType:uint16,[IN] PropertyName:uint16,[OUT] SupportedValues:datetime[],[OUT] SupportedValuesIndicator:uint16, [IN] ReplicationSettingData:string {EmbeddedInstance}) : uint32 {enum}

Capabilities
(See Core Model)



ReplicationServiceCapabilities (continued)

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)

GetSupportedStorageCompressionFeatures(
[IN] uint16 ReplicationType, [OUT] uint16[] SupportedStorageCompressionFeatures, [IN] string ReplicationSettingData); uint32 (enum)

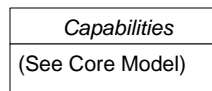
GetSupportedTokenizedReplicationType(
[IN] CIM_ManagedElement REF SourceElement, [IN] CIM_ManagedElement REF TargetElement,
[IN] CIM_ServiceAccessPoint REF ElementAccessPoint, [IN] string ReplicationSettingData, [OUT] uint16[] ReplicationTypes); uint32 (enum)

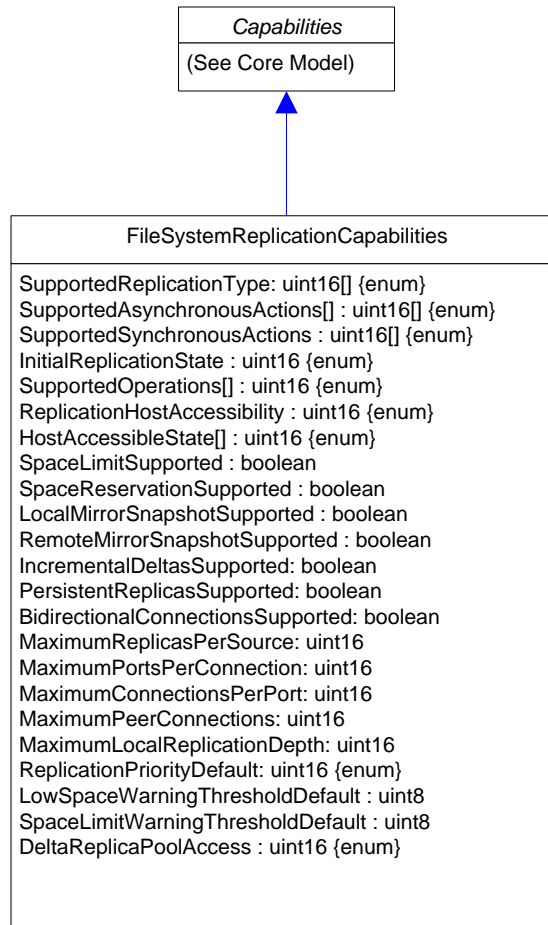
GetSupportedListFeatures(
[IN] uint16 ReplicationType, [IN] string ReplicationSettingData); uint32 (enum)

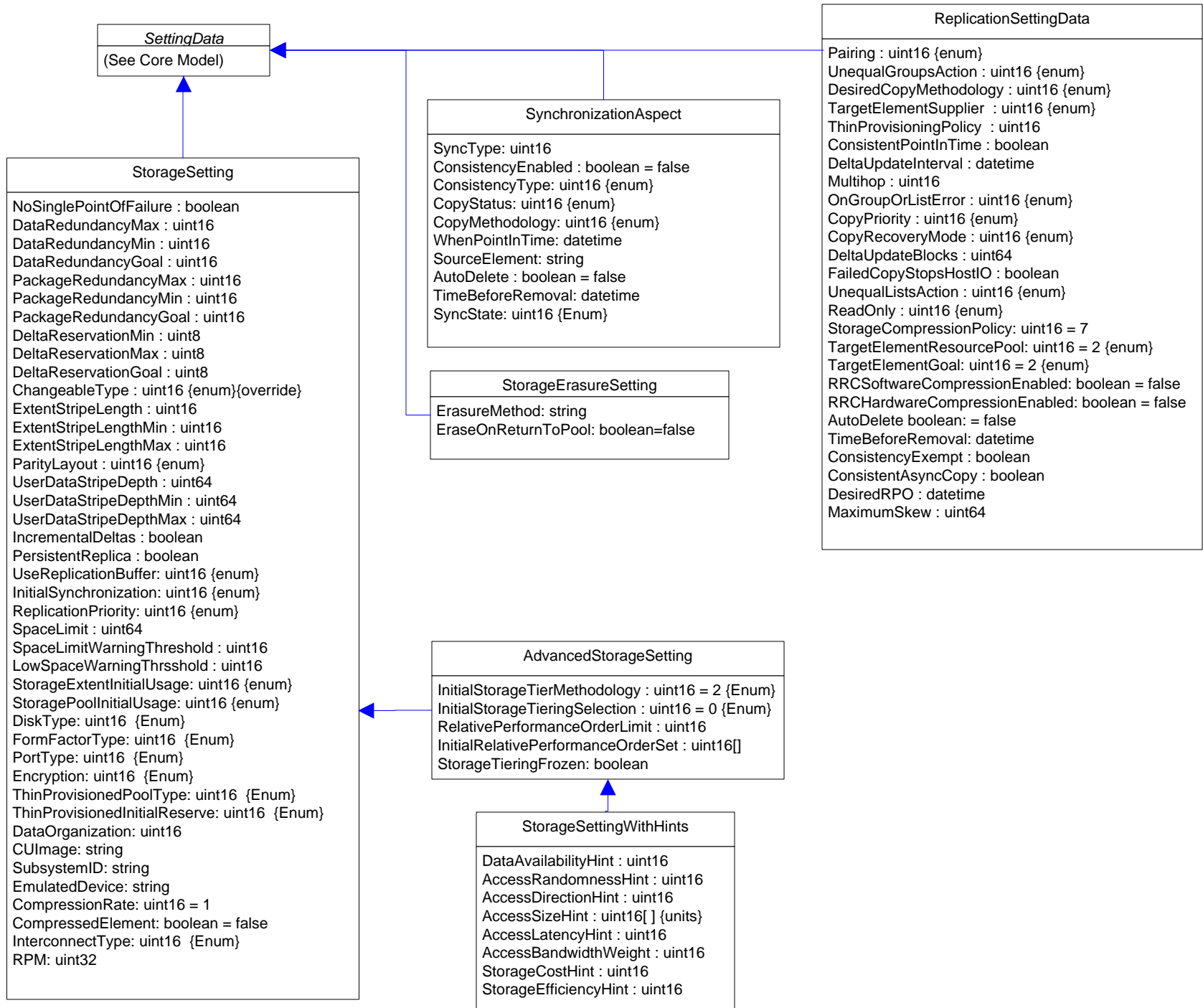
GetSupportedOperationsForSynchronization(
[IN] CIM_Synchronized REF Synchronization, [IN] string ReplicationSettingData, [IN] uint16 SynchronizationType, [OUT] uint16[] SupportedOperations,
[OUT] uint16[] ServiceControlling, [OUT] boolean[] RequiresForce, [OUT] boolean[] UpdatesSynchronizedPath); uint32 (enum)

GetSupportedReplicationTypesForSystem(
[IN] CIM_ComputerSystem REF System, [IN] string ReplicationSettingData, [OUT] uint16[] SupportedReplicationTypes,); uint32 (enum)










GetElementNameCapabilities(
[IN] uint16 ElementType, [OUT] uint16[] SupportedFeatures, [OUT] uint16 MaxElementNameLen, [OUT] string ElementNameMask); uint32 (enum)

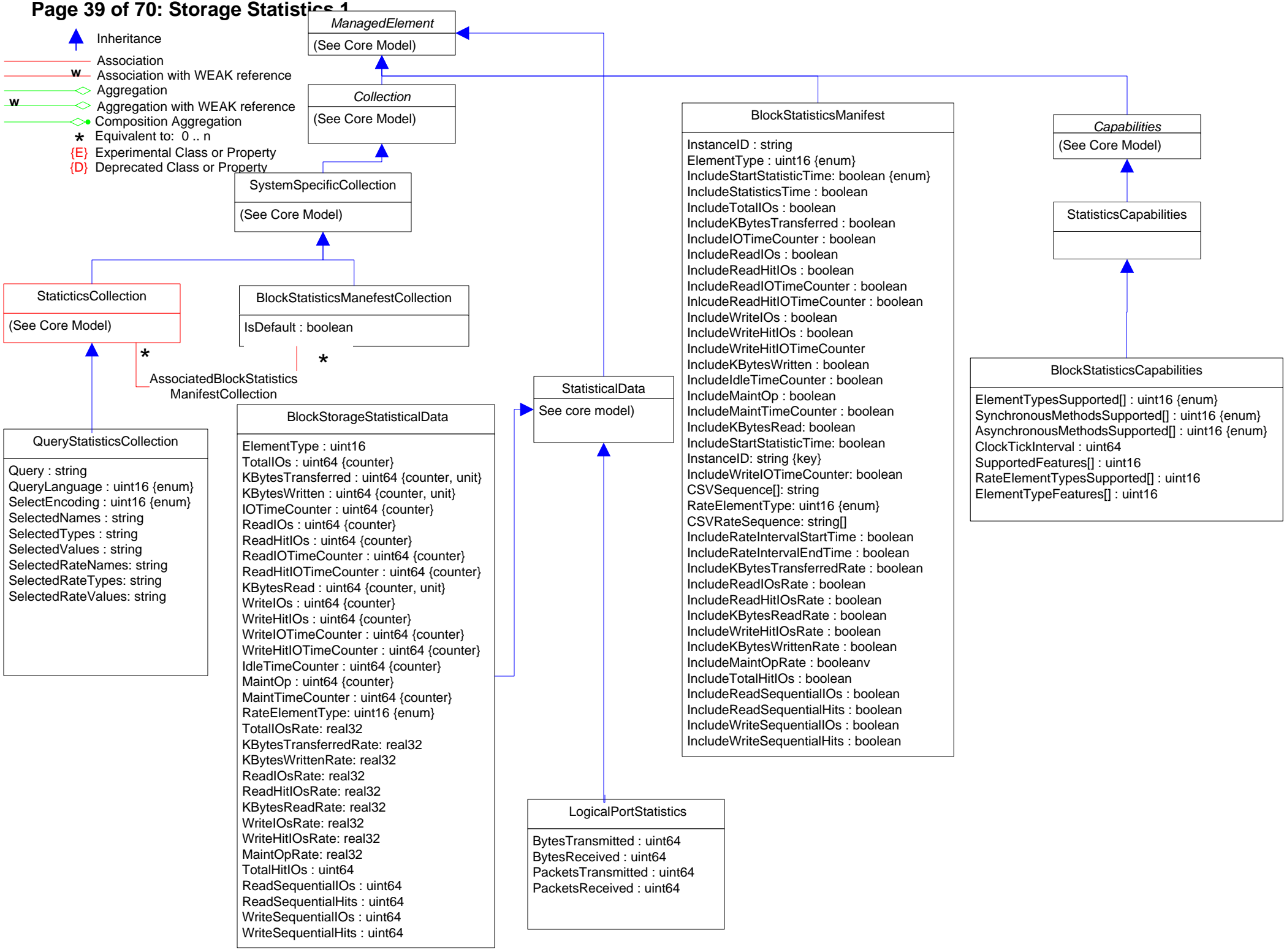


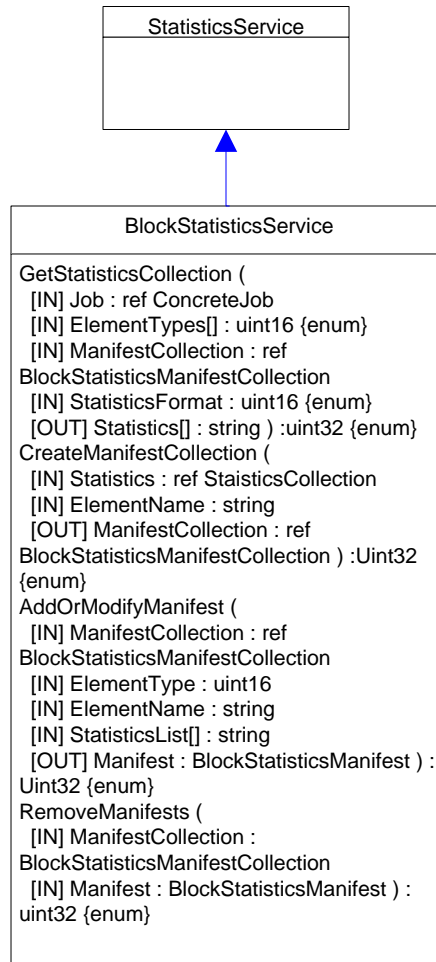




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-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0..n
-  Experimental Class or Property
-  Deprecated Class or Property





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▲ Inheritance

— Association

—w Association with WEAK reference

◊ Aggregation

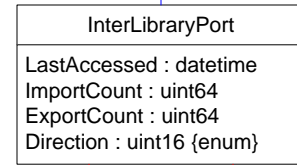
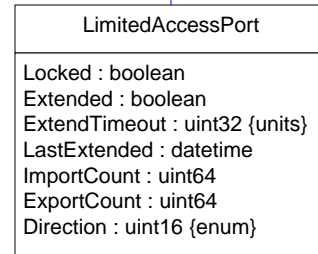
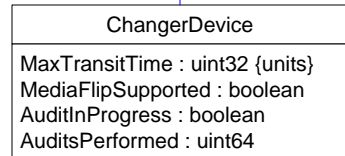
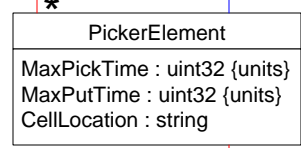
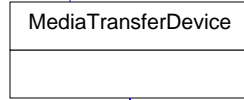
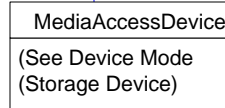
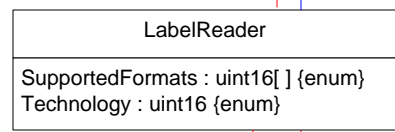
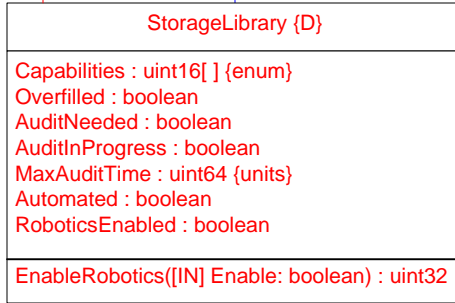
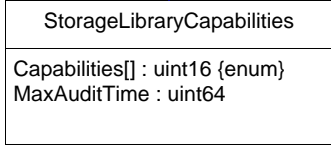
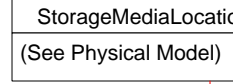
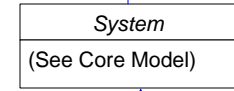
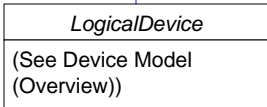
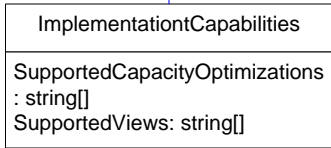
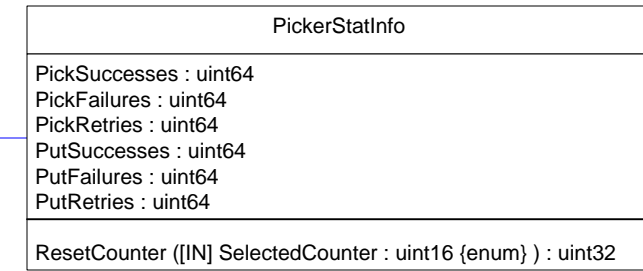
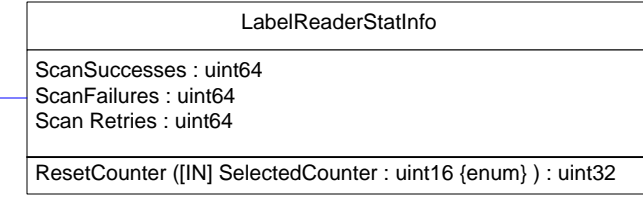
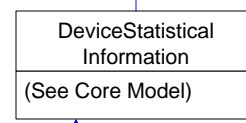
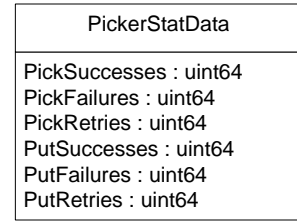
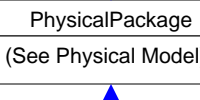
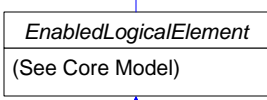
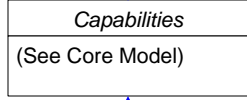
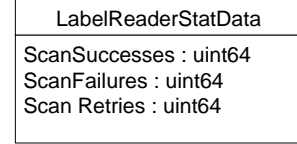
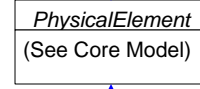
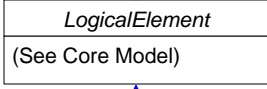
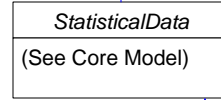
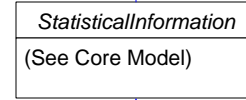
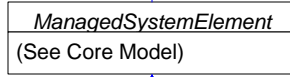
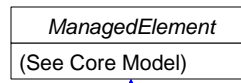
◊-w Aggregation with WEAK reference

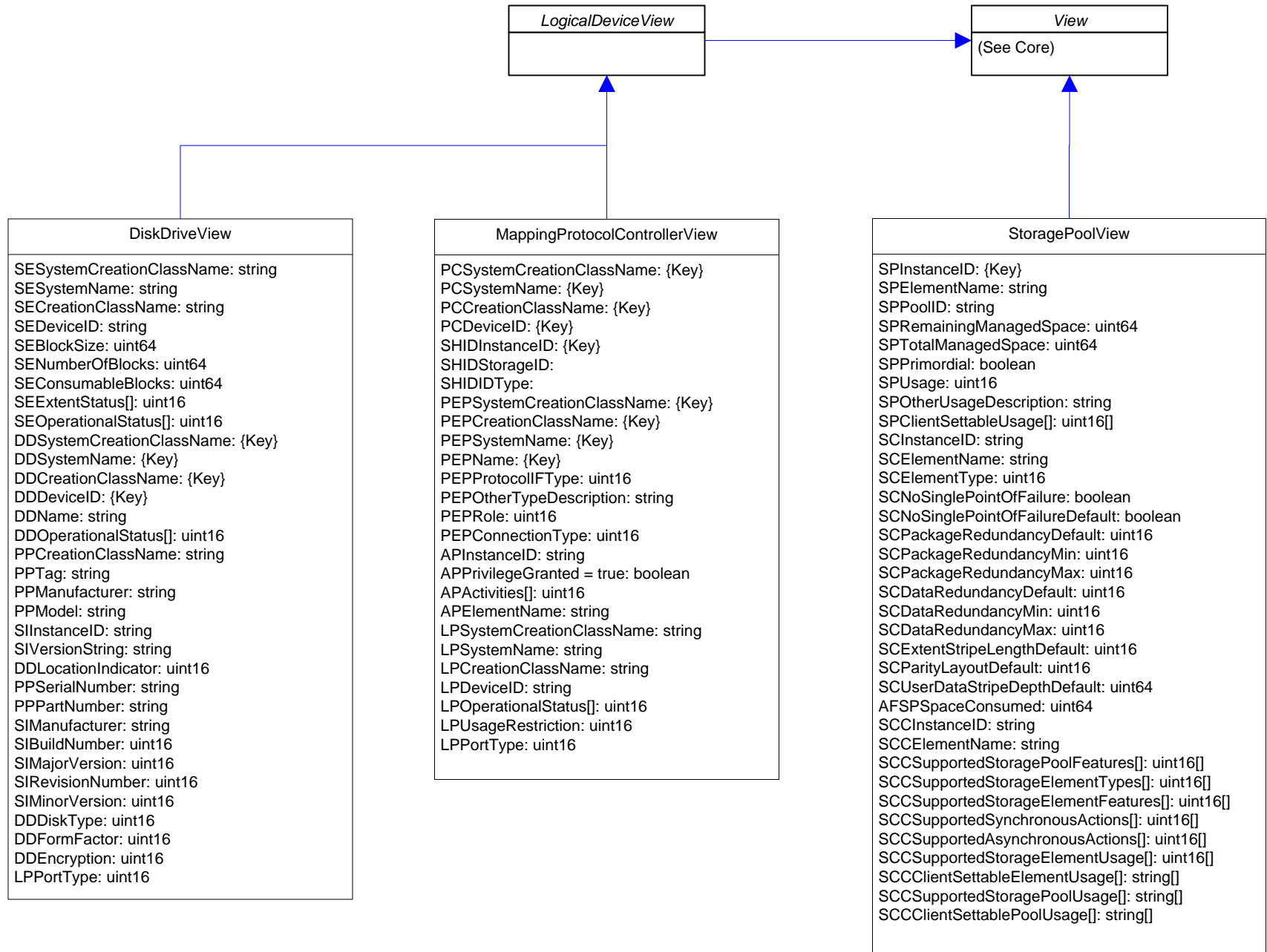
◊• Composition Aggregation

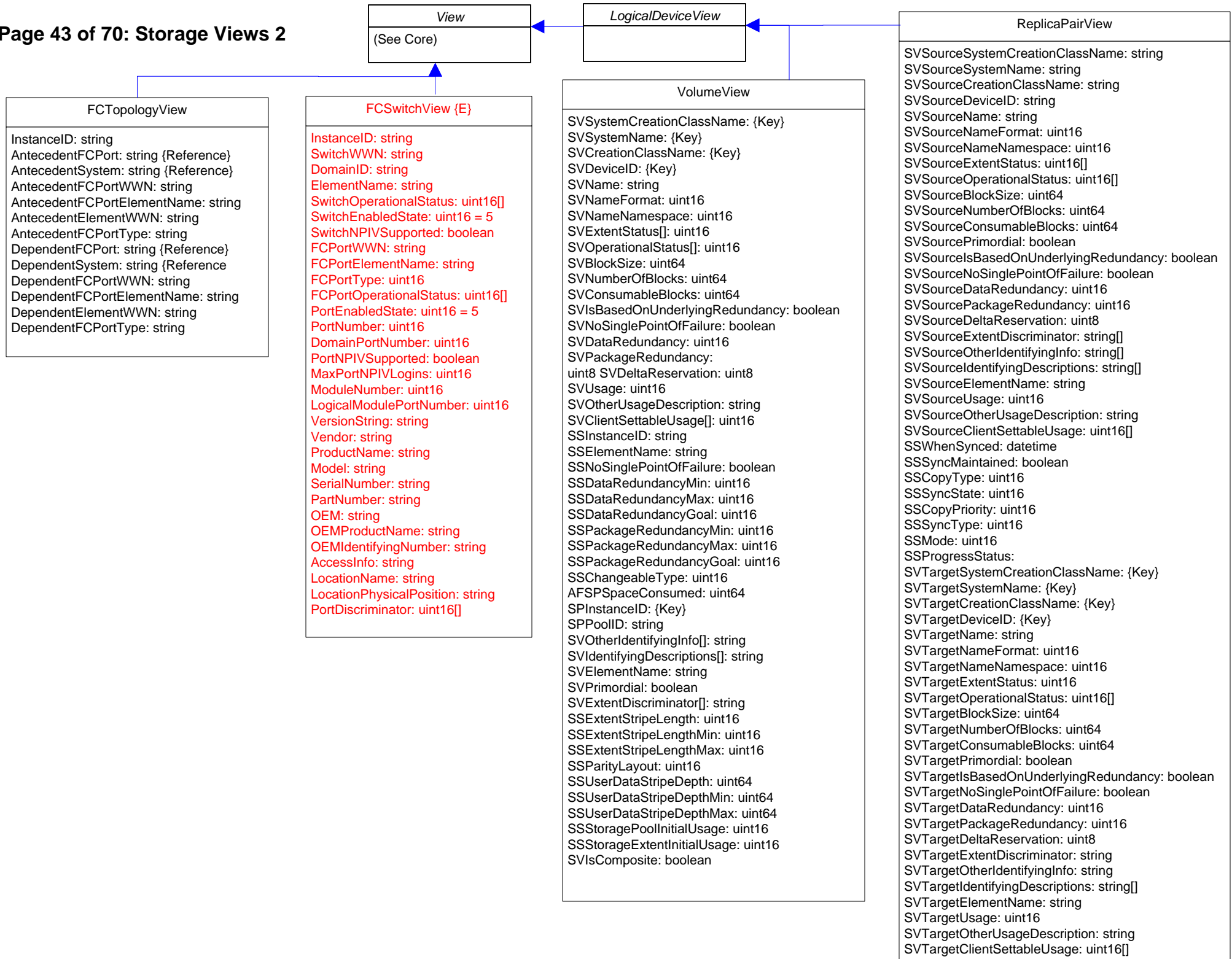
* Equivalent to: 0..n

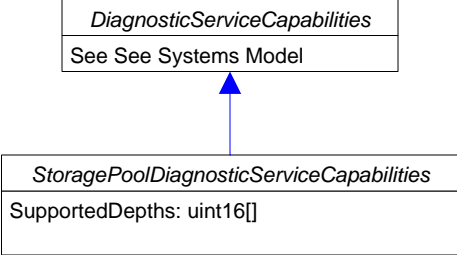
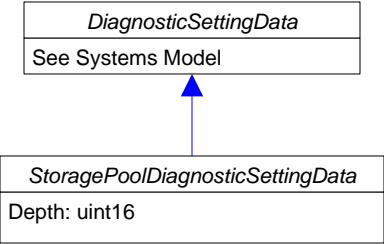
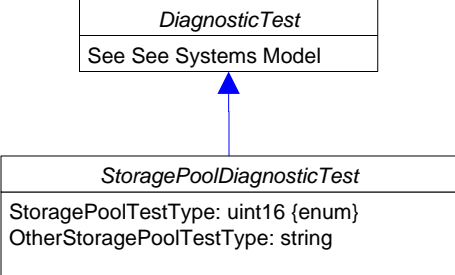
{E} Experimental Class or Property

{D} Deprecated Class or Property












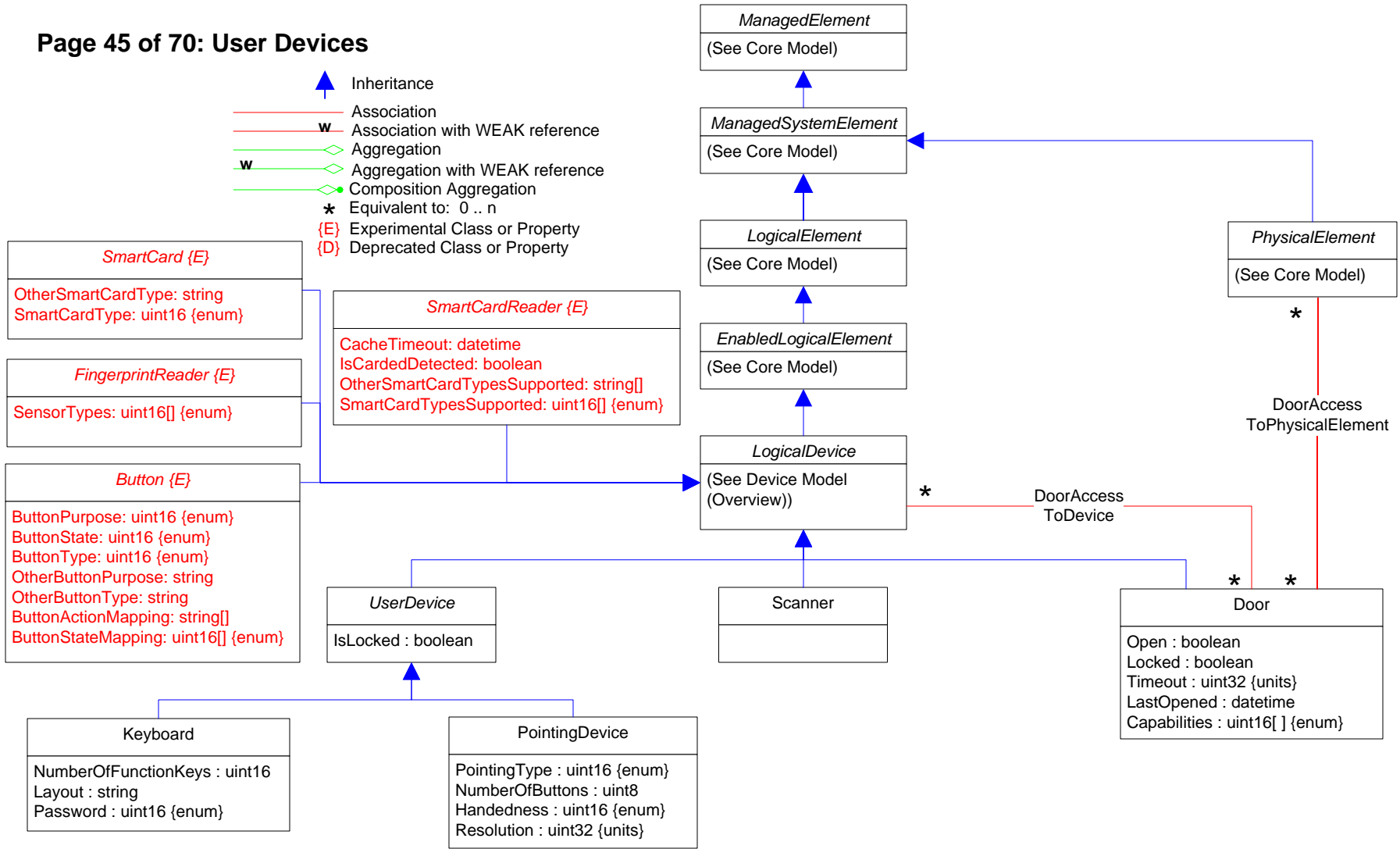











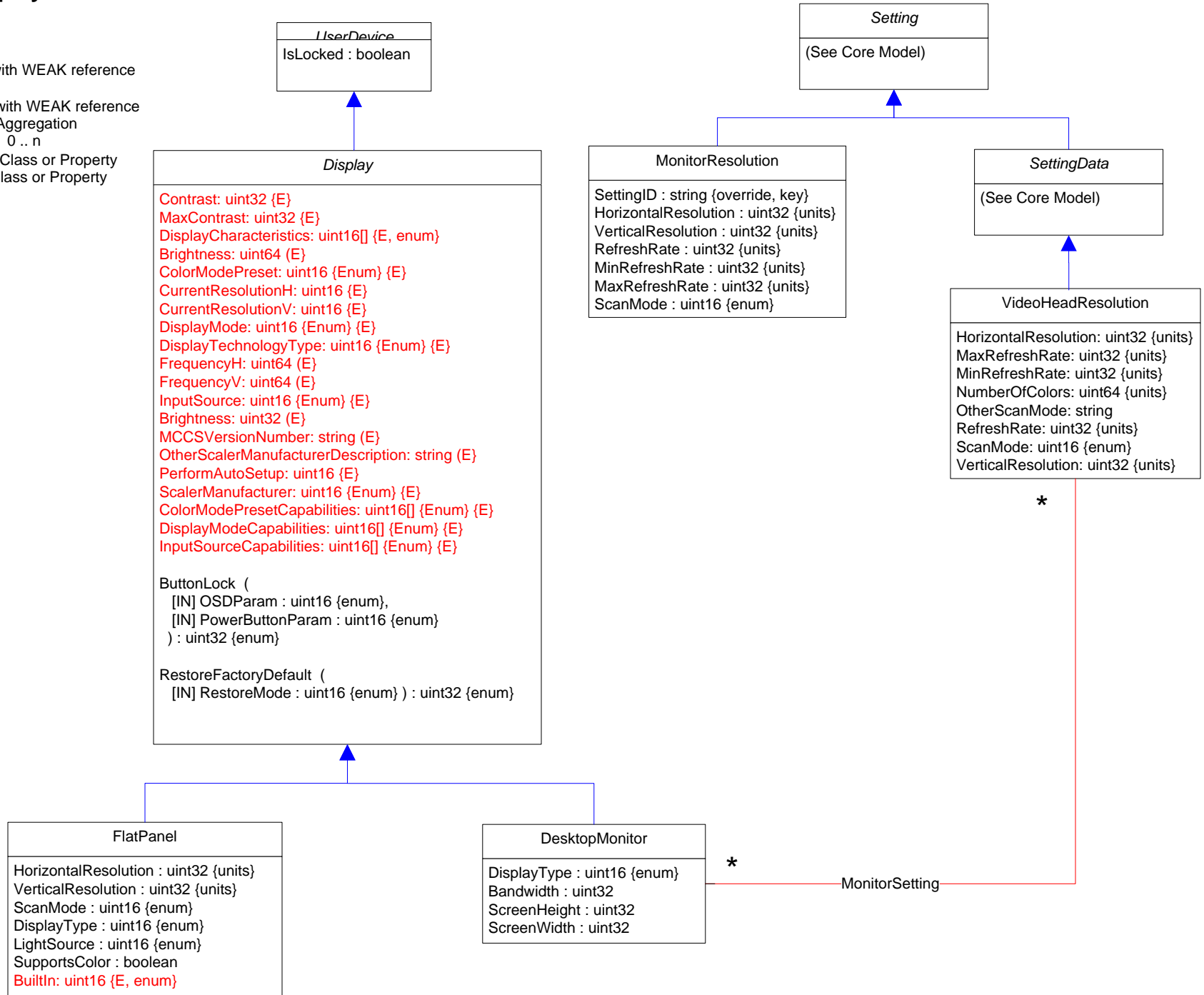


Page 45 of 70: User Devices

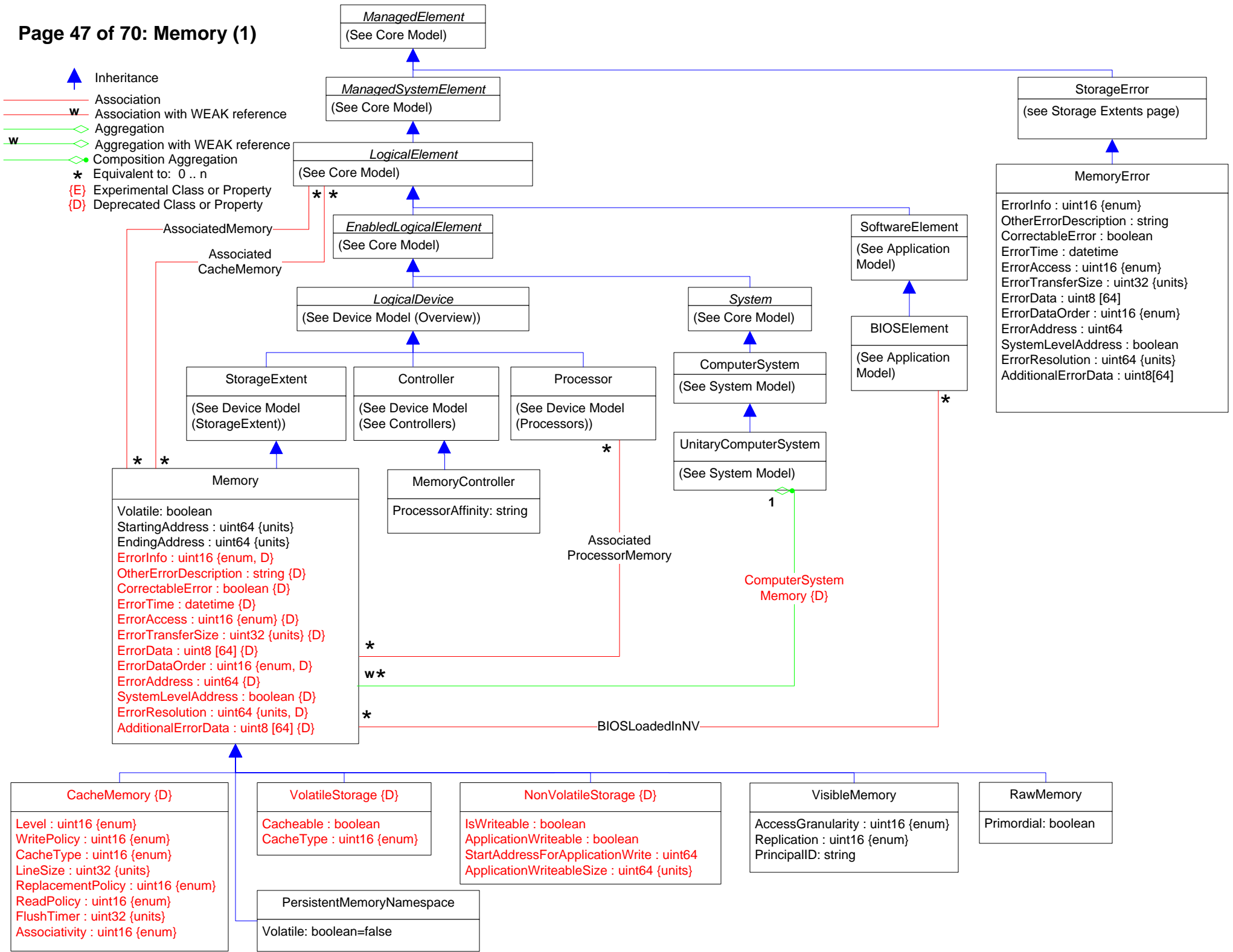
-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  * Equivalent to: 0..n
-  {E} Experimental Class or Property
-  {D} Deprecated Class or Property












-  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

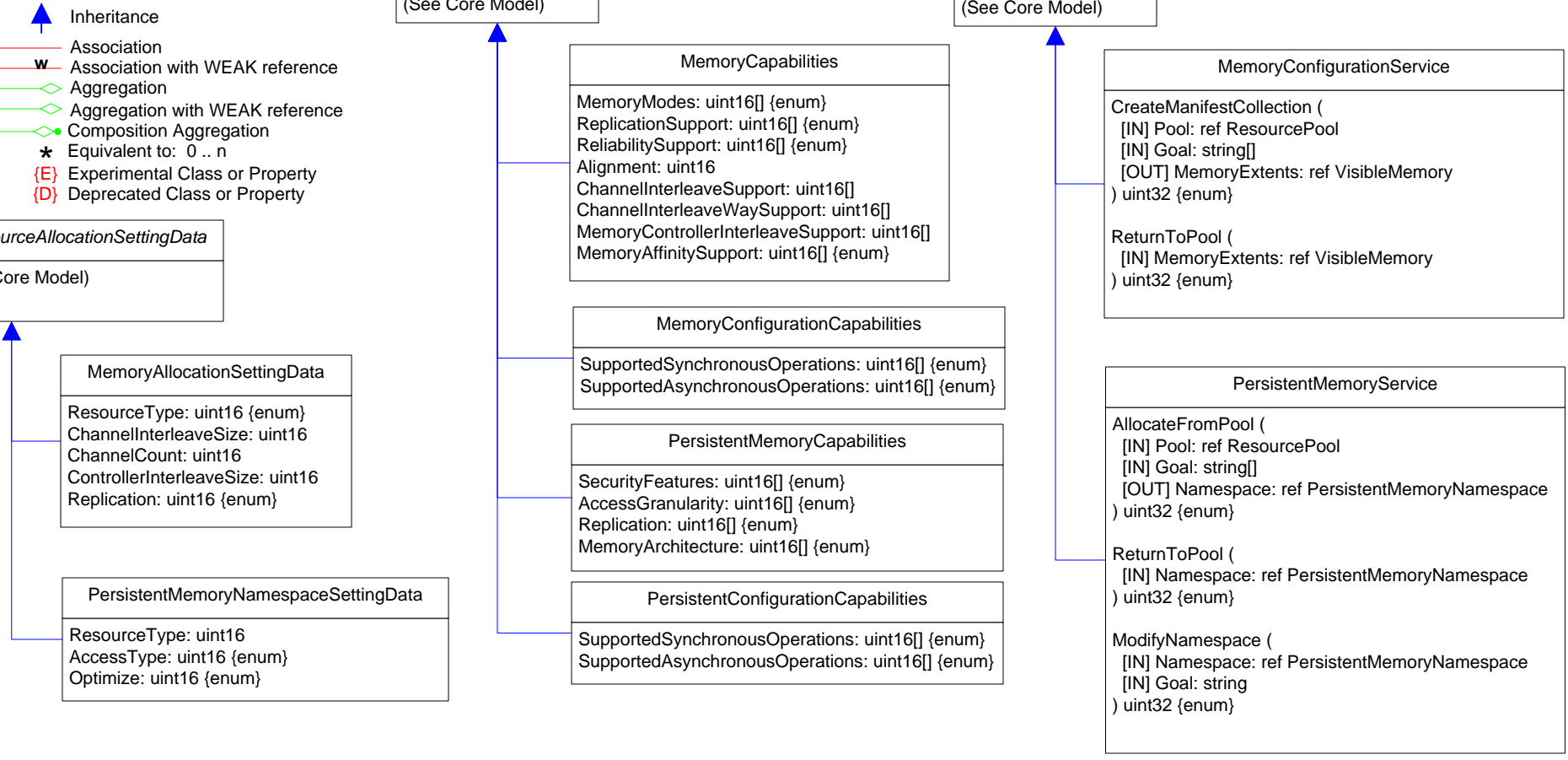
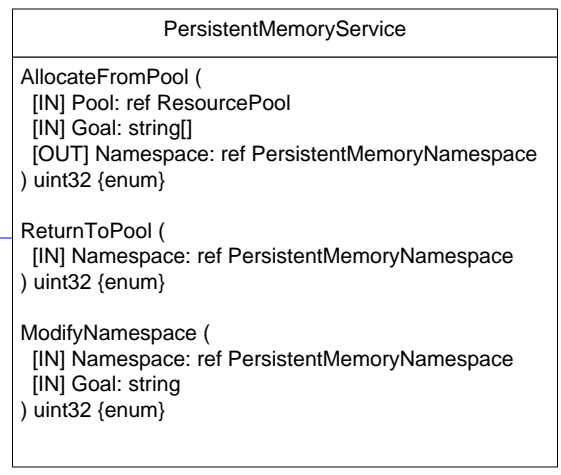
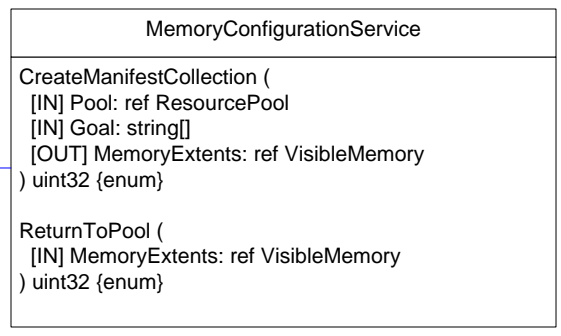
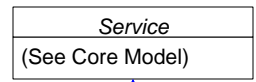
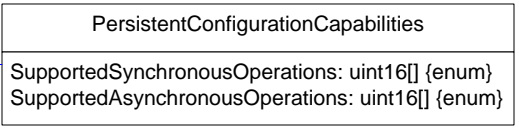
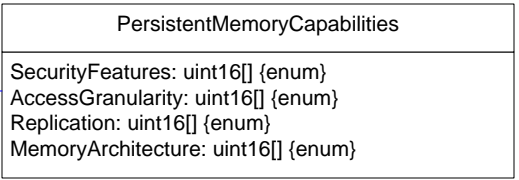
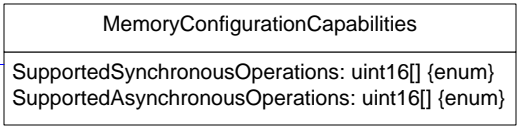
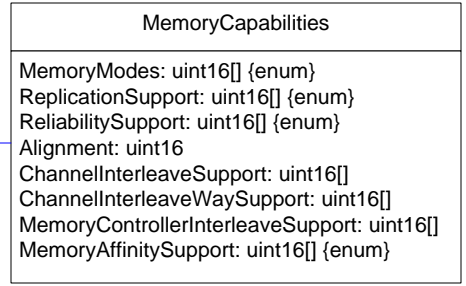
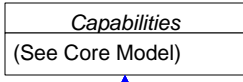
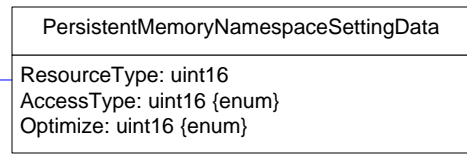
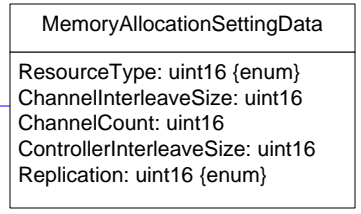
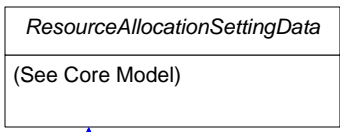











- Inheritance
- Association
- Association with WEAK reference
- Aggregation
- Aggregation with WEAK reference
- Composition Aggregation
- Equivalent to: 0 .. n
- Experimental Class or Property
- Deprecated Class or Property

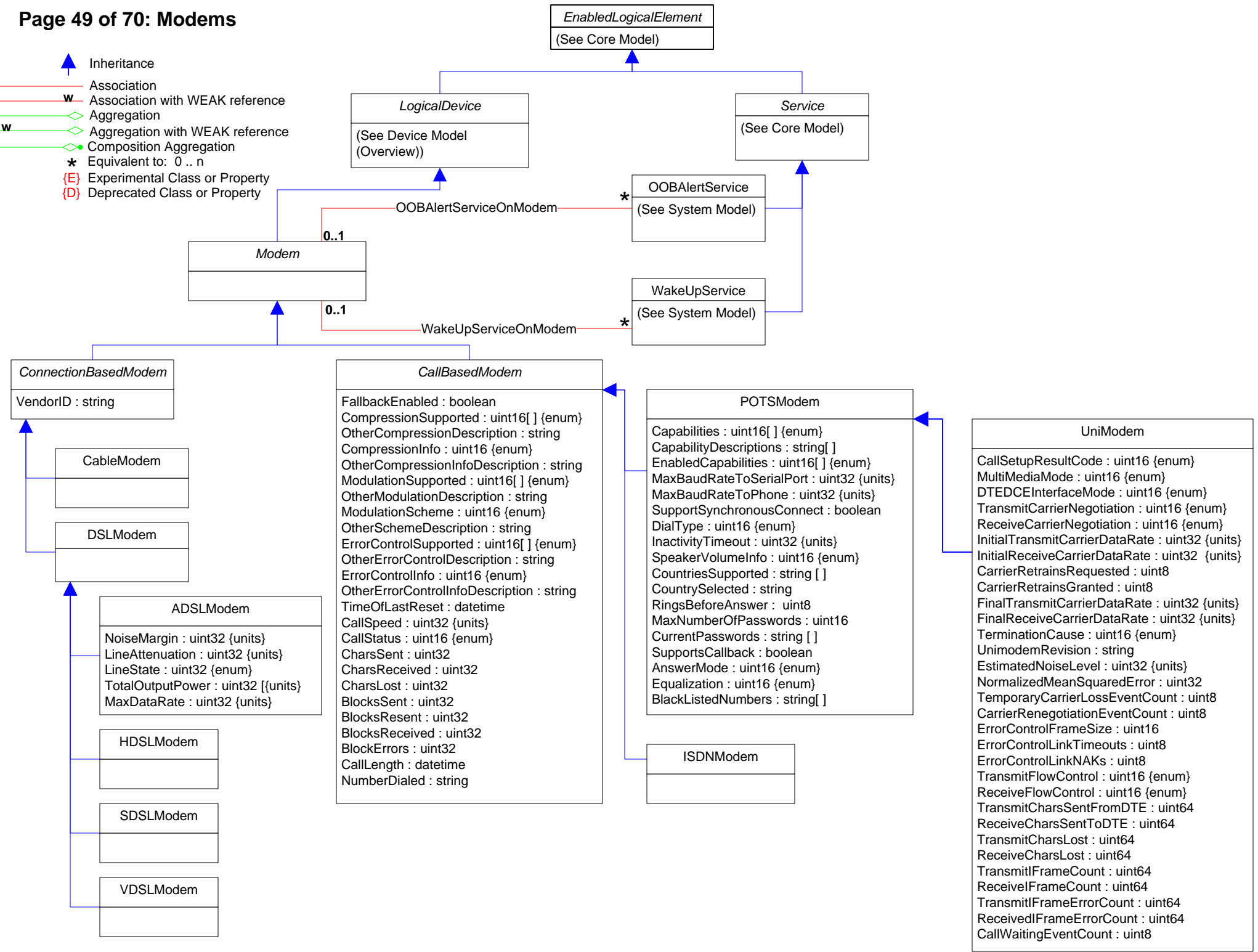


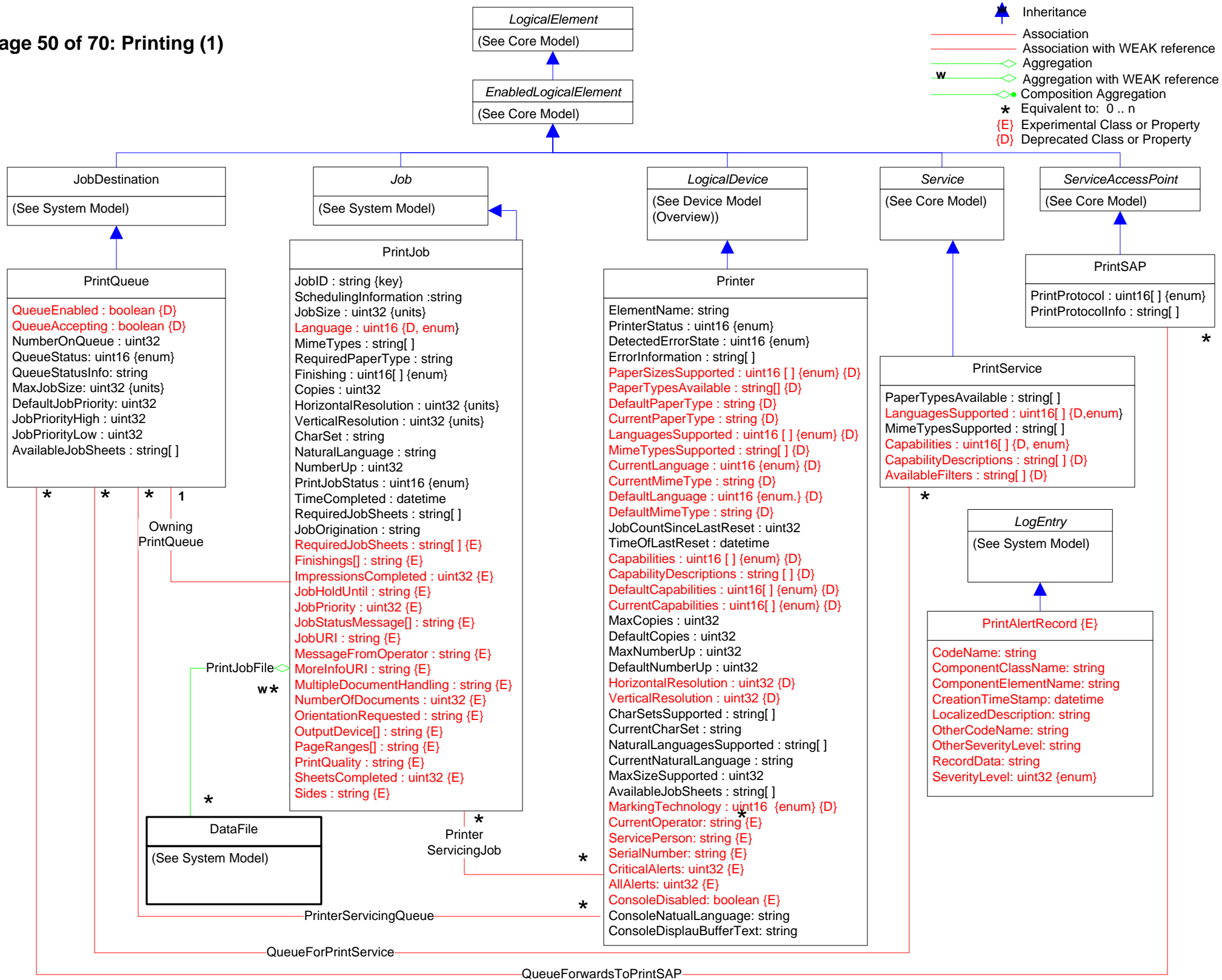
Page 48 of 70: Memory (2)

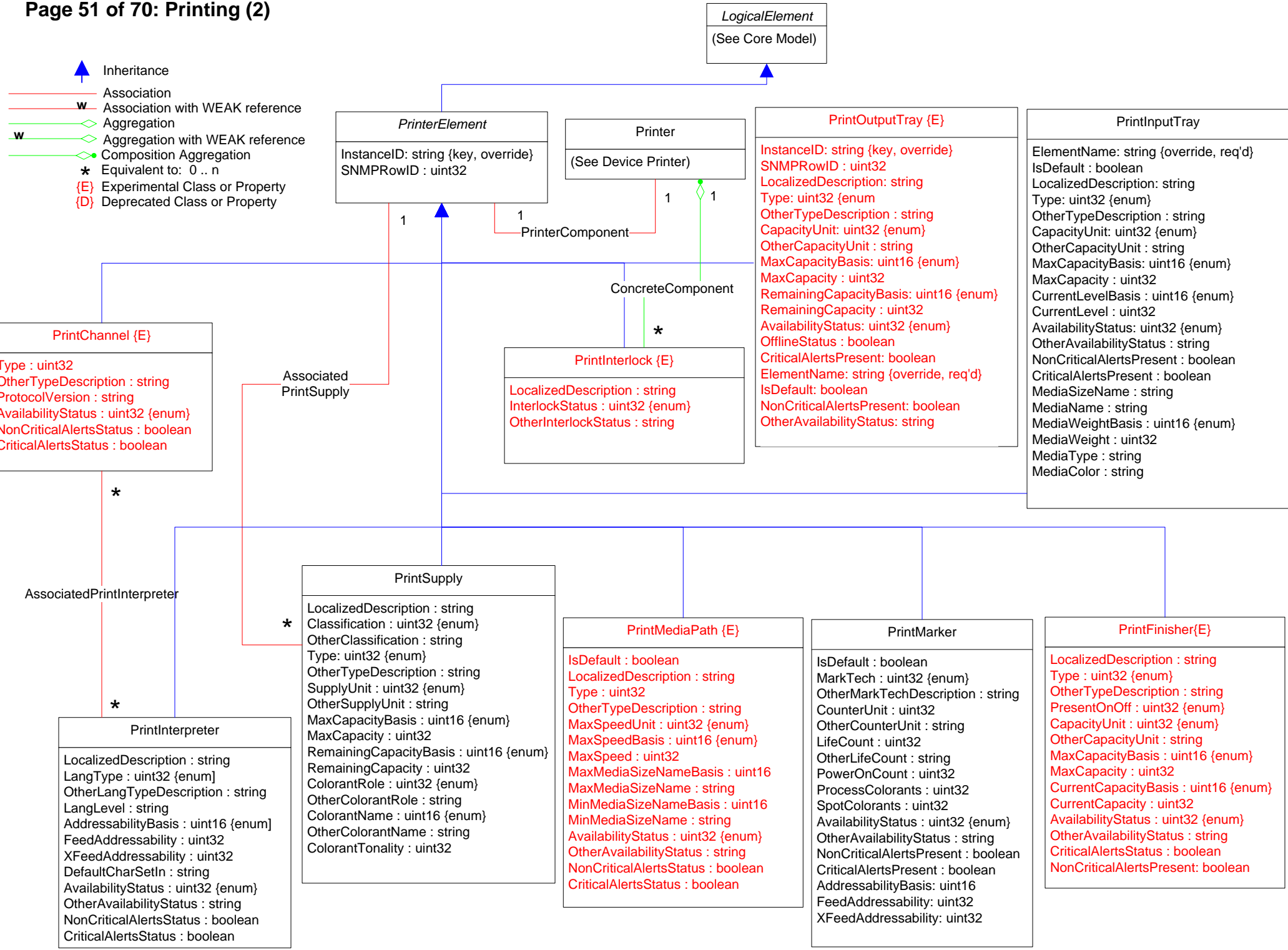
-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0 .. n
-  {E} Experimental Class or Property
-  {D} Deprecated Class or Property

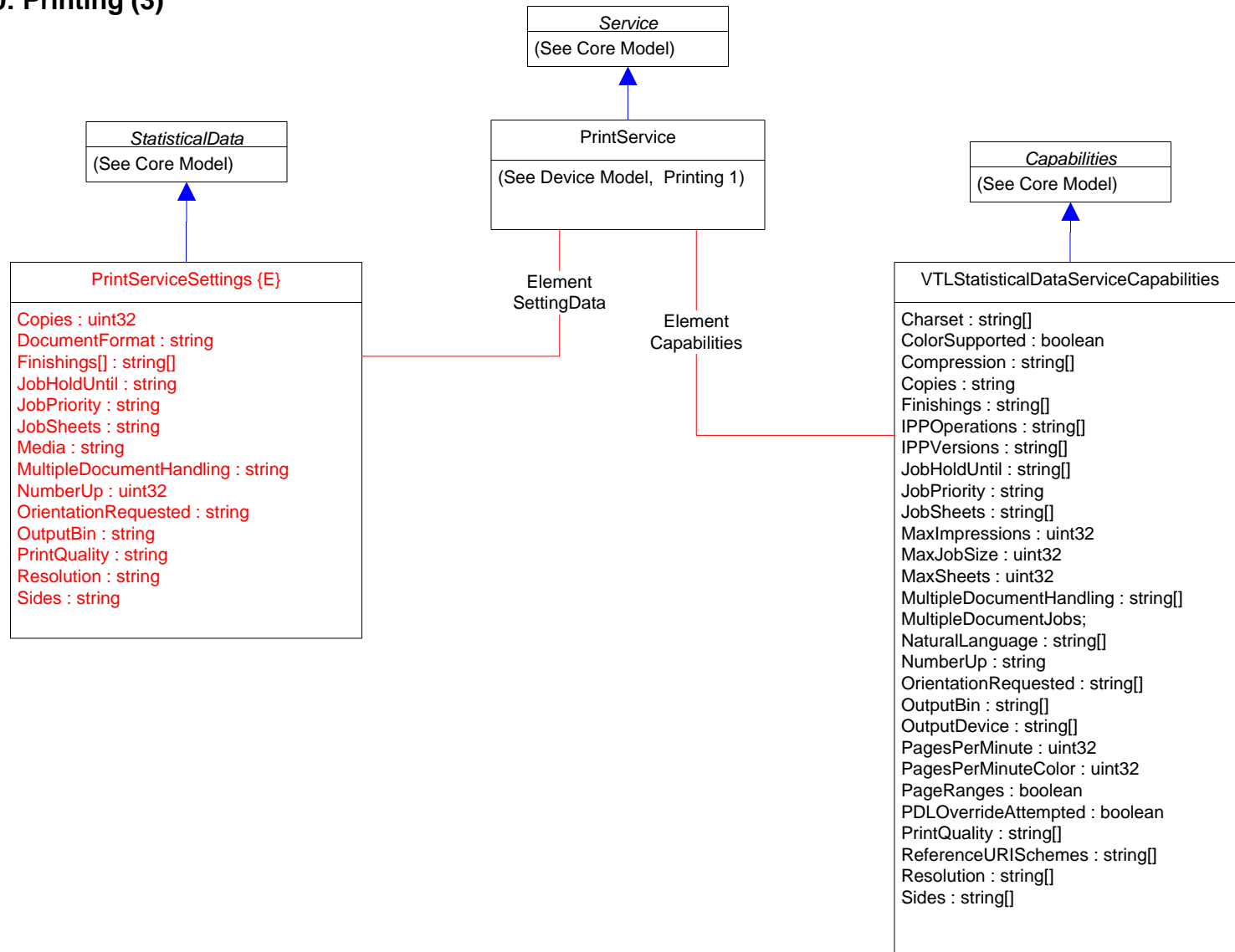


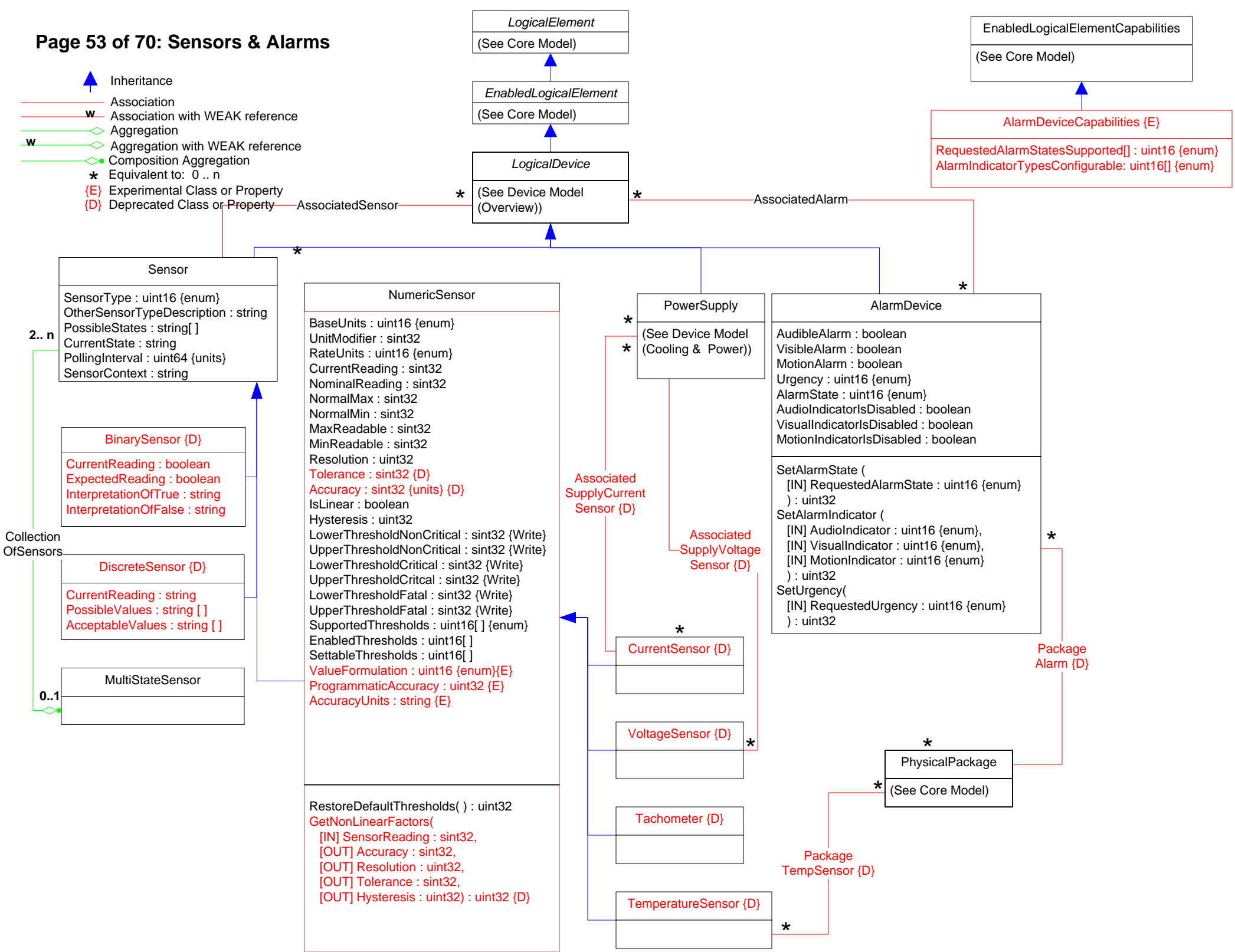
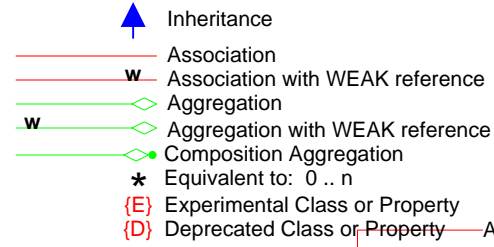
-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0..n
-  {E} Experimental Class or Property
-  {D} Deprecated Class or Property










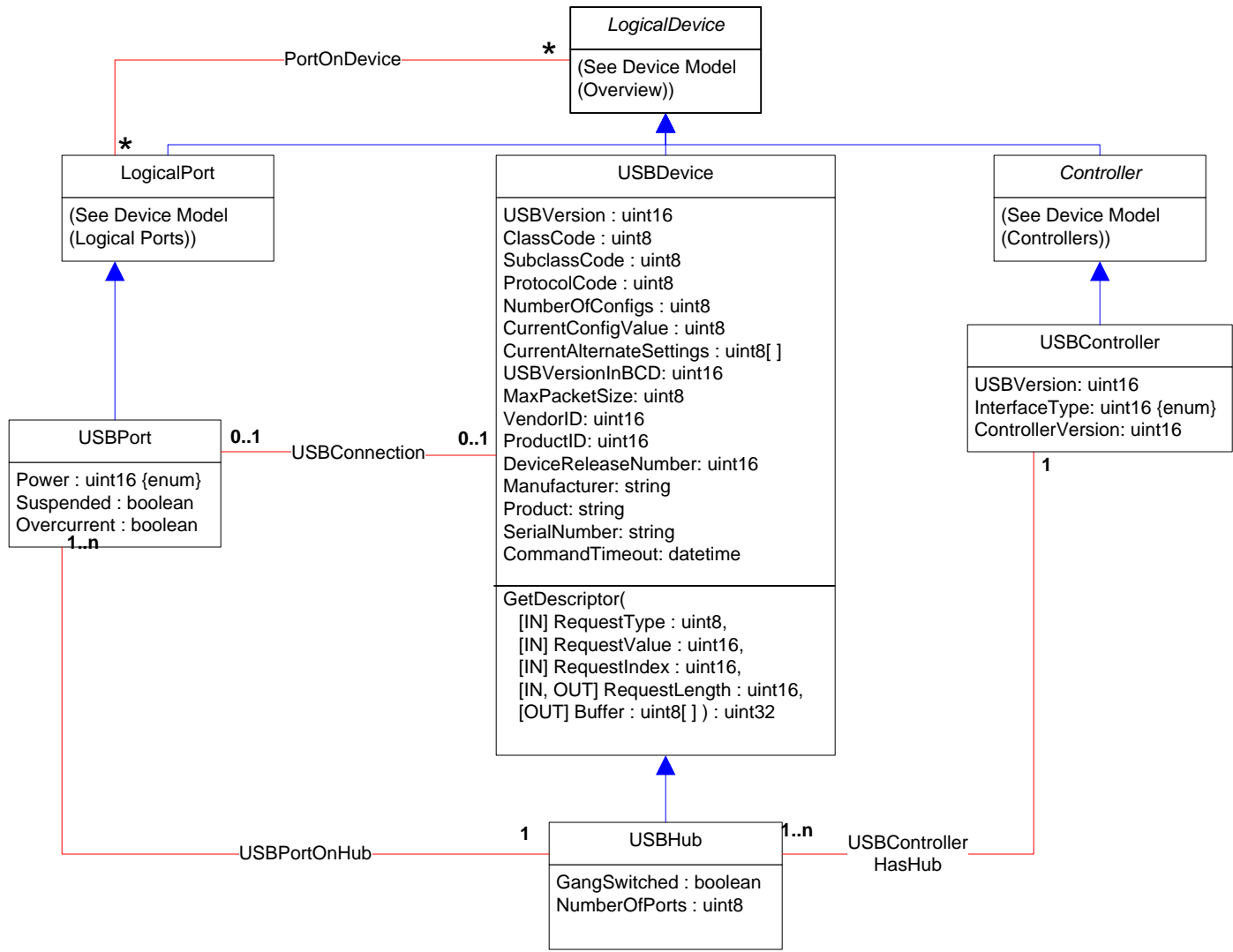







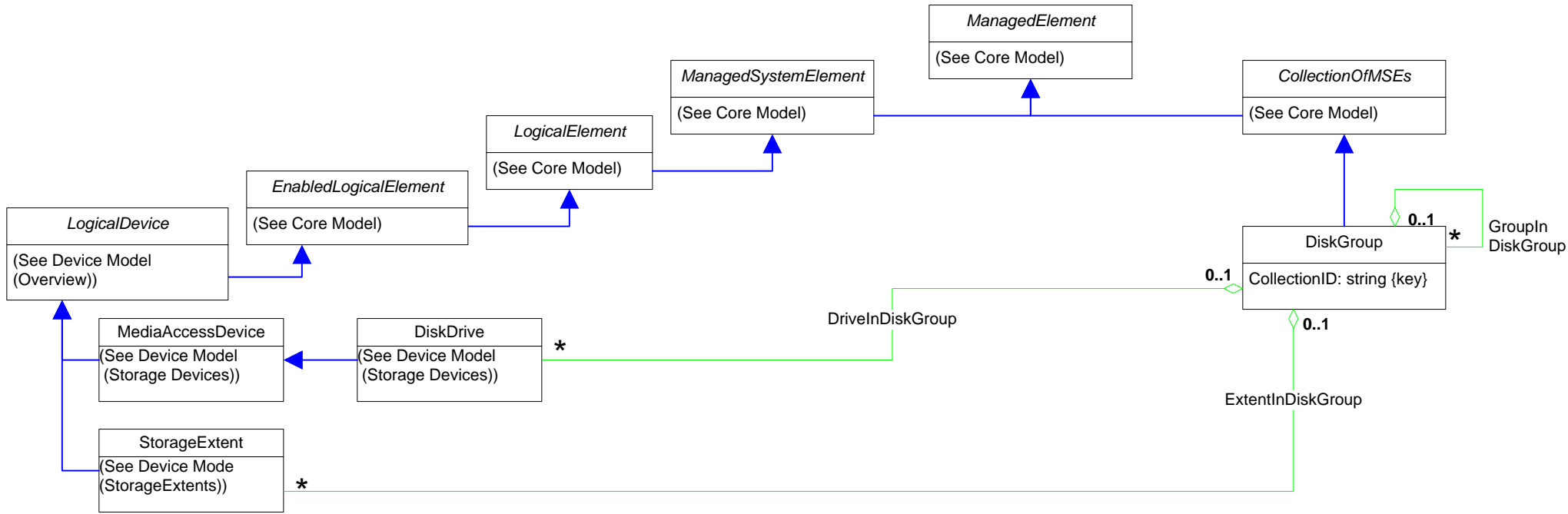


-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0 .. n










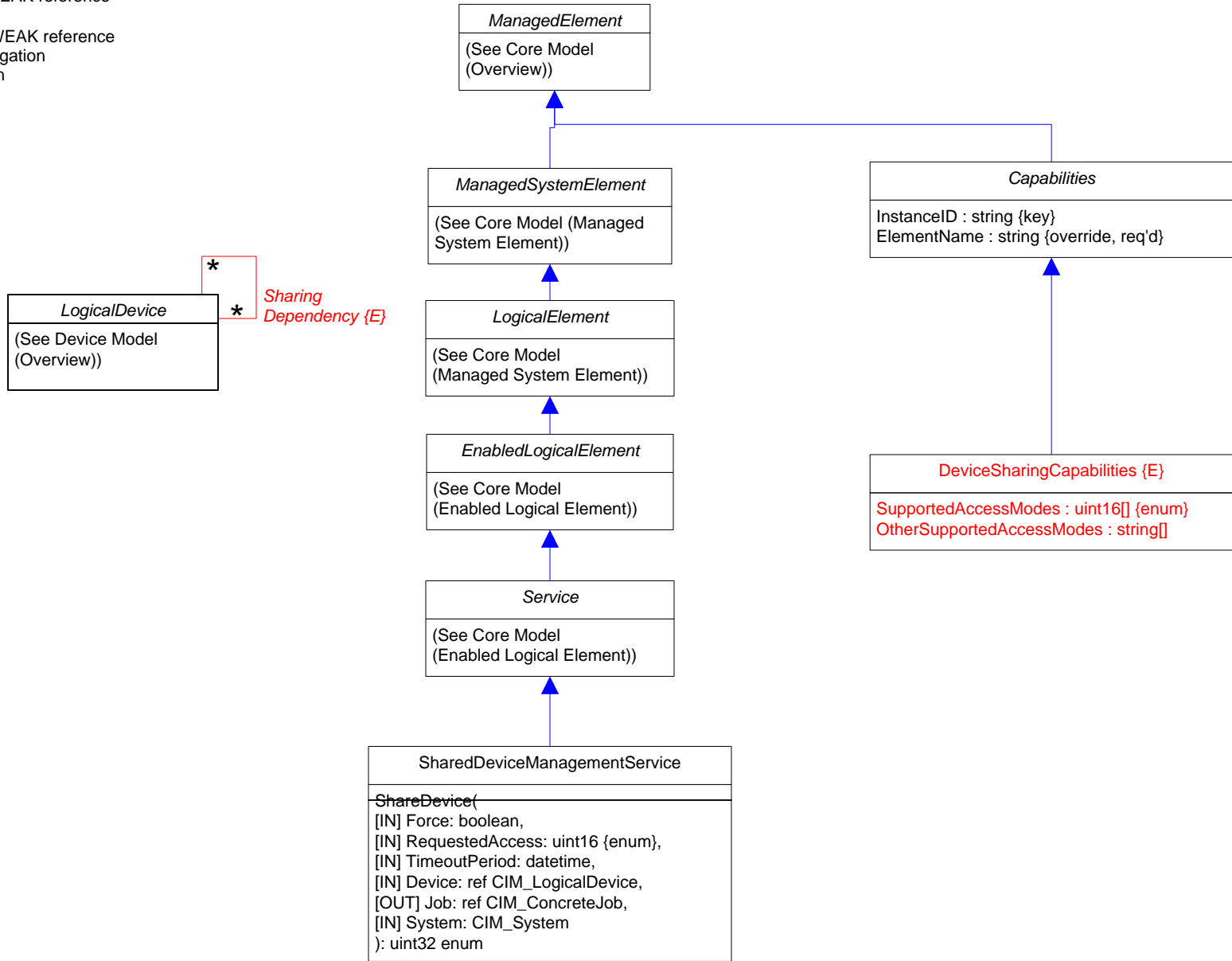
Page 55 of 70: Disk Group





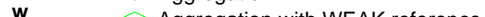
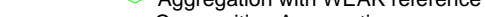

-  Inheritance
- Association
- Association with WEAK reference
- Aggregation
- Aggregation with WEAK reference
- Composition Aggregation
- Equivalent to: 0..n

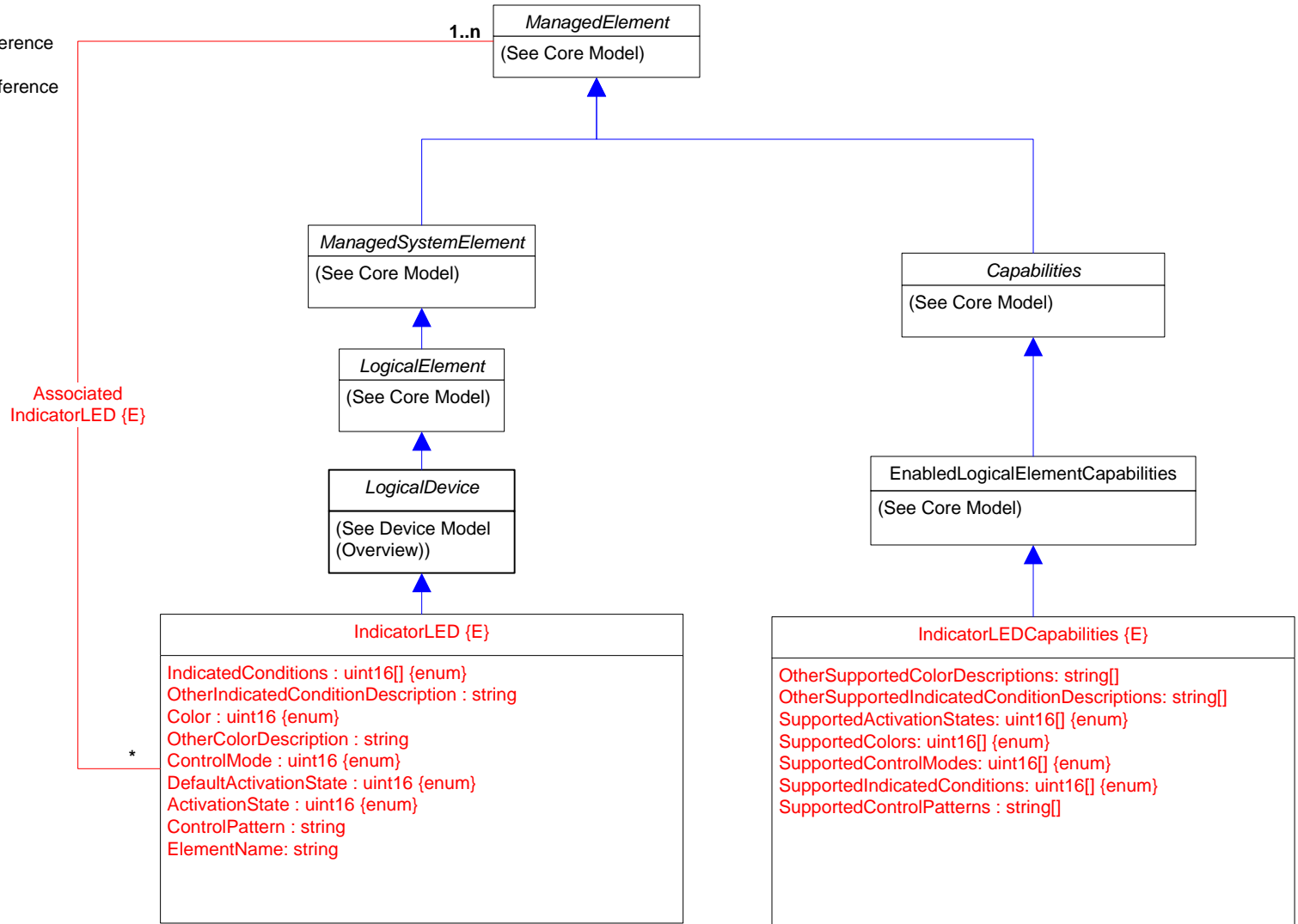











Page 56 of 70: Device Sharing

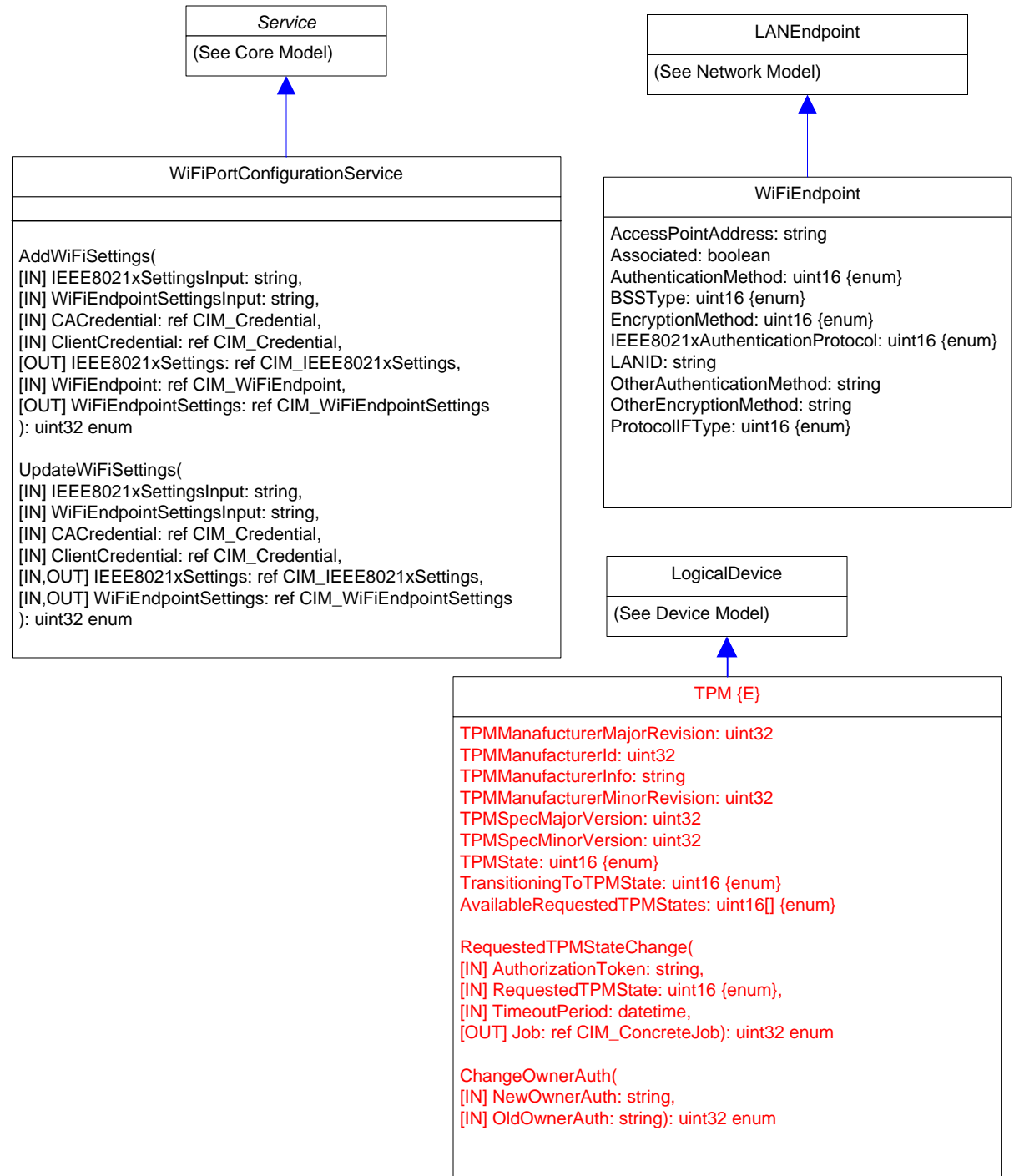
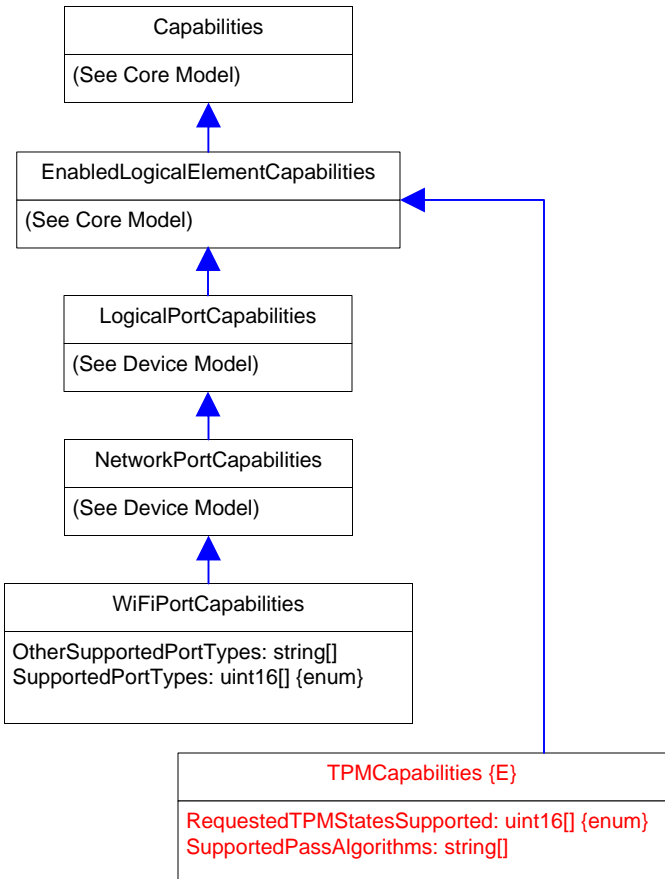
-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0..n

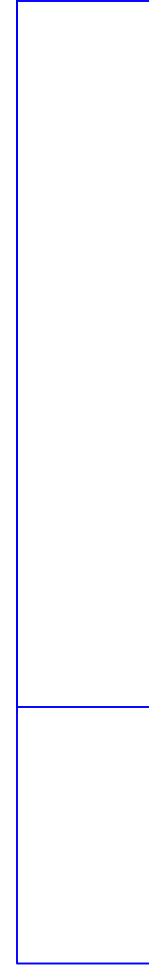
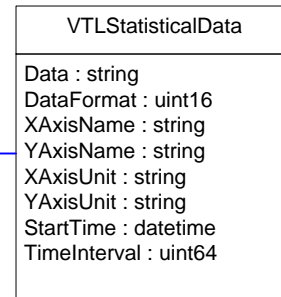
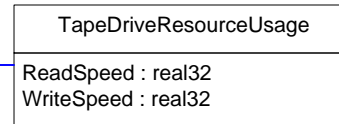
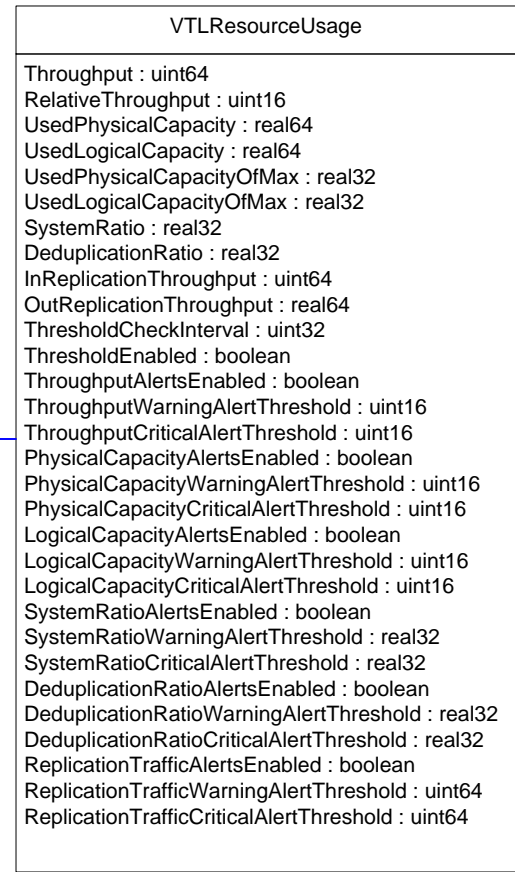
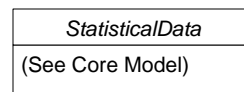
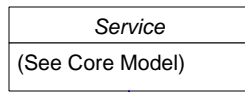


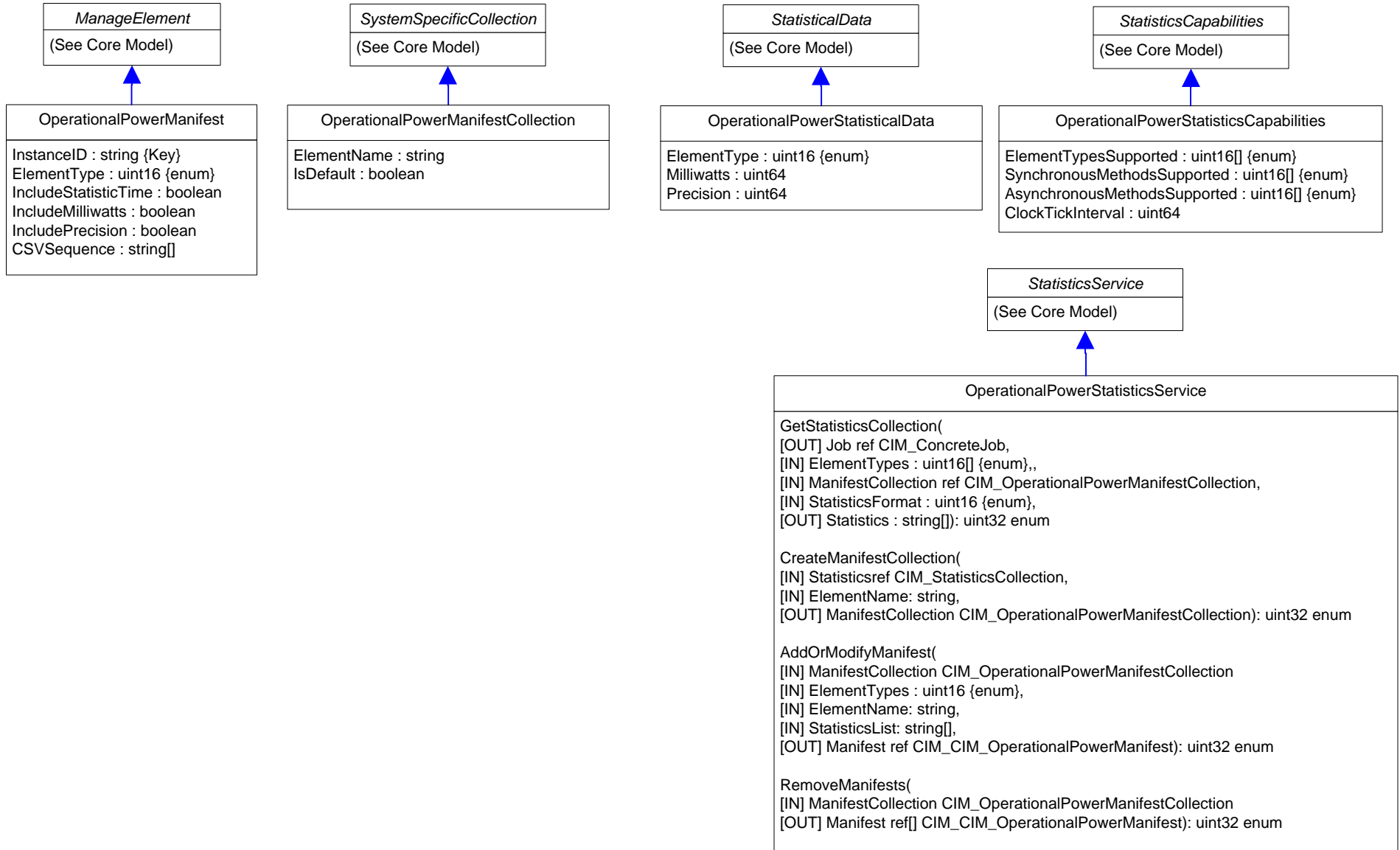
-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0 .. n



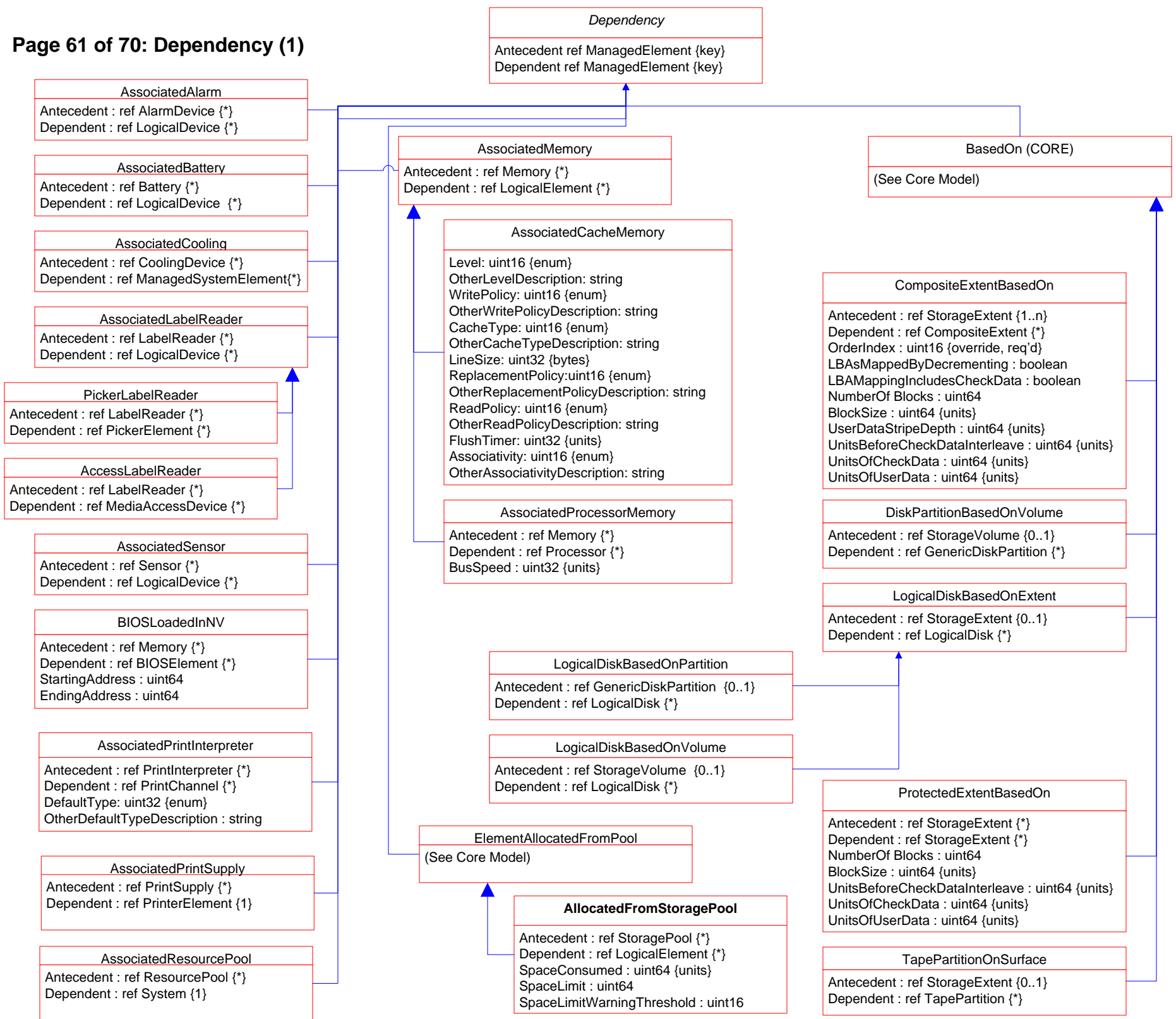
-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0 .. n
-  Experimental Class or Property
-  Deprecated Class or Property



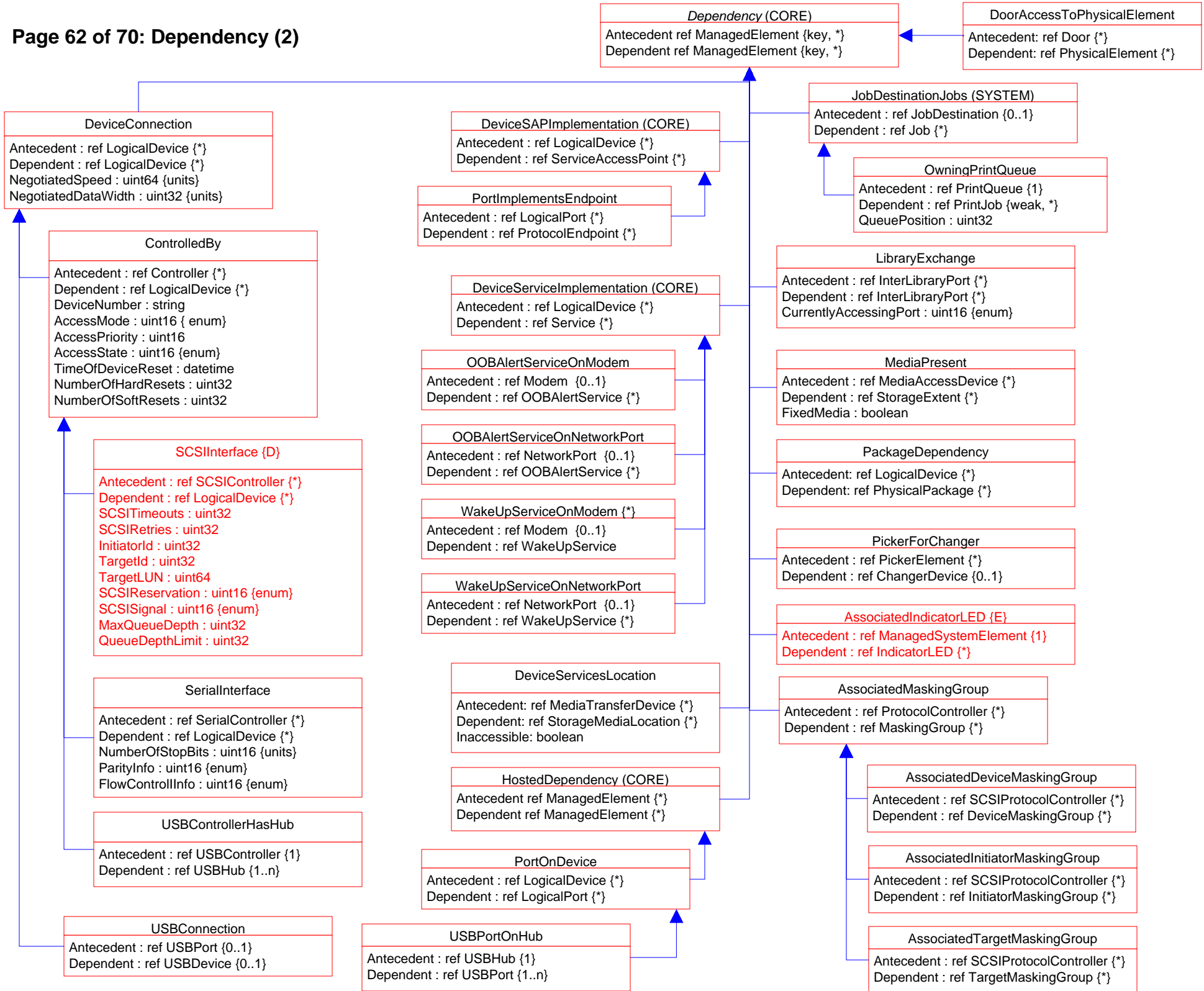


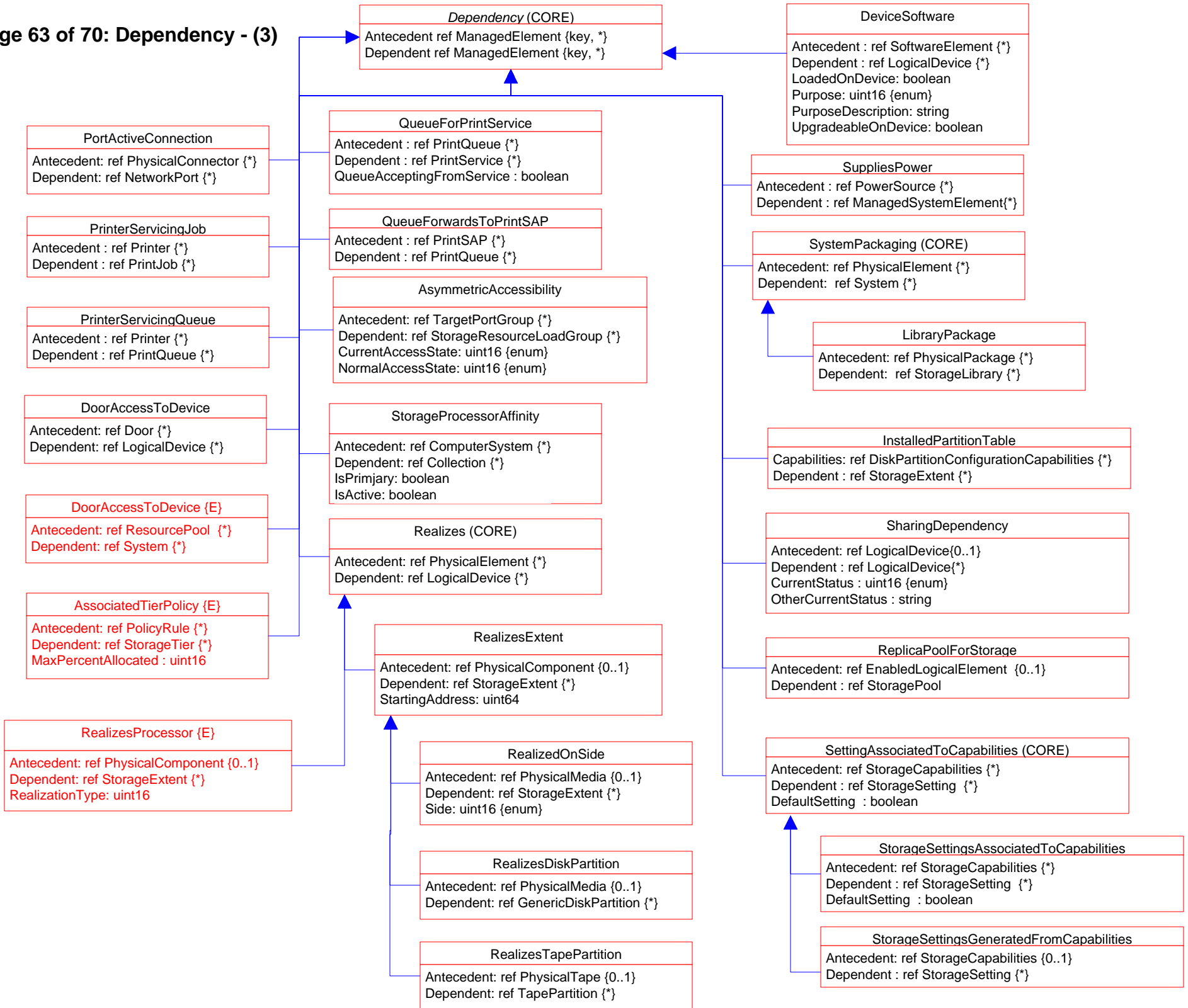


Page 61 of 70: Dependency (1)



Page 62 of 70: Dependency (2)





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

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

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

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

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

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

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

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

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

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

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

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

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

DoorAccessToDevice {E}
 Antecedent: ref ResourcePool {*}
 Dependent: ref System {*}

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

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

AssociatedTierPolicy {E}
 Antecedent: ref PolicyRule {*}
 Dependent: ref StorageTier {*}
 MaxPercentAllocated : uint16

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

ReplicaPoolForStorage
 Antecedent: ref EnabledLogicalElement {0..1}
 Dependent : ref StoragePool

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

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

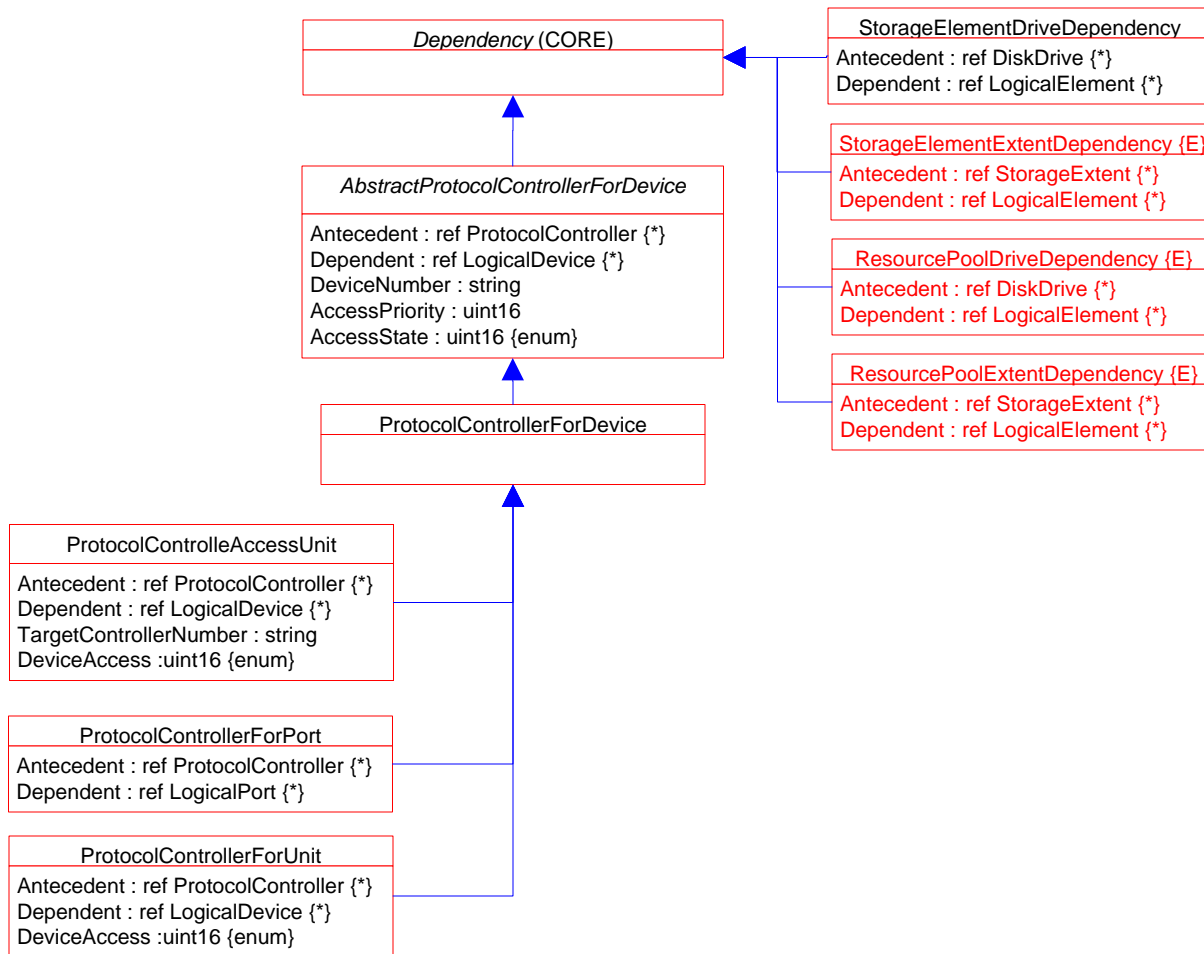
SettingAssociatedToCapabilities (CORE)
 Antecedent: ref StorageCapabilities {*}
 Dependent : ref StorageSetting {*}
 DefaultSetting : boolean

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

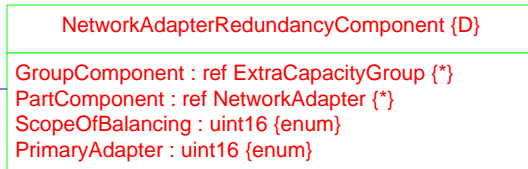
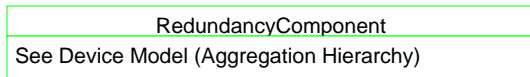
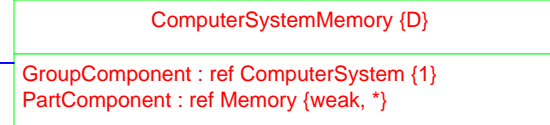
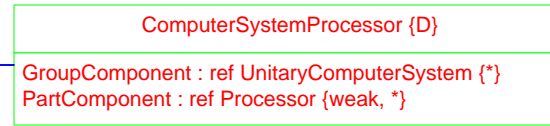
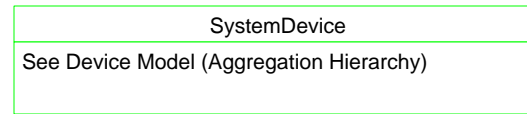
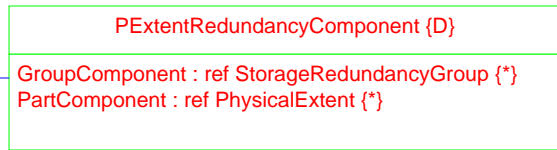
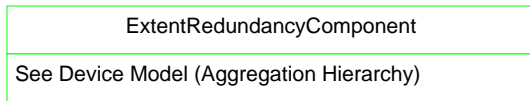
StorageSettingsAssociatedToCapabilities
 Antecedent: ref StorageCapabilities {*}
 Dependent : ref StorageSetting {*}
 DefaultSetting : boolean

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

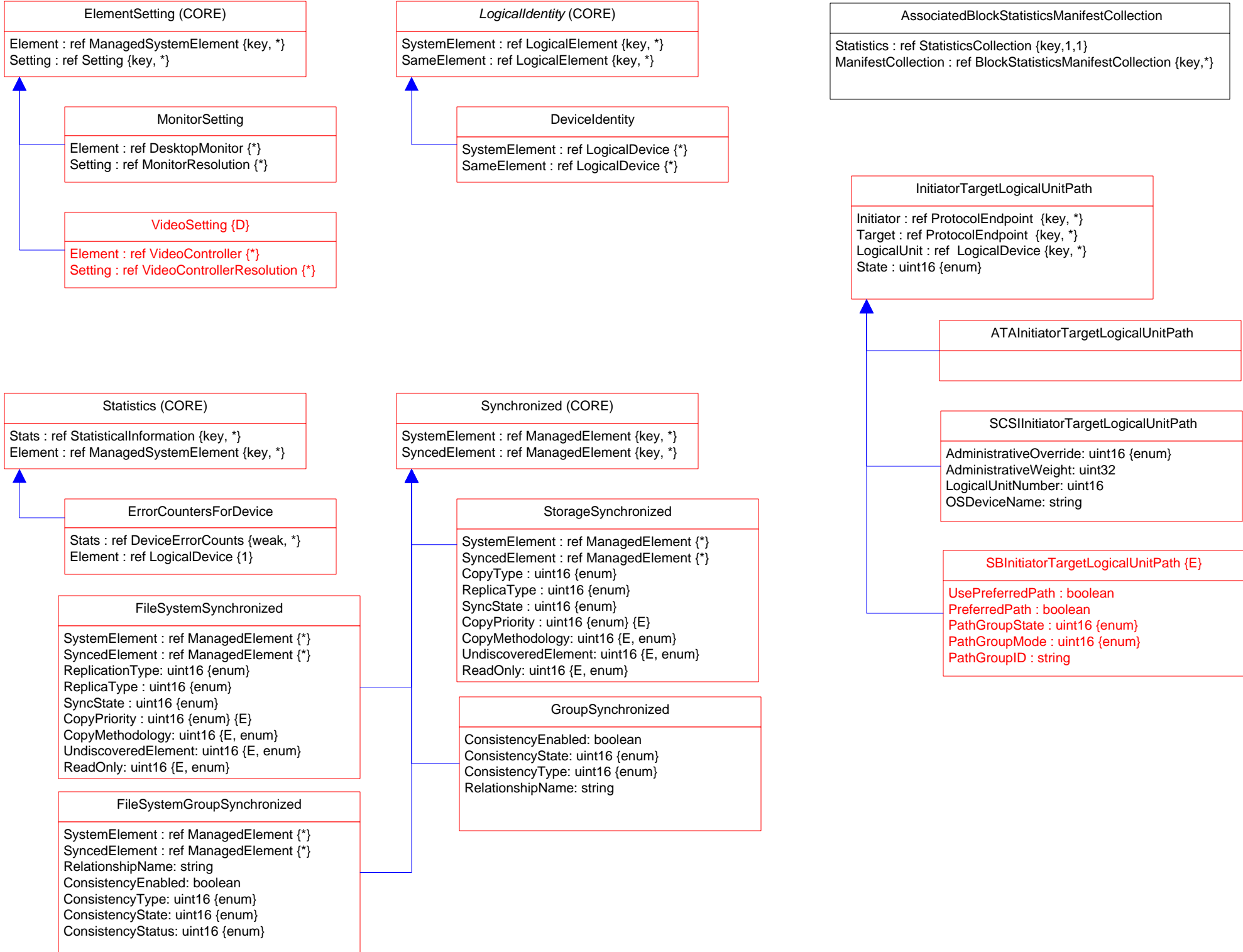
StorageSettingsGeneratedFromCapabilities
 Antecedent: ref StorageCapabilities {0..1}
 Dependent : ref StorageSetting {*}



Page 65 of 70: Aggregation Deprecation



Page 66 of 70: Association Hierarchy



ElementSetting (CORE)
 Element : ref ManagedSystemElement {key, *}
 Setting : ref Setting {key, *}

MonitorSetting
 Element : ref DesktopMonitor {*}
 Setting : ref MonitorResolution {*}

VideoSetting {D}
 Element : ref VideoController {*}
 Setting : ref VideoControllerResolution {*}

Statistics (CORE)
 Stats : ref StatisticalInformation {key, *}
 Element : ref ManagedSystemElement {key, *}

ErrorCountersForDevice
 Stats : ref DeviceErrorCounts {weak, *}
 Element : ref LogicalDevice {1}

FileSystemSynchronized
 SystemElement : ref ManagedElement {*}
 SyncedElement : ref ManagedElement {*}
 ReplicationType: uint16 {enum}
 ReplicaType : uint16 {enum}
 SyncState : uint16 {enum}
 CopyPriority : uint16 {enum} {E}
 CopyMethodology: uint16 {E, enum}
 UndiscoveredElement: uint16 {E, enum}
 ReadOnly: uint16 {E, enum}

FileSystemGroupSynchronized
 SystemElement : ref ManagedElement {*}
 SyncedElement : ref ManagedElement {*}
 RelationshipName: string
 ConsistencyEnabled: boolean
 ConsistencyType: uint16 {enum}
 ConsistencyState: uint16 {enum}
 ConsistencyStatus: uint16 {enum}

LogicalIdentity (CORE)
 SystemElement : ref LogicalElement {key, *}
 SameElement : ref LogicalElement {key, *}

DeviceIdentity
 SystemElement : ref LogicalDevice {*}
 SameElement : ref LogicalDevice {*}

Synchronized (CORE)
 SystemElement : ref ManagedElement {key, *}
 SyncedElement : ref ManagedElement {key, *}

StorageSynchronized
 SystemElement : ref ManagedElement {*}
 SyncedElement : ref ManagedElement {*}
 CopyType : uint16 {enum}
 ReplicaType : uint16 {enum}
 SyncState : uint16 {enum}
 CopyPriority : uint16 {enum} {E}
 CopyMethodology: uint16 {E, enum}
 UndiscoveredElement: uint16 {E, enum}
 ReadOnly: uint16 {E, enum}

GroupSynchronized
 ConsistencyEnabled: boolean
 ConsistencyState: uint16 {enum}
 ConsistencyType: uint16 {enum}
 RelationshipName: string

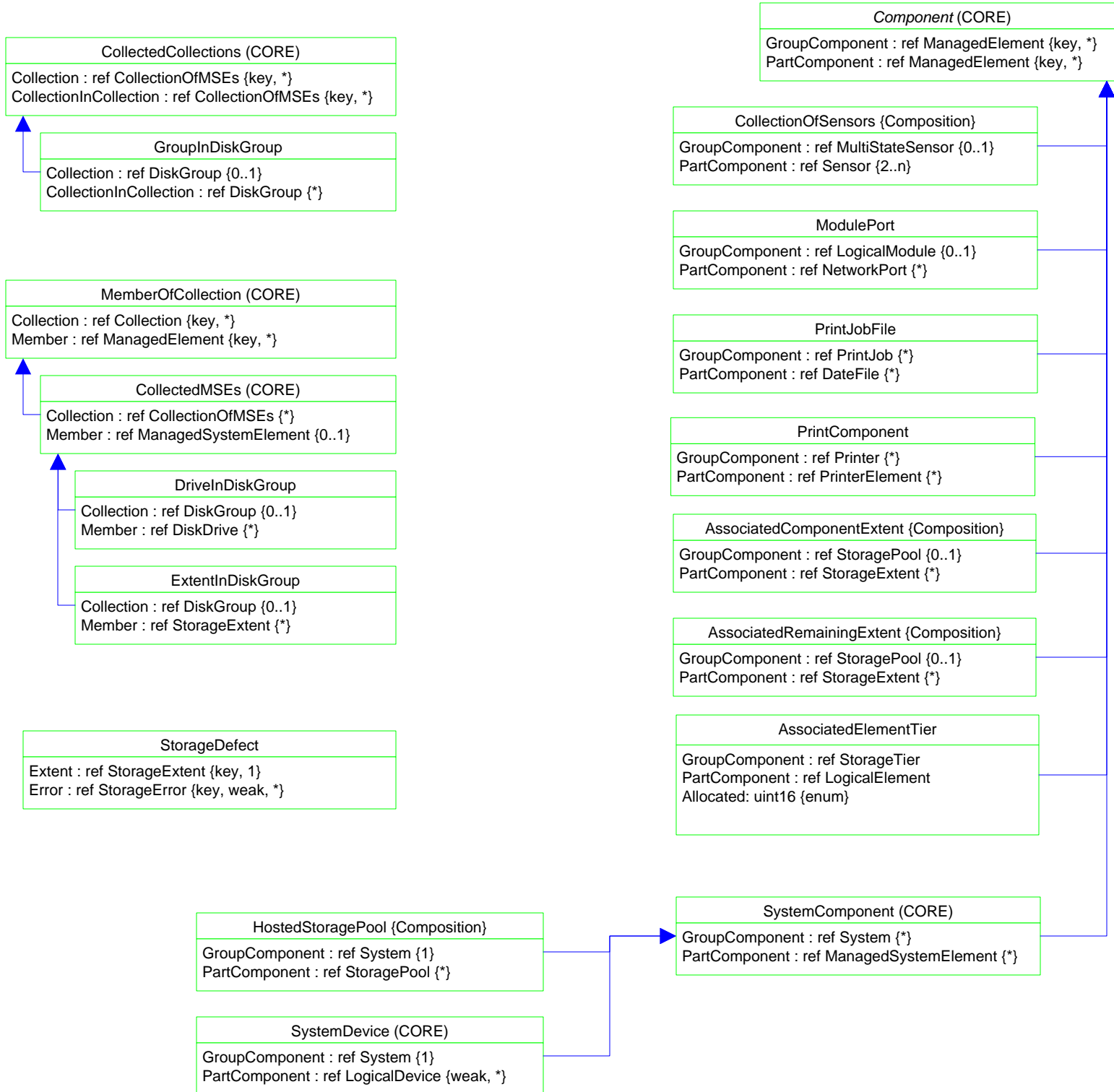
AssociatedBlockStatisticsManifestCollection
 Statistics : ref StatisticsCollection {key, 1, 1}
 ManifestCollection : ref BlockStatisticsManifestCollection {key, *}

InitiatorTargetLogicalUnitPath
 Initiator : ref ProtocolEndpoint {key, *}
 Target : ref ProtocolEndpoint {key, *}
 LogicalUnit : ref LogicalDevice {key, *}
 State : uint16 {enum}

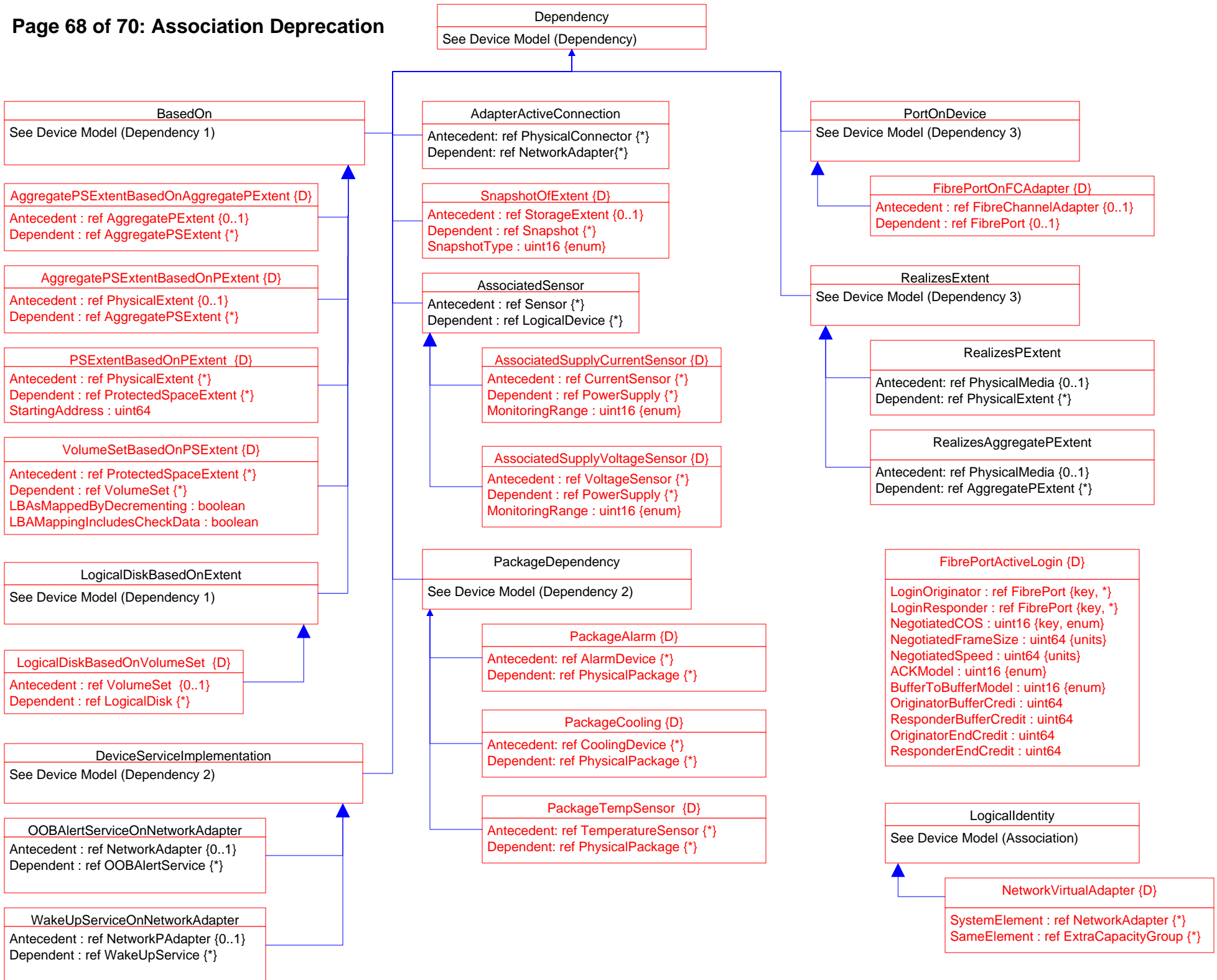
ATAInitiatorTargetLogicalUnitPath

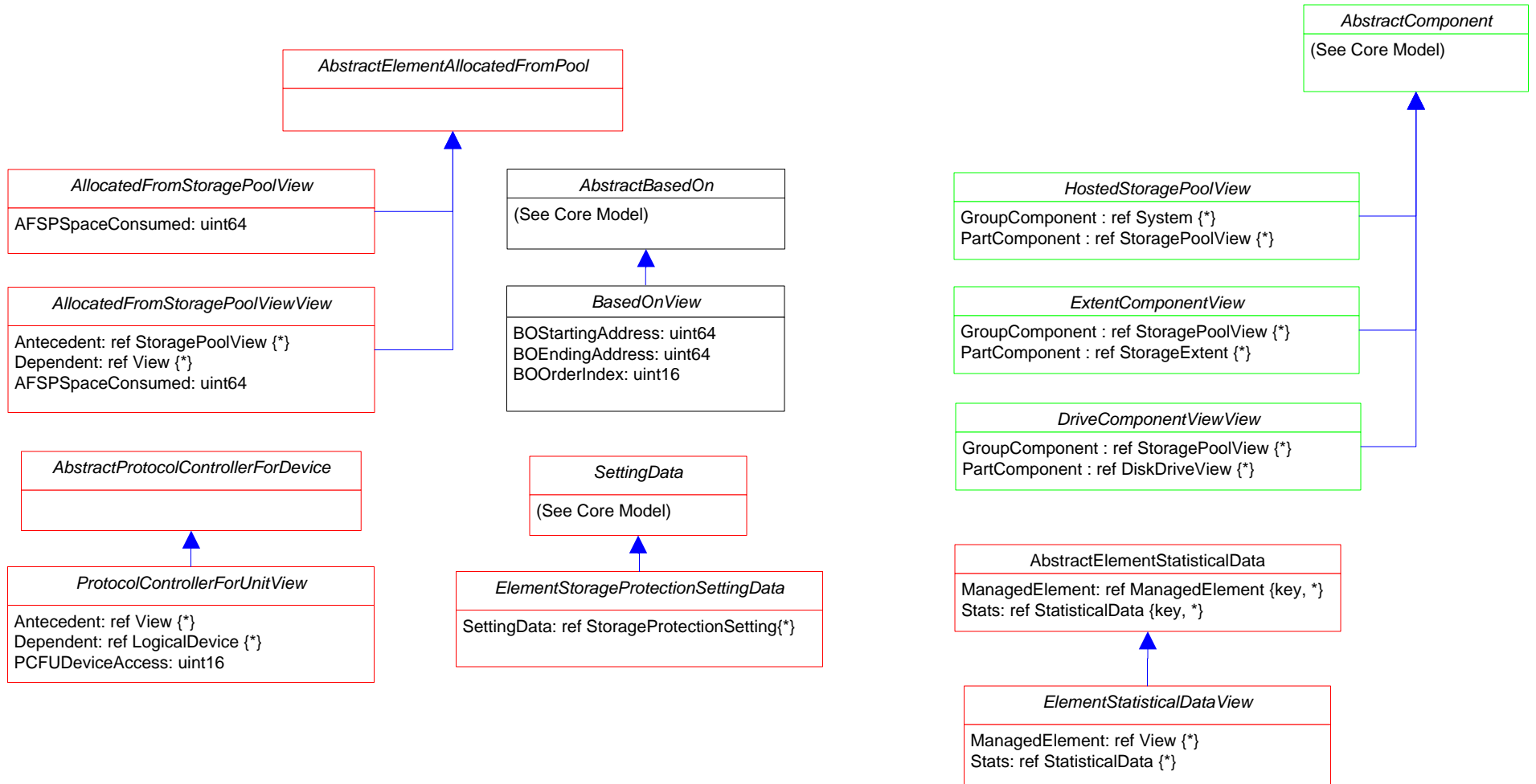
SCSIInitiatorTargetLogicalUnitPath
 AdministrativeOverride: uint16 {enum}
 AdministrativeWeight: uint32
 LogicalUnitNumber: uint16
 OSDeviceName: string

SBIInitiatorTargetLogicalUnitPath {E}
 UsePreferredPath : boolean
 PreferredPath : boolean
 PathGroupState : uint16 {enum}
 PathGroupMode : uint16 {enum}
 PathGroupID : string



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MaskingMappingExposedDeviceView

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

MaskingMapView

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