





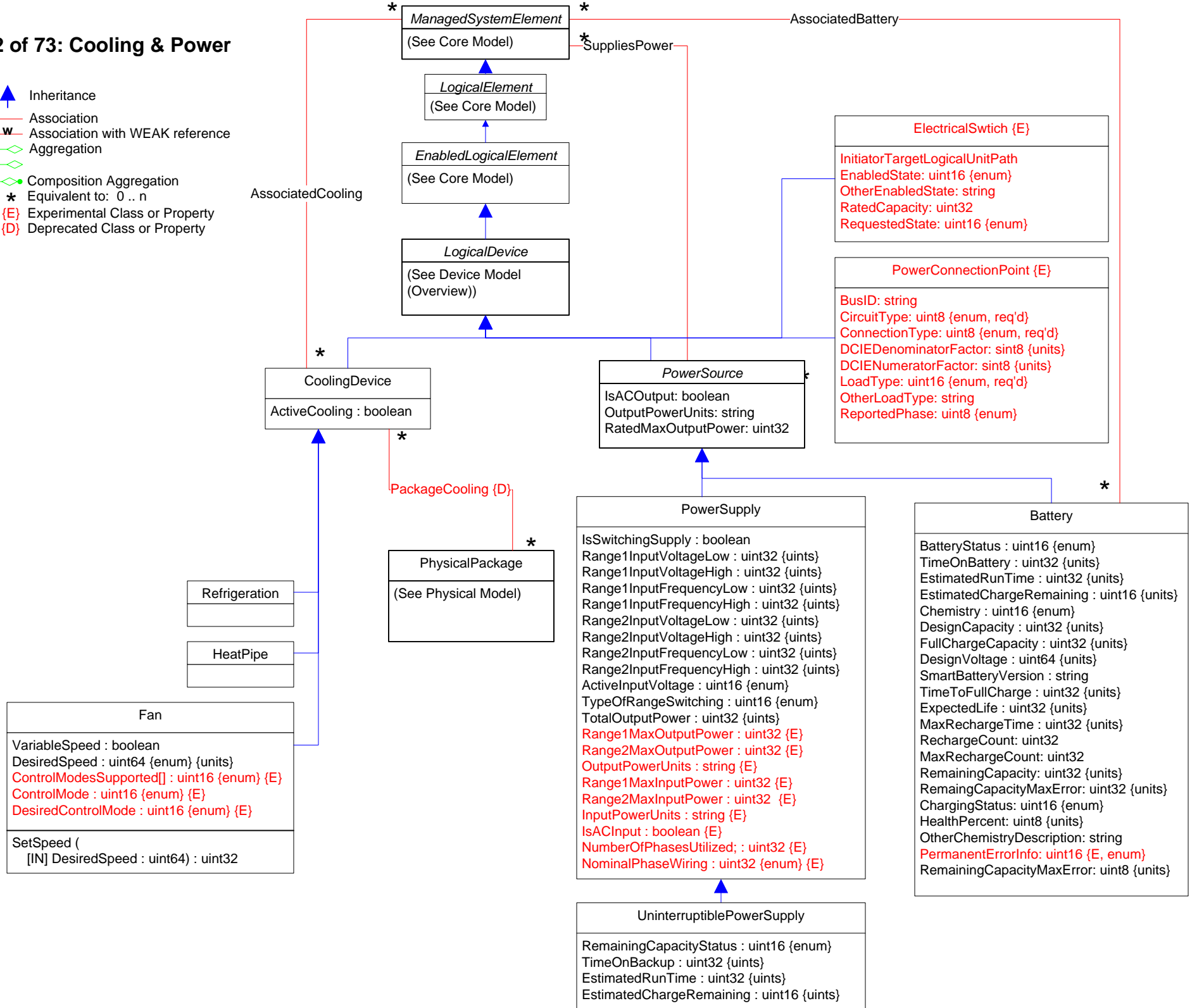
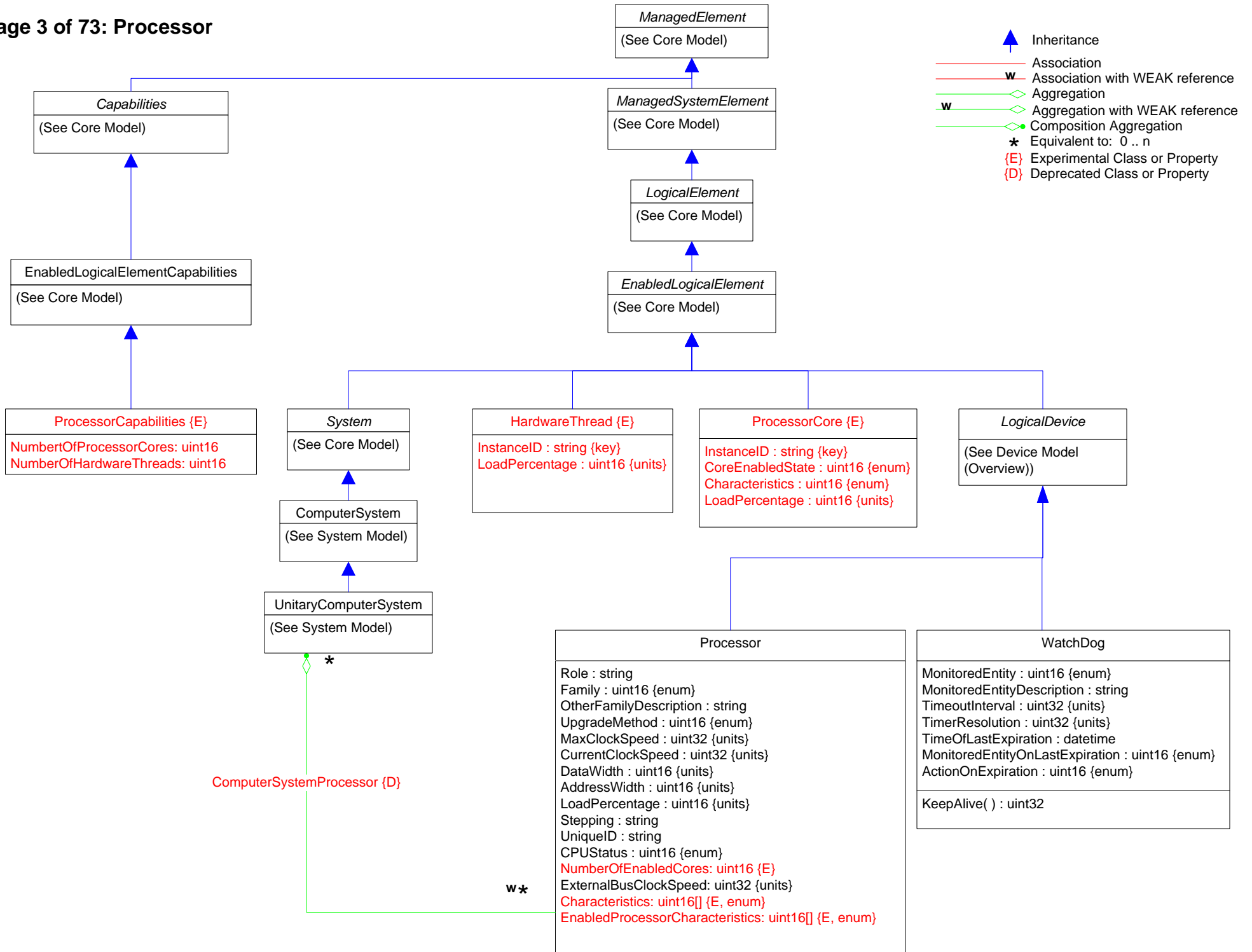













# Page 2 of 73: Cooling & Power

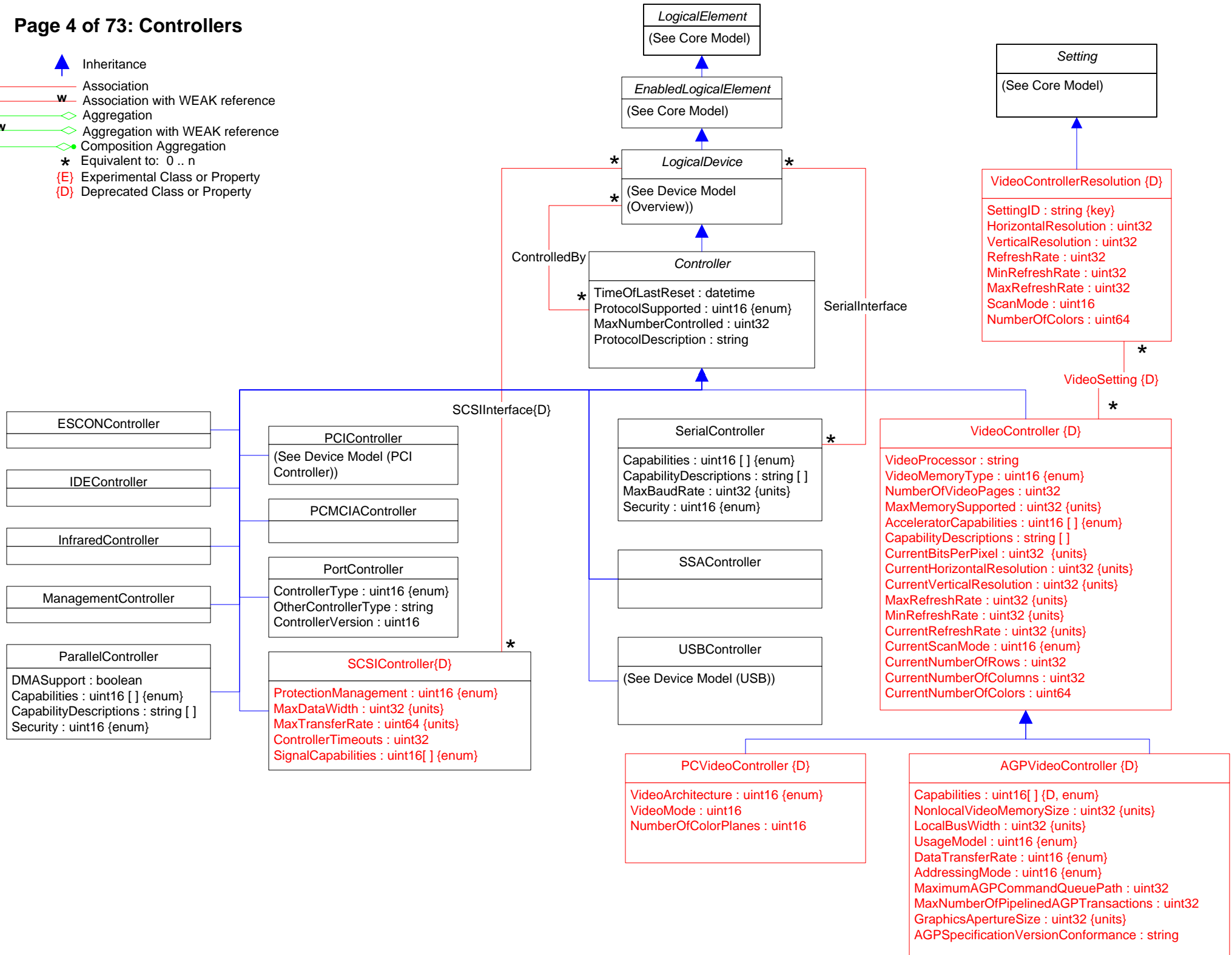
-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Composition Aggregation
-  Equivalent to: 0..n
- (E) Experimental Class or Property
- (D) Deprecated Class or Property














# Page 4 of 73: Controllers

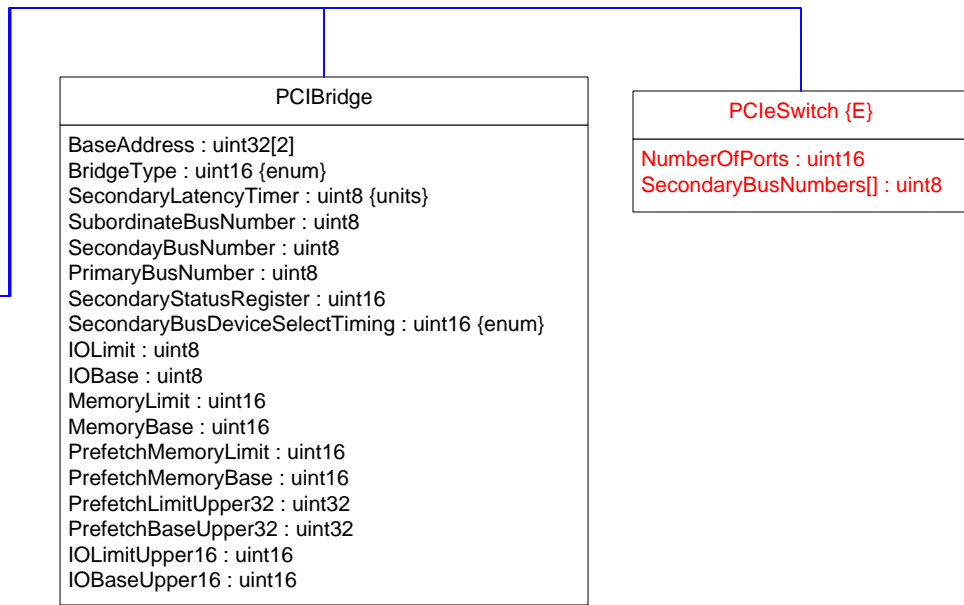
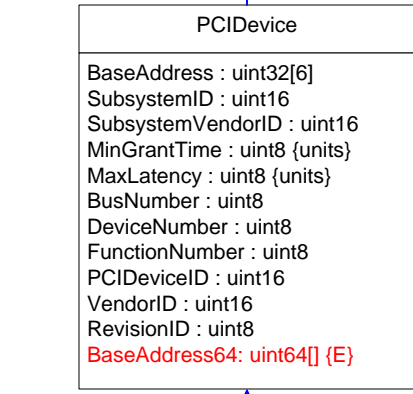
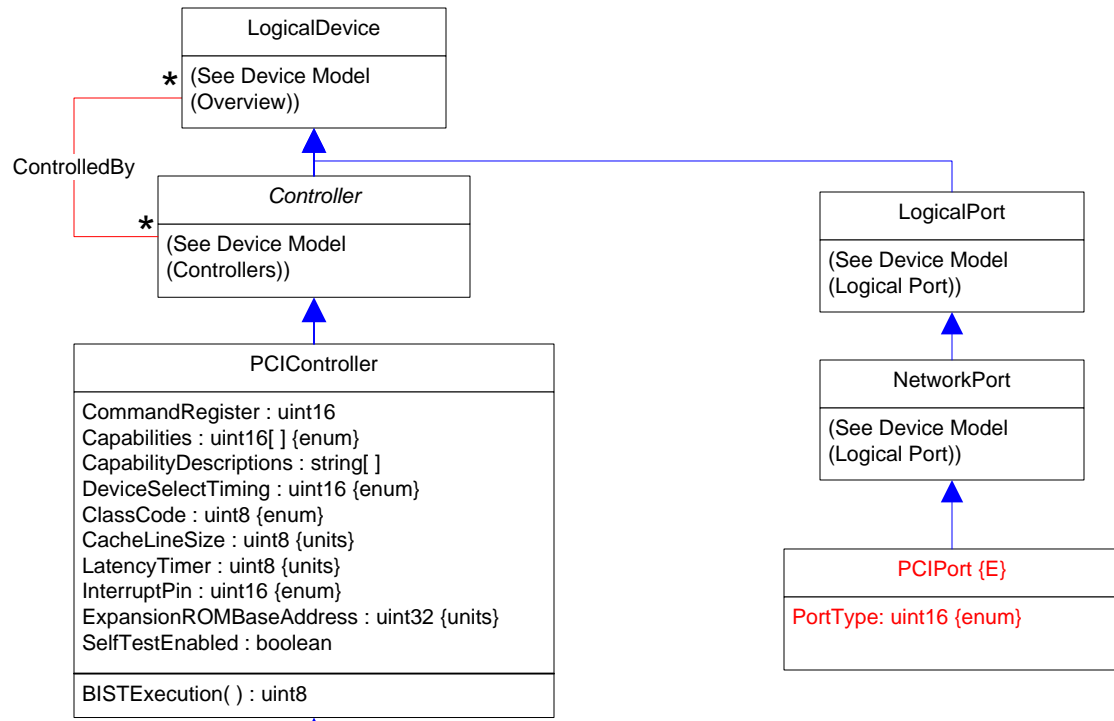
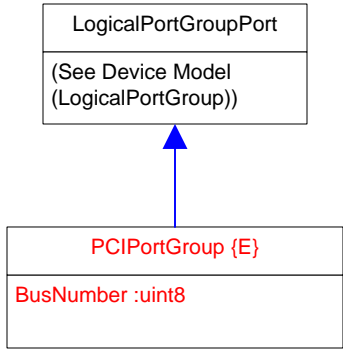
-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0 .. n
-  Experimental Class or Property
-  Deprecated Class or Property



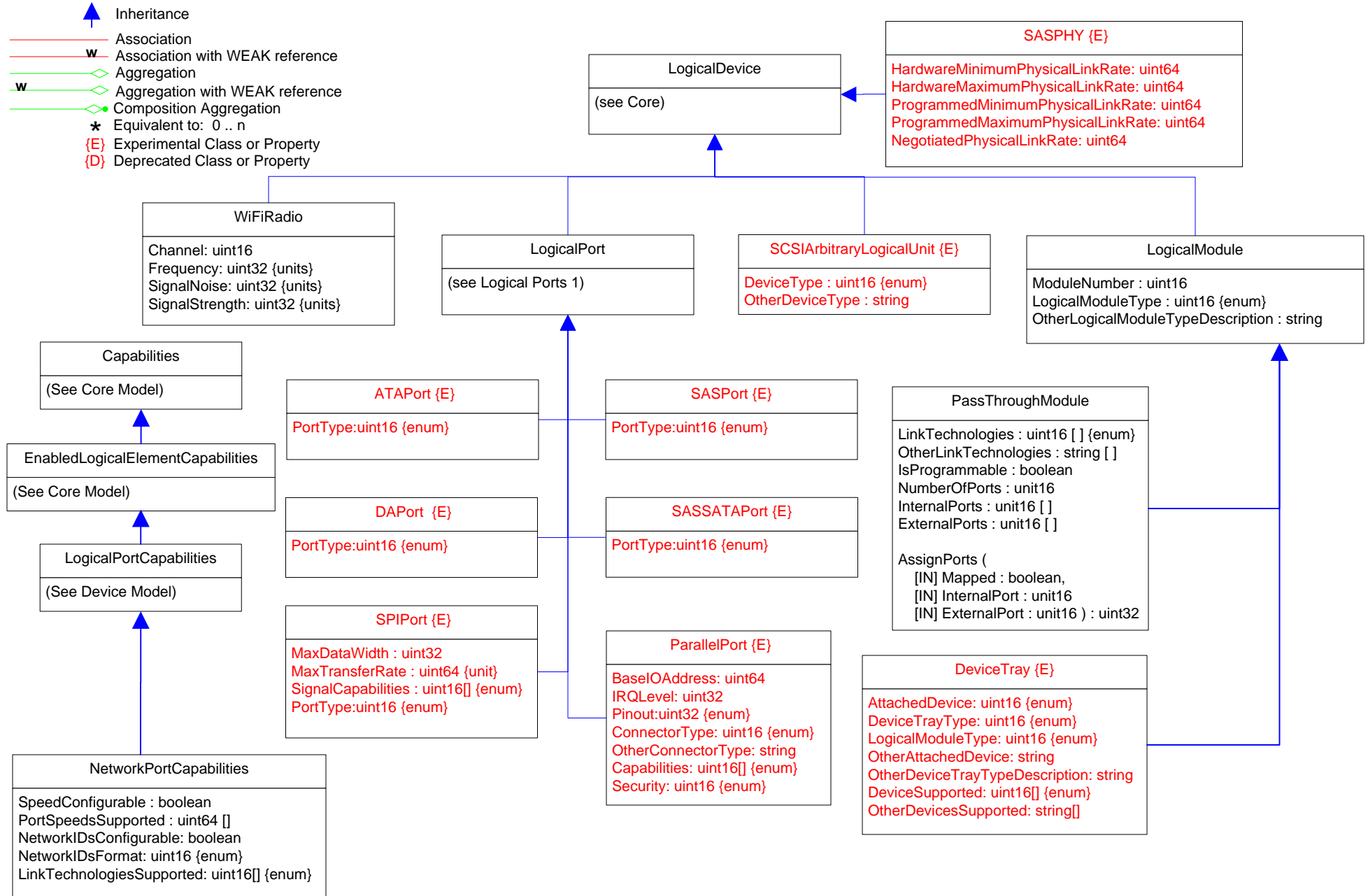


# Page 6 of 73: PCI Controllers










-  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

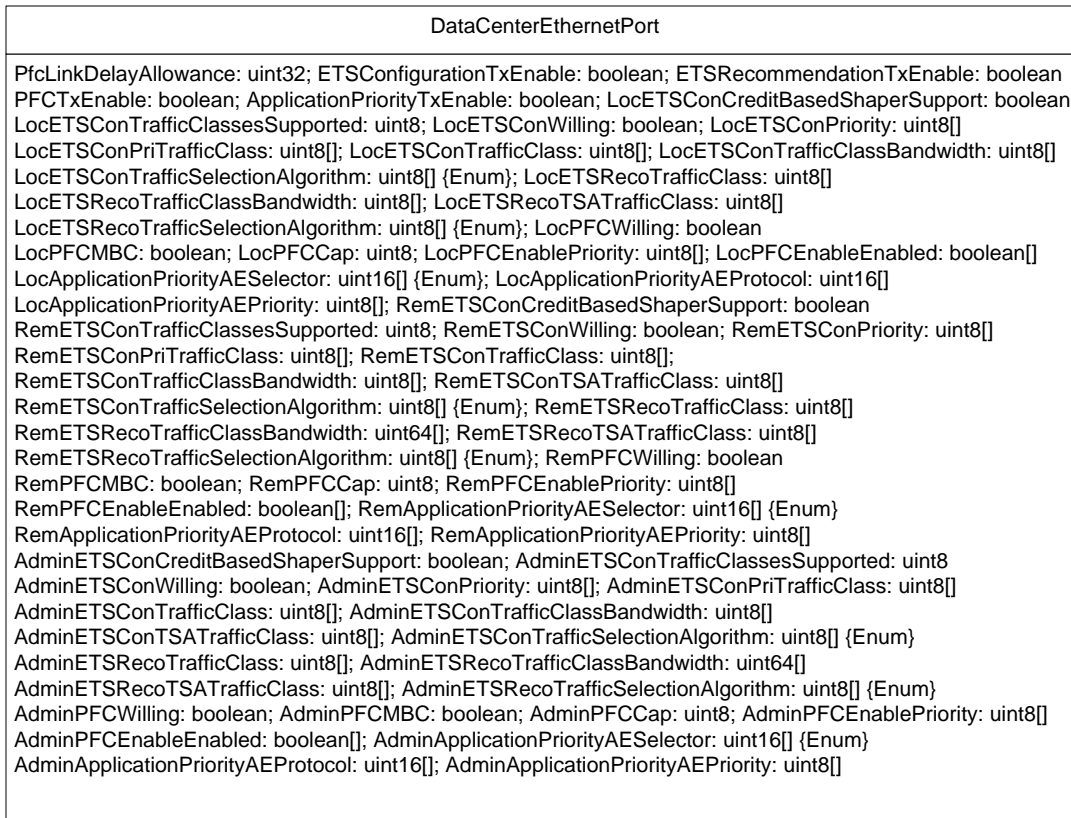
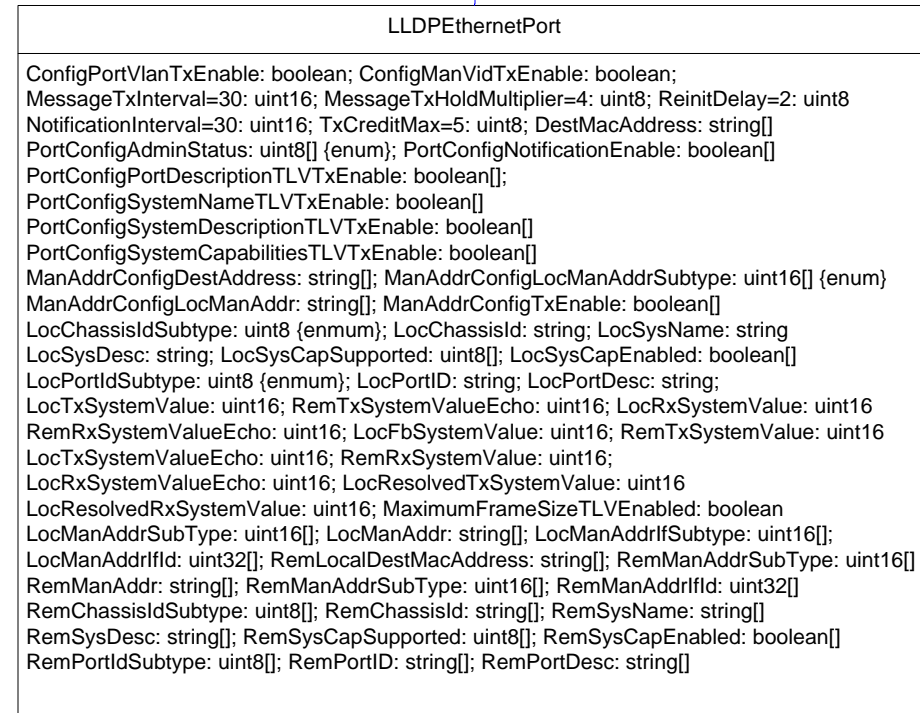
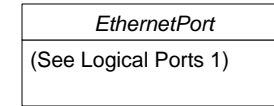


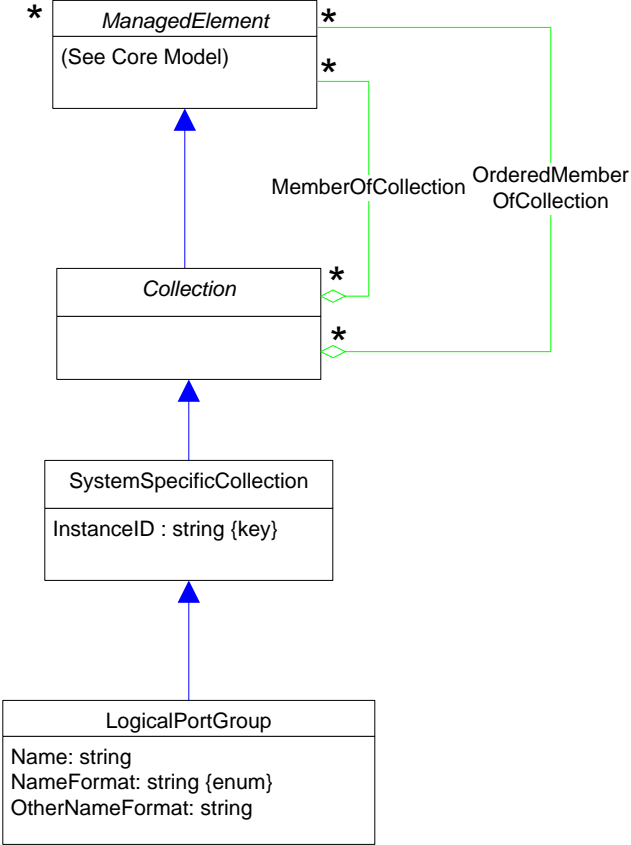




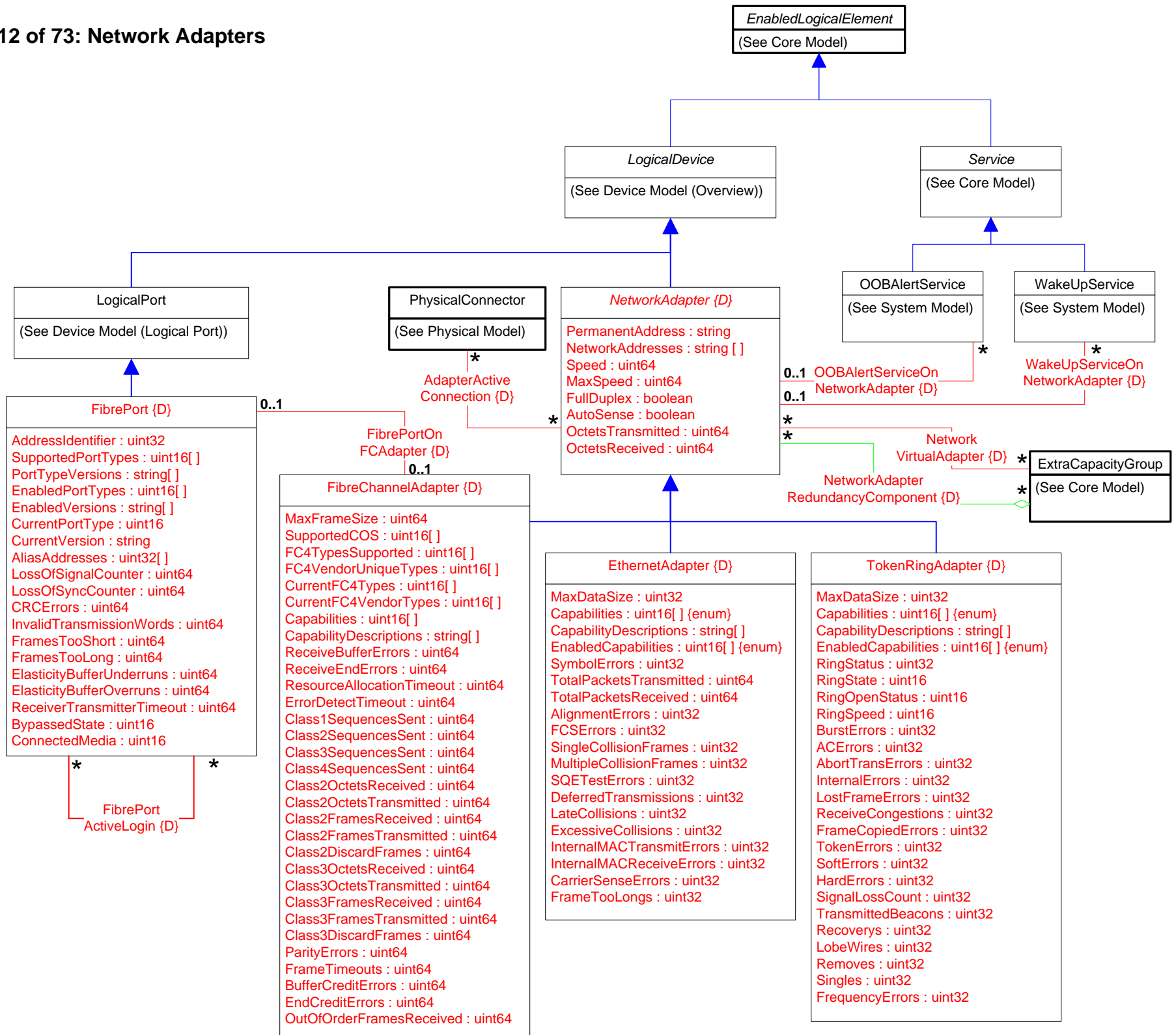


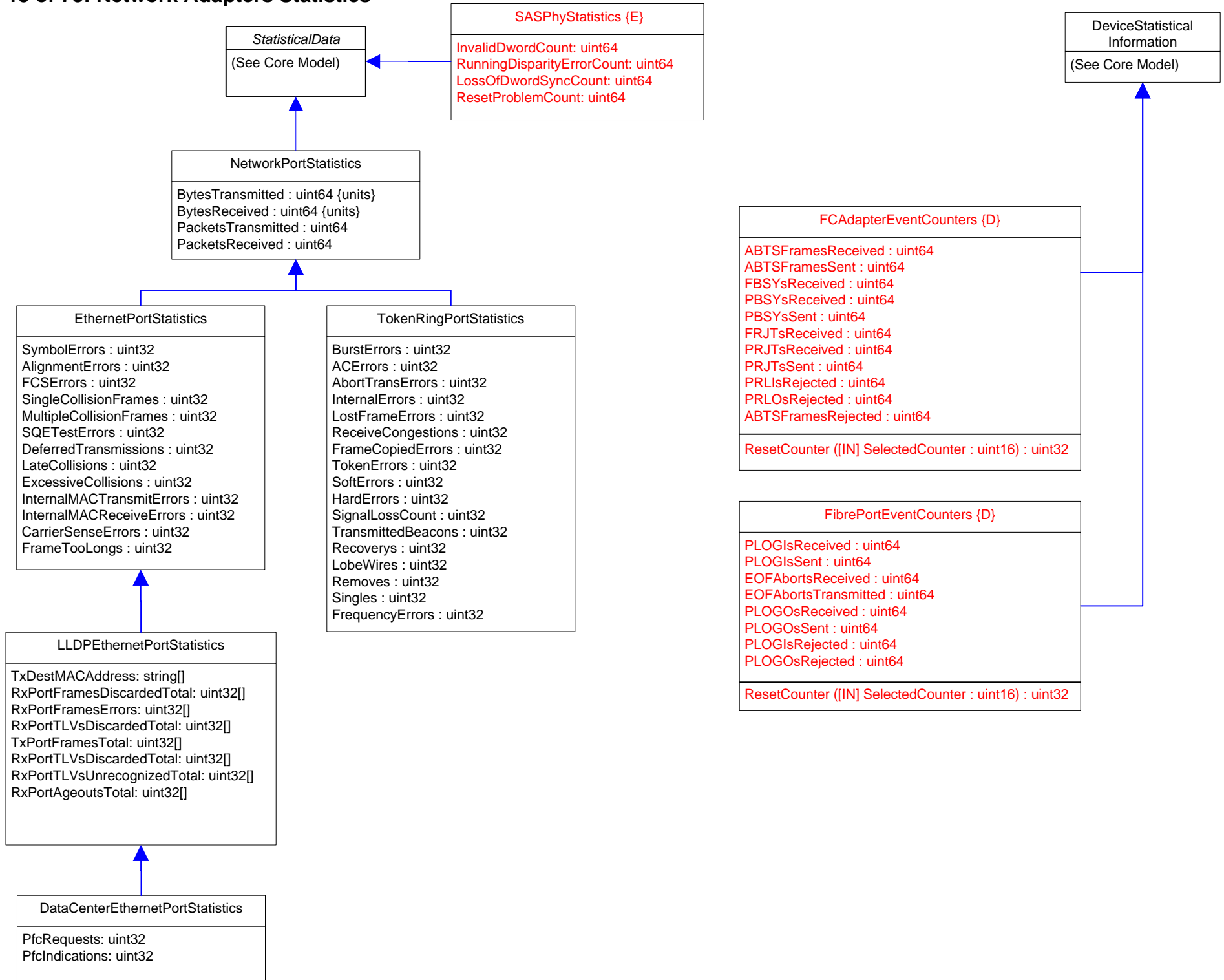
-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0 .. n
-  Experimental Class or Property
-  Deprecated Class or Property












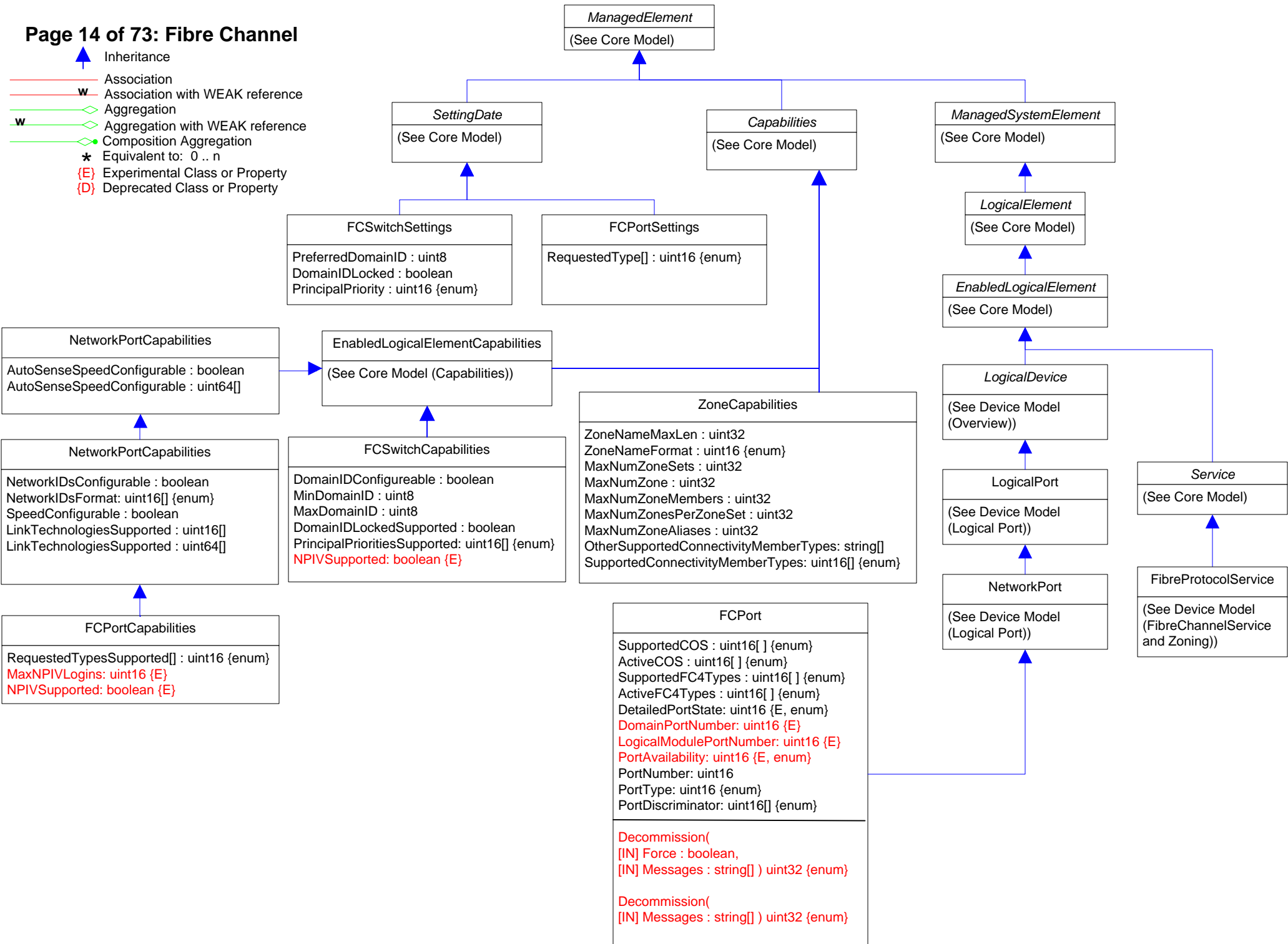


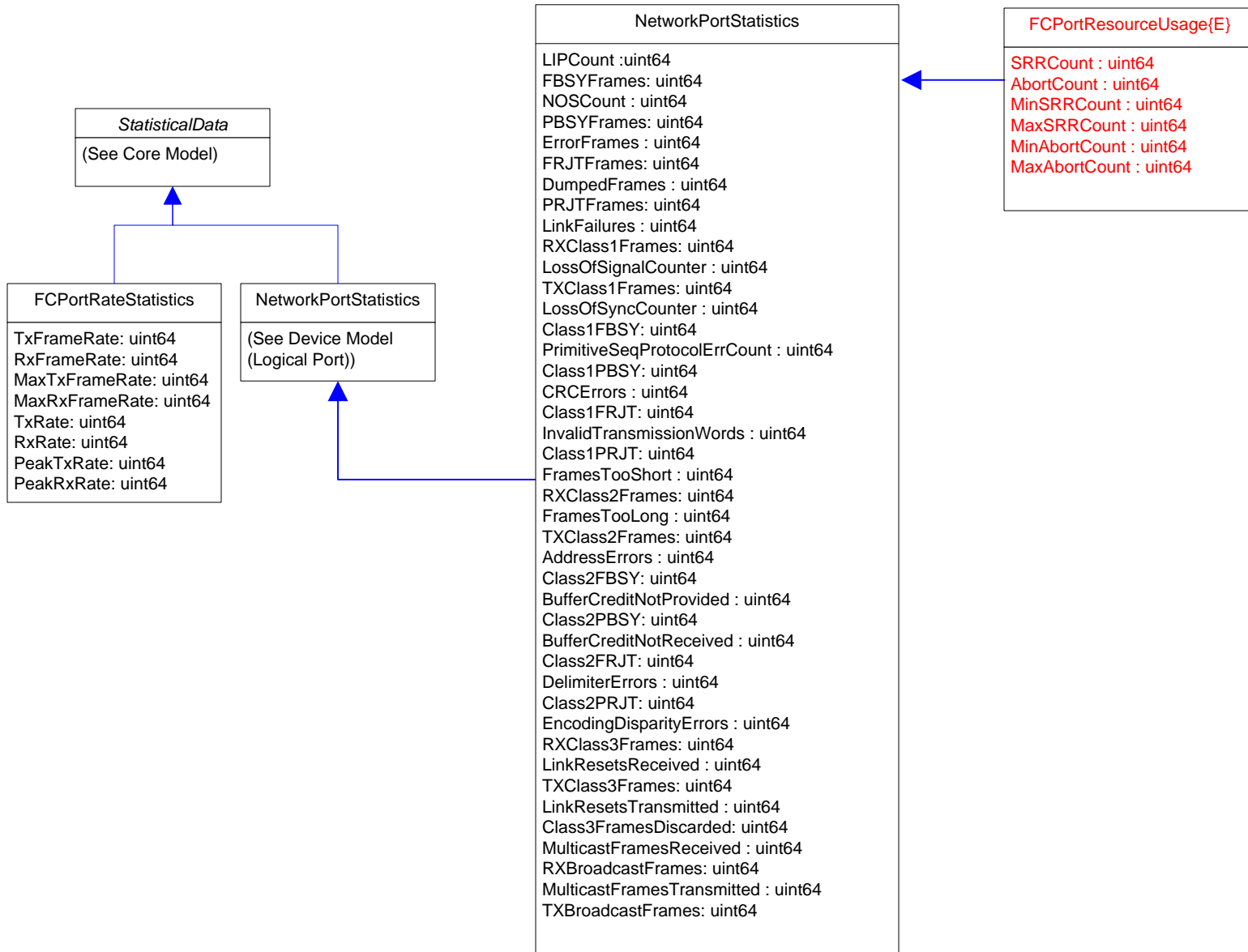















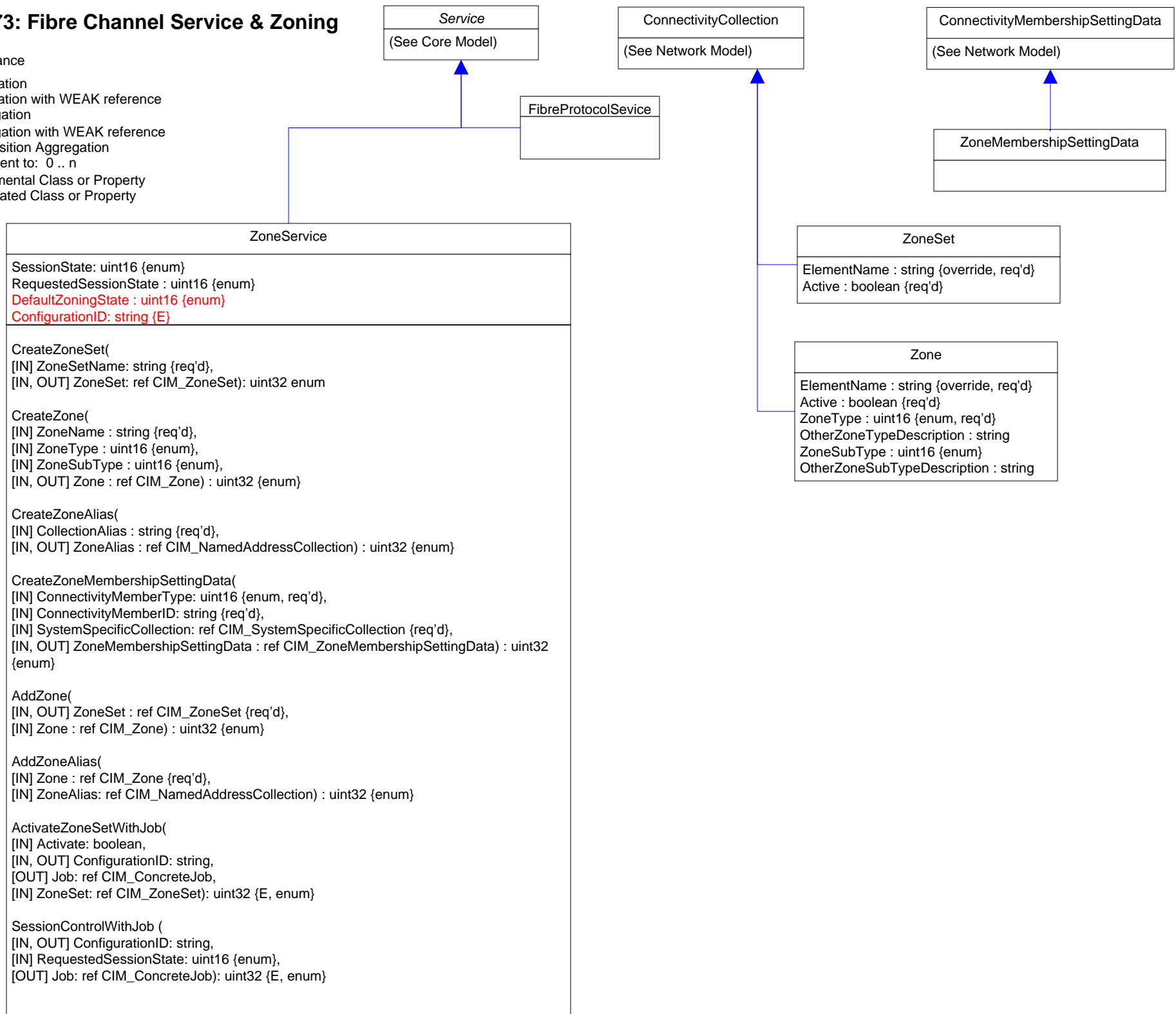
-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0 .. n
-  Experimental Class or Property
-  Deprecated Class or Property














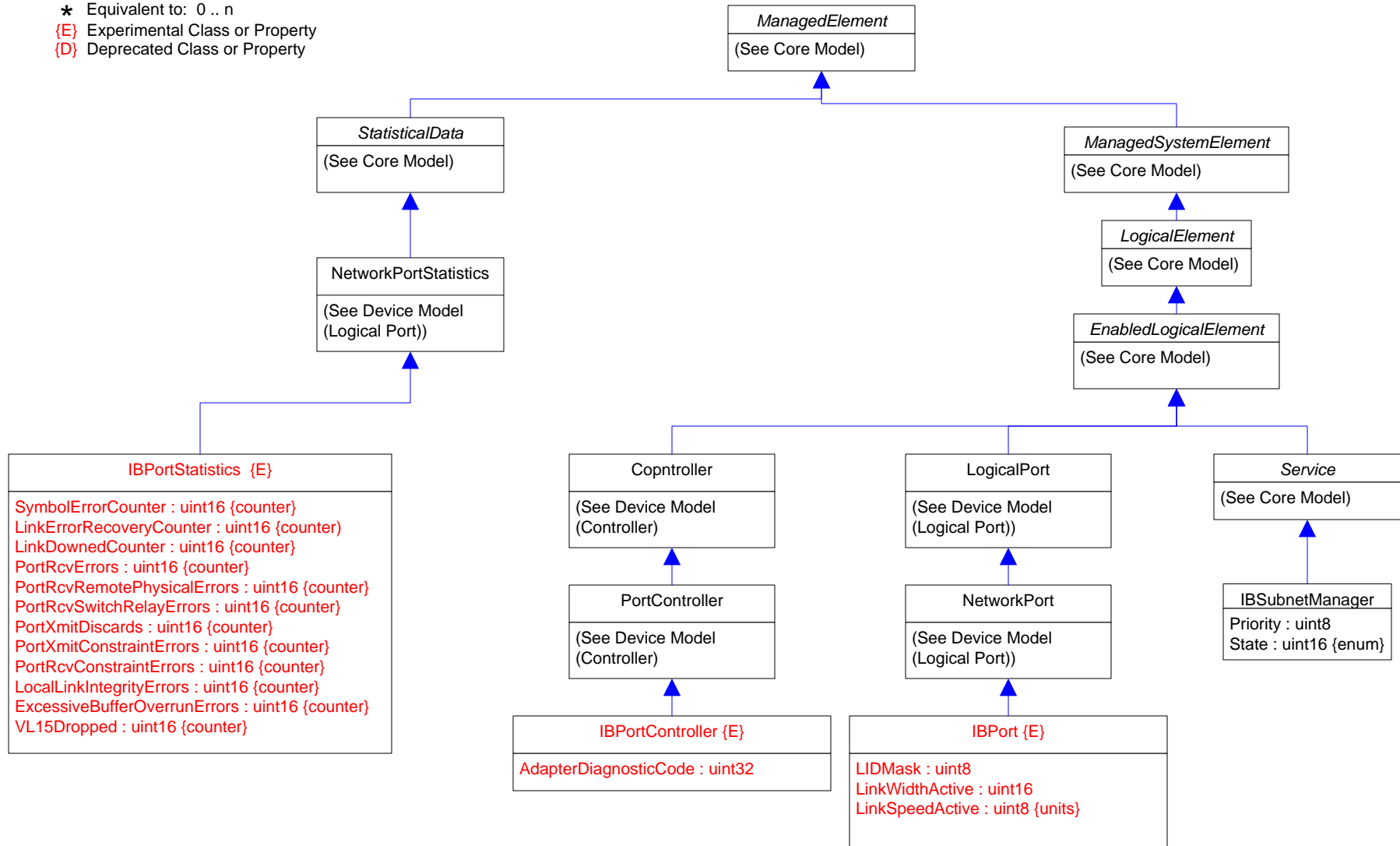
# Page 16 of 73: Fibre Channel Service & Zoning










-  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

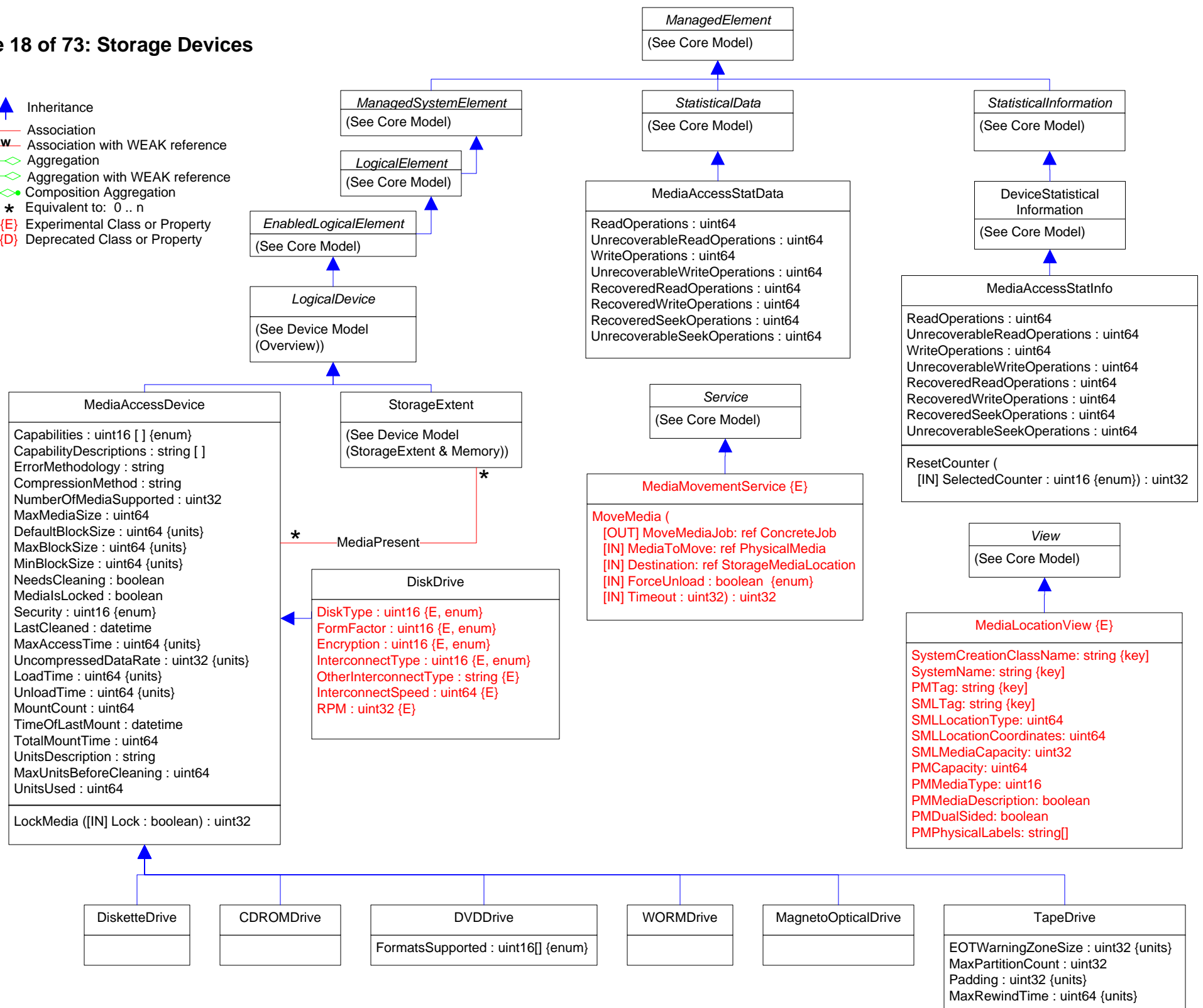





-  Inheritance
-  Association
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-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0 .. n
-  Experimental Class or Property
-  Deprecated Class or Property

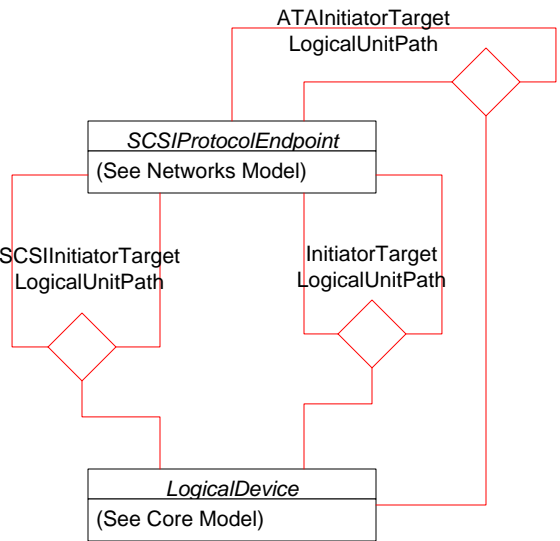
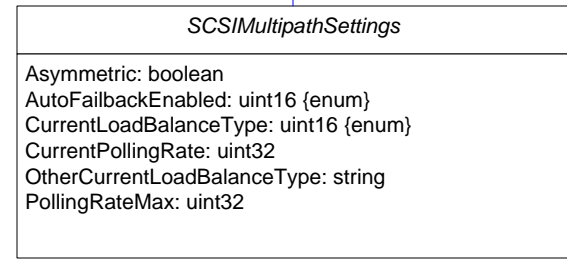
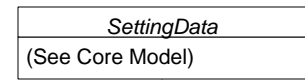
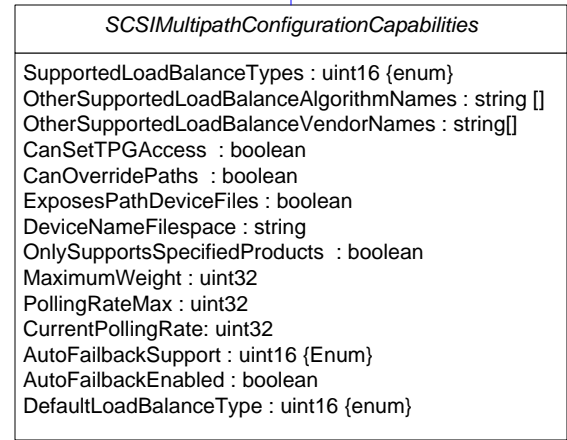
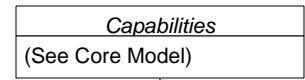
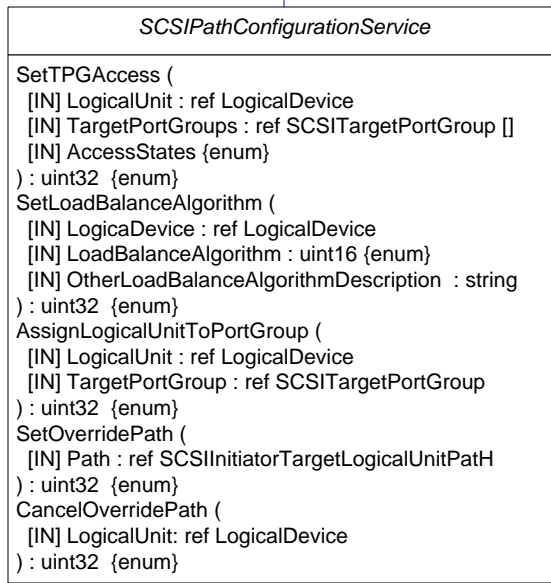
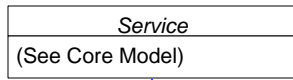
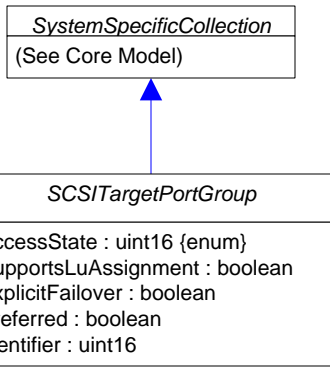


-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0..n
-  Experimental Class or Property
-  Deprecated Class or Property

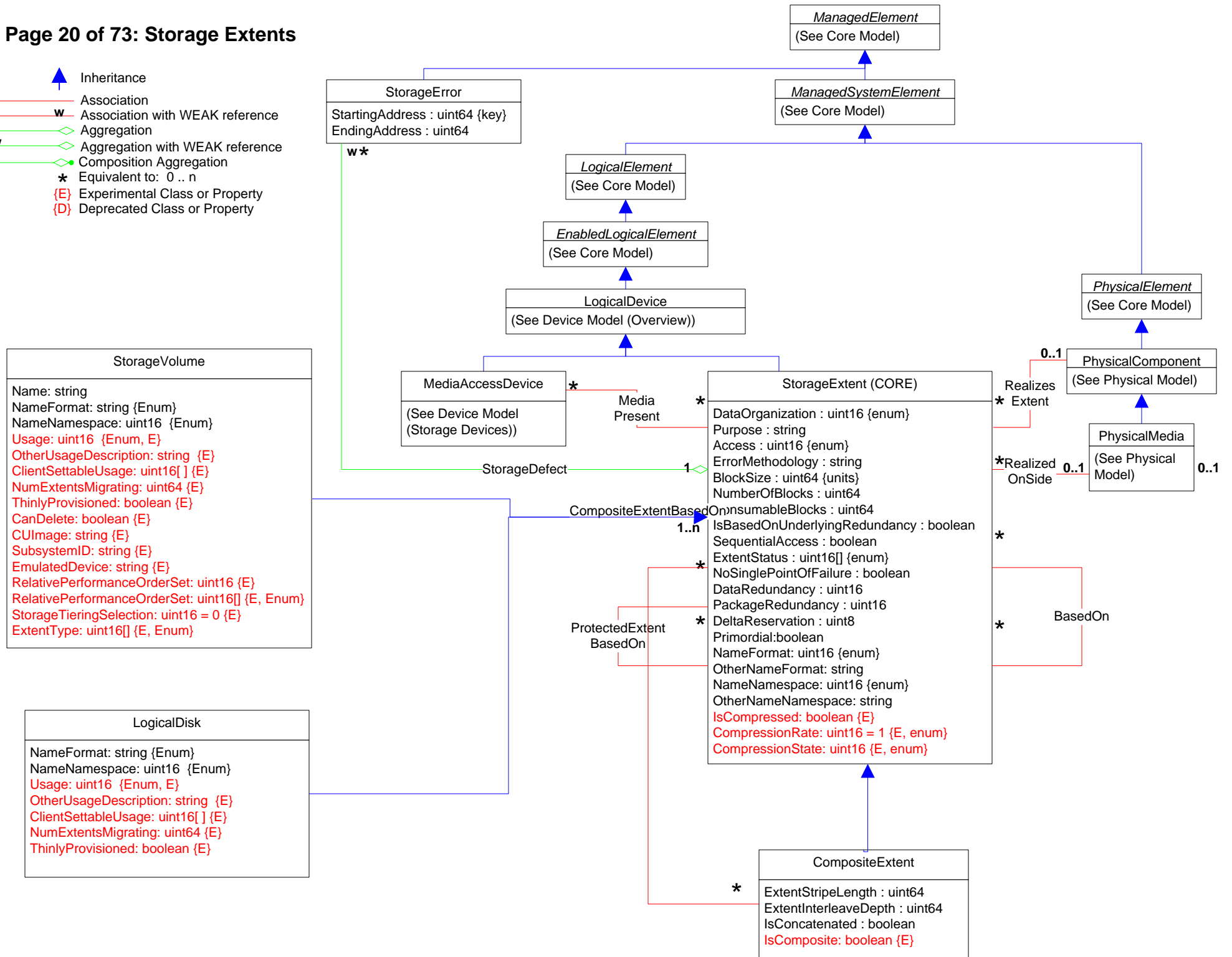


# Page 19 of 73: Storage Multipath

-  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



- 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)

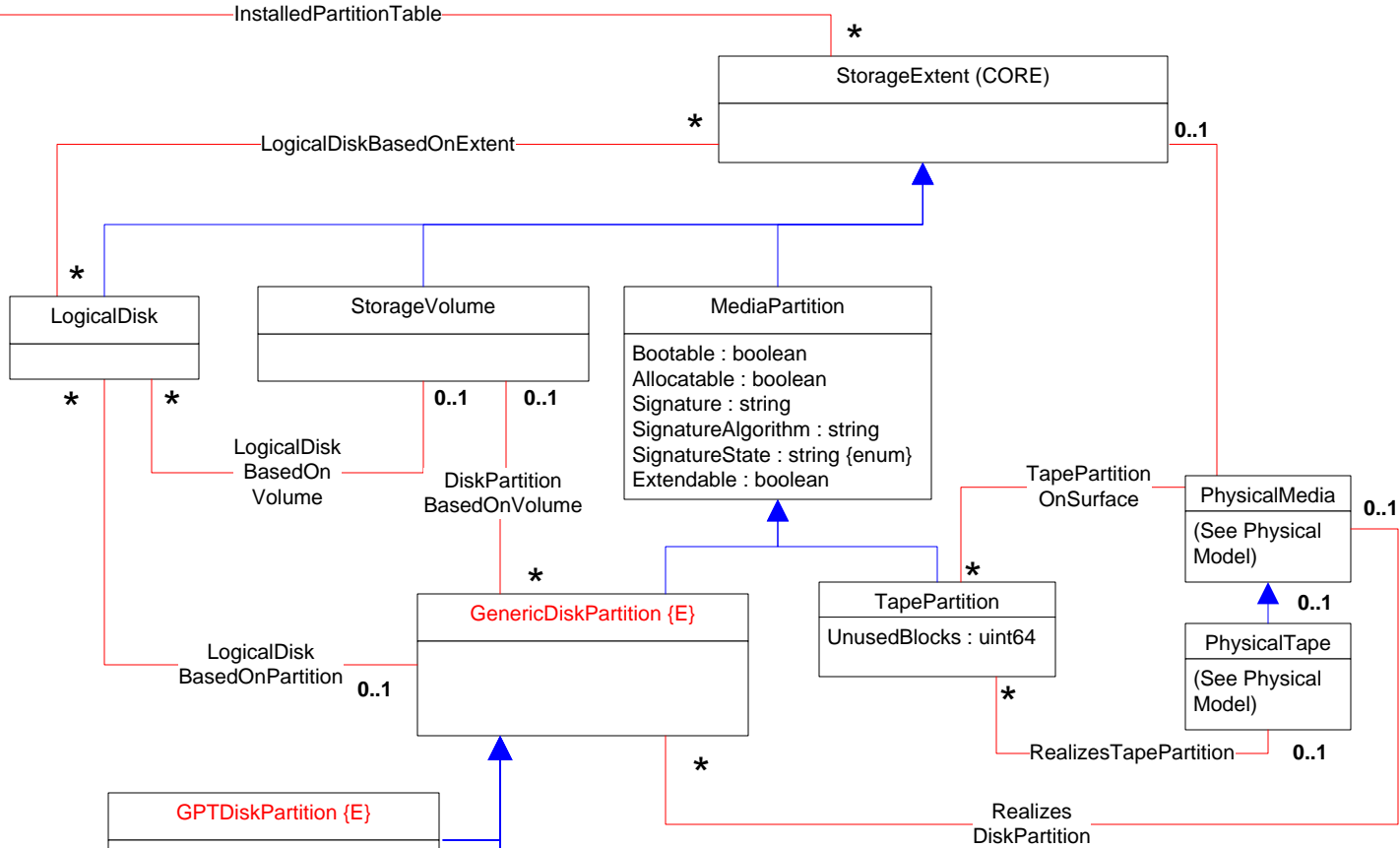
**DiskPartitionConfigurationCapabilities {E}**

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



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}

**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

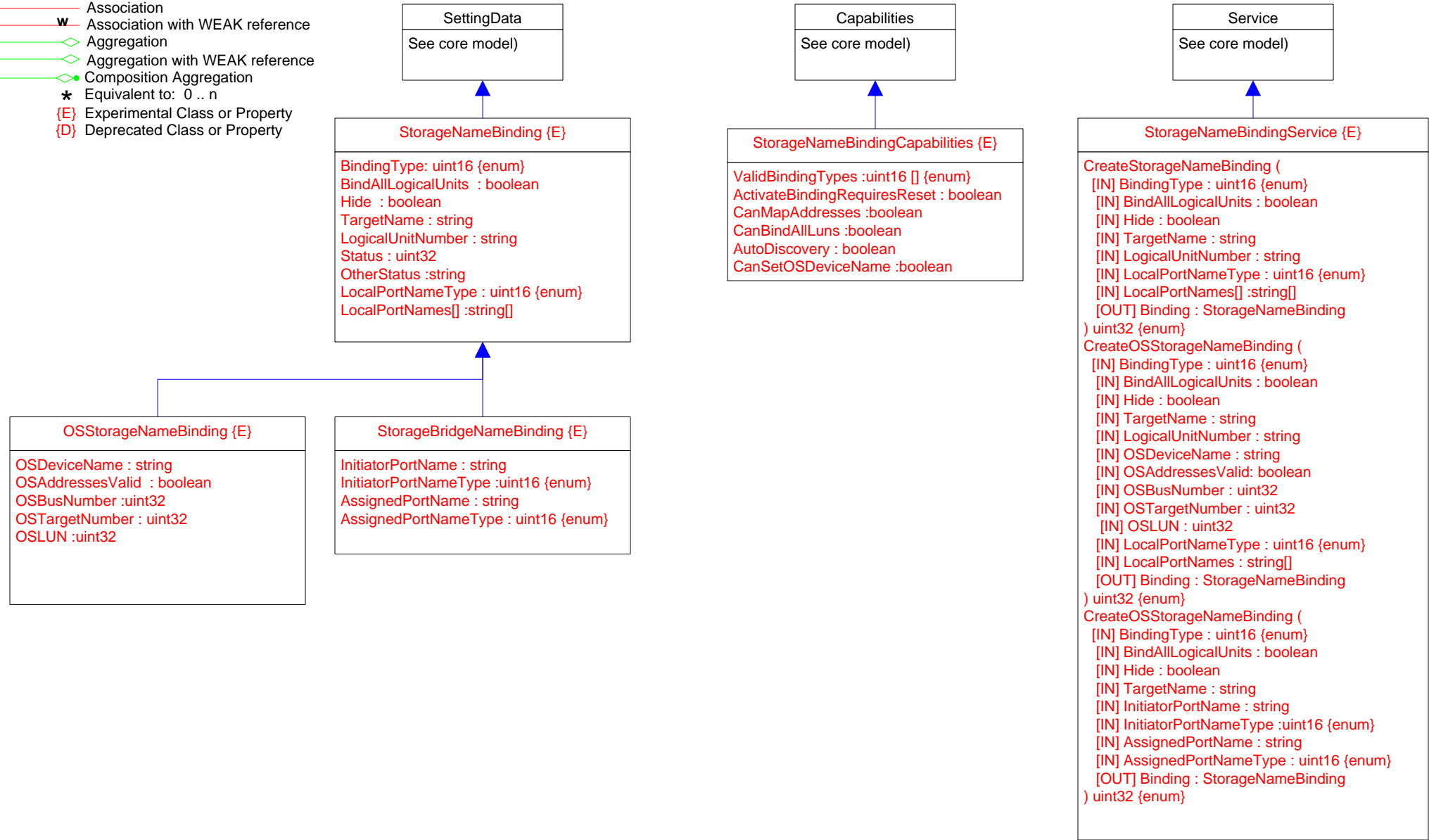
**DiskPartitionConfigurationCapabilities {E}**

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
- {E}** Experimental Class or Property
- {D}** Deprecated Class or Property

# Page 22 of 73: 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



SettingData  
See core model()

Capabilities  
See core model()

Service  
See core model()

StorageNameBinding {E}

BindingType : uint16 {enum}  
 BindAllLogicalUnits : boolean  
 Hide : boolean  
 TargetName : string  
 LogicalUnitNumber : string  
 Status : uint32  
 OtherStatus : string  
 LocalPortNameType : uint16 {enum}  
 LocalPortNames[] : string[]

StorageNameBindingCapabilities {E}

ValidBindingTypes : uint16 [] {enum}  
 ActivateBindingRequiresReset : boolean  
 CanMapAddresses : boolean  
 CanBindAllLuns : boolean  
 AutoDiscovery : boolean  
 CanSetOSDeviceName : boolean

StorageNameBindingService {E}

CreateStorageNameBinding ( [IN] BindingType : uint16 {enum} [IN] BindAllLogicalUnits : boolean [IN] Hide : boolean [IN] TargetName : string [IN] LogicalUnitNumber : string [IN] LocalPortNameType : uint16 {enum} [IN] LocalPortNames[] : string[] ) [OUT] Binding : StorageNameBinding ) uint32 {enum}

CreateOSStorageNameBinding ( [IN] BindingType : uint16 {enum} [IN] BindAllLogicalUnits : boolean [IN] Hide : boolean [IN] TargetName : string [IN] LogicalUnitNumber : string [IN] OSDeviceName : string [IN] OSAddressesValid : boolean [IN] OSBusNumber : uint32 [IN] OSTargetNumber : uint32 [IN] OSLUN : uint32 [IN] LocalPortNameType : uint16 {enum} [IN] LocalPortNames : string[] ) [OUT] Binding : StorageNameBinding ) uint32 {enum}

CreateOSStorageNameBinding ( [IN] BindingType : uint16 {enum} [IN] BindAllLogicalUnits : boolean [IN] Hide : boolean [IN] TargetName : string [IN] InitiatorPortName : string [IN] InitiatorPortNameType : uint16 {enum} [IN] AssignedPortName : string [IN] AssignedPortNameType : uint16 {enum} ) [OUT] Binding : StorageNameBinding ) uint32 {enum}

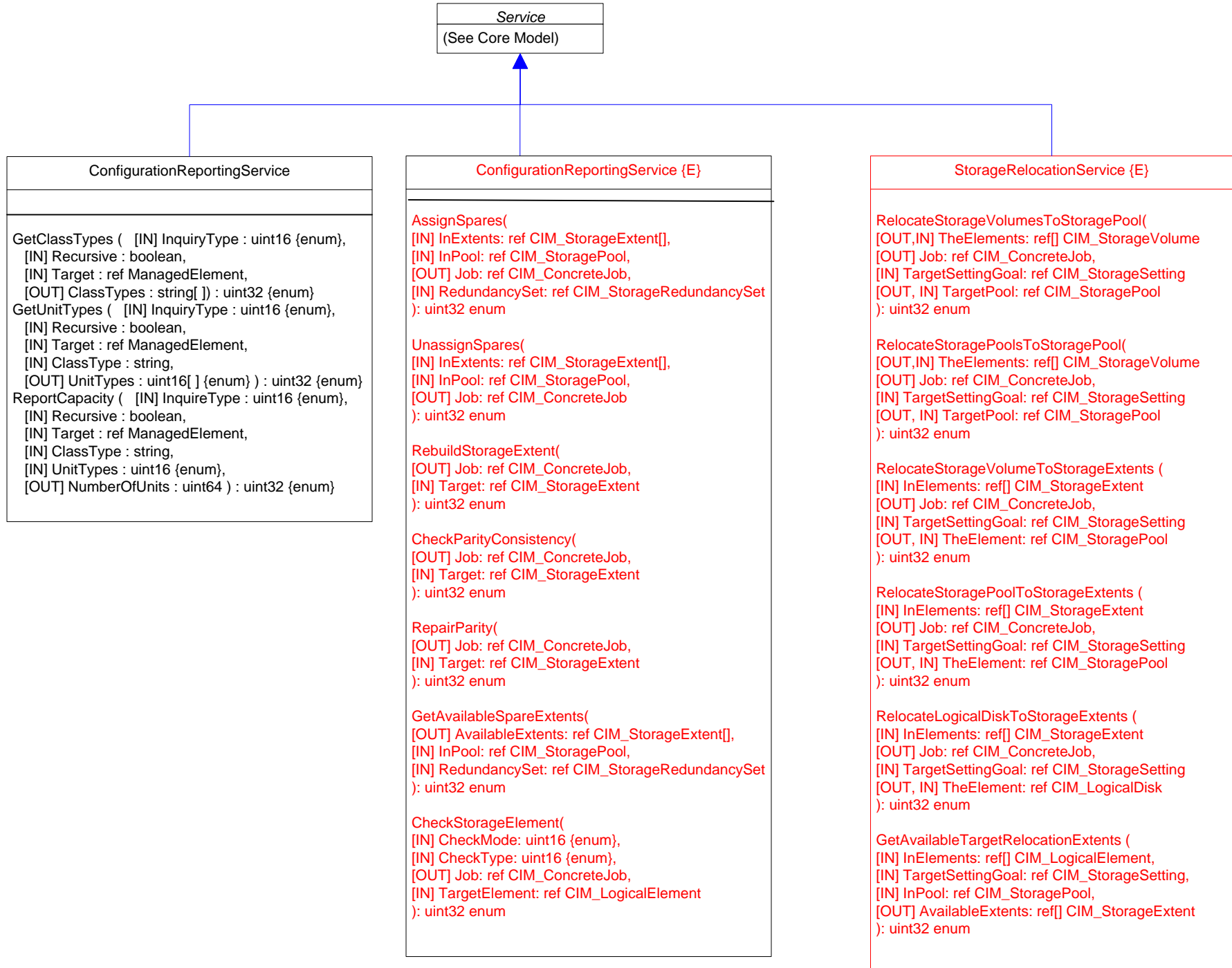
OSStorageNameBinding {E}

OSDeviceName : string  
 OSAddressesValid : boolean  
 OSBusNumber : uint32  
 OSTargetNumber : uint32  
 OSLUN : uint32

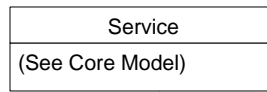
StorageBridgeNameBinding {E}

InitiatorPortName : string  
 InitiatorPortNameType : uint16 {enum}  
 AssignedPortName : string  
 AssignedPortNameType : uint16 {enum}







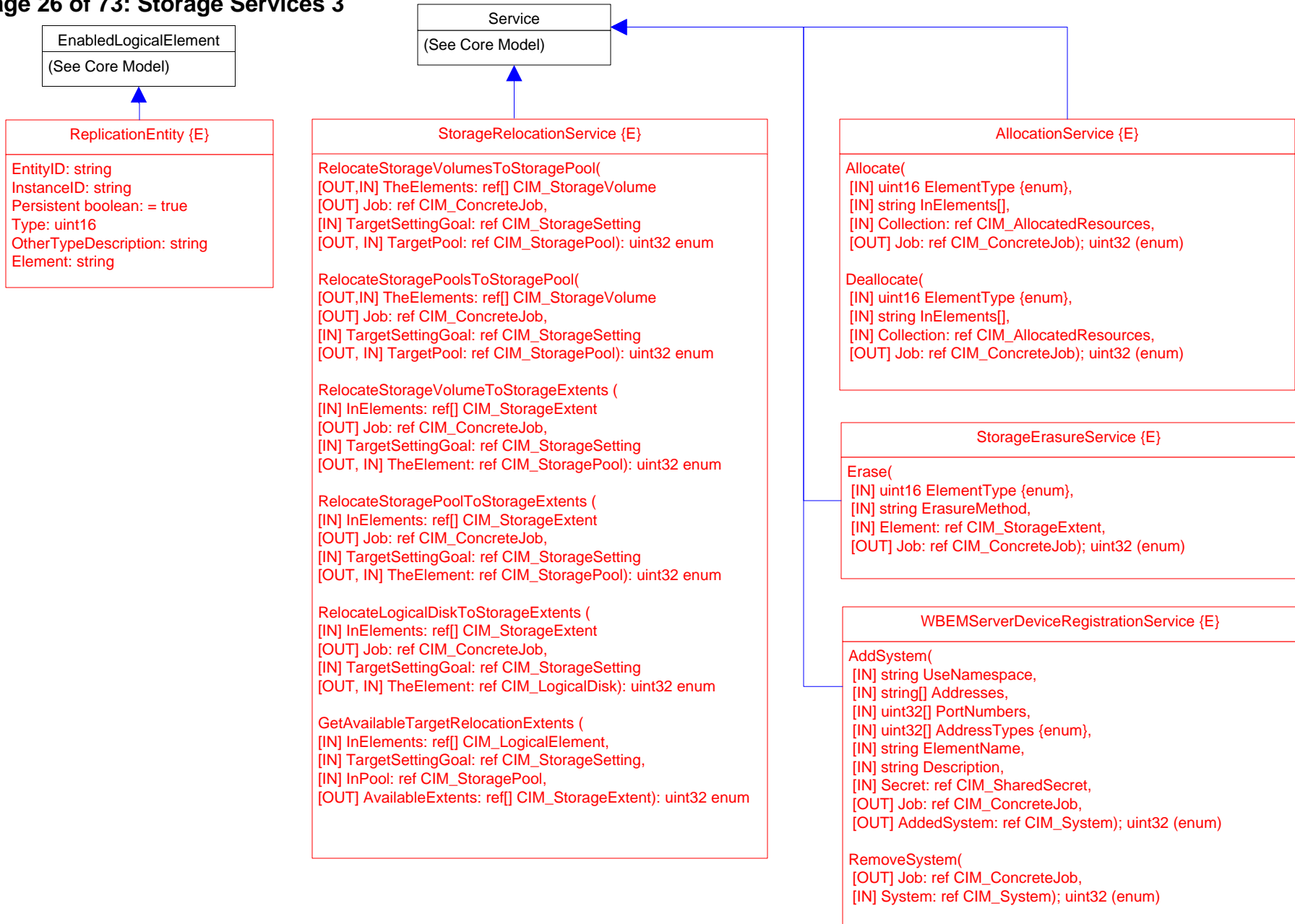


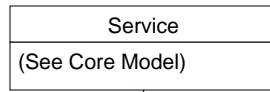
StorageConfigurationService {E}

```

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

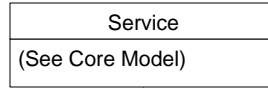
GetReplicationRelationships([IN] Type: uint16 (enum),[IN] SyncType: uint16 (enum),[IN] Mode: uint16 (enum),[IN] Locality: uint16 (enum),[IN] CopyState: uint16 (enum),[OUT] Job: ref CIM\_ConcreteJob,[OUT] Synchronizations: ref[] CIM\_Synchronized, [IN] ReplicationSettingData: string): uint32 enum

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

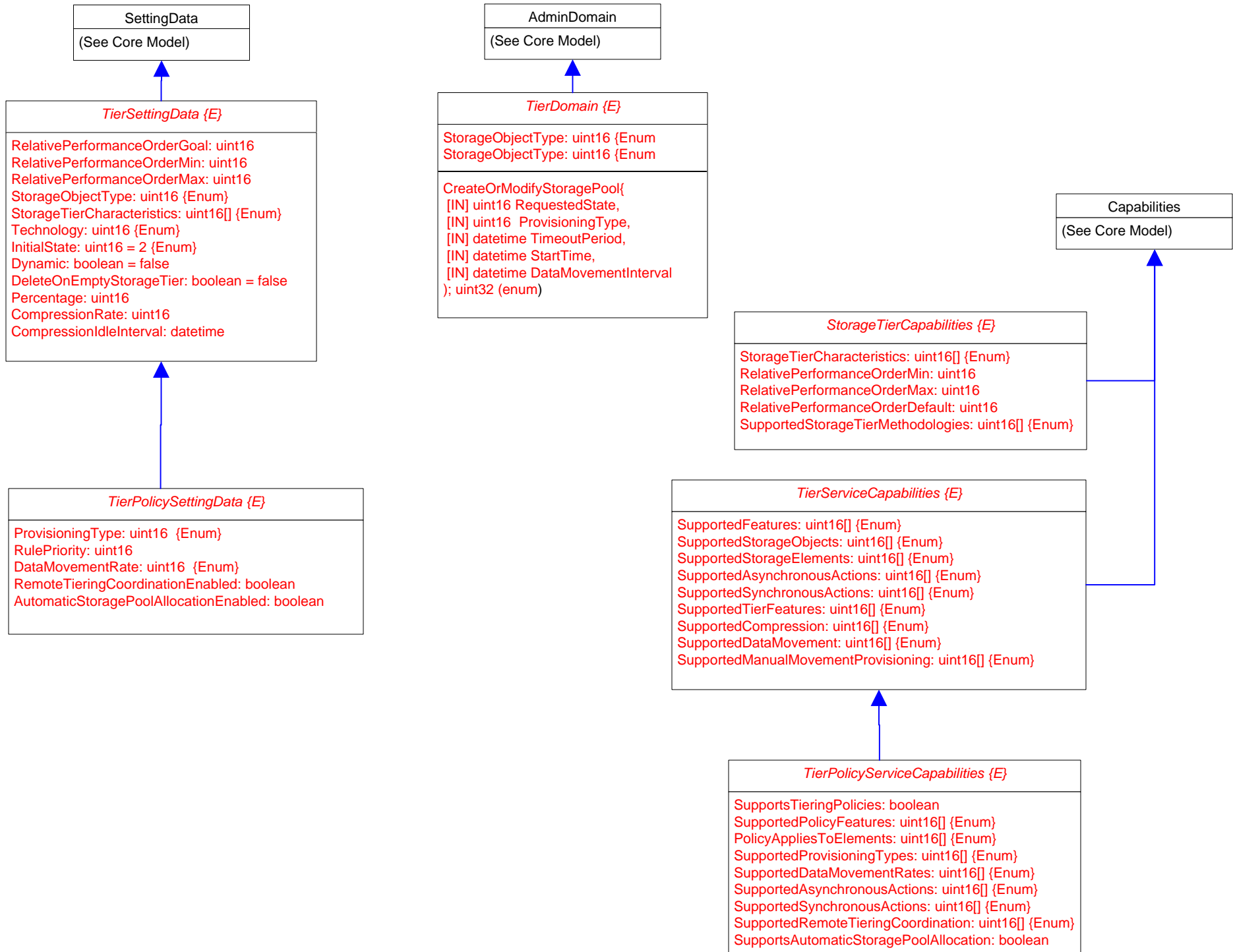
GetSynchronizationAspects([IN] SyncType: uint16, [IN] Mode: uint16, [IN] Locality: uint16, [IN] SyncState: uint16, [OUT] Job: ref CIM\_ConcreteJob, [IN] CachedData: boolean, [IN] ReplicationSettingData: string, [OUT] SynchronizationAspects: ref[] CIM\_SynchronizationAspect,): uint32 enum

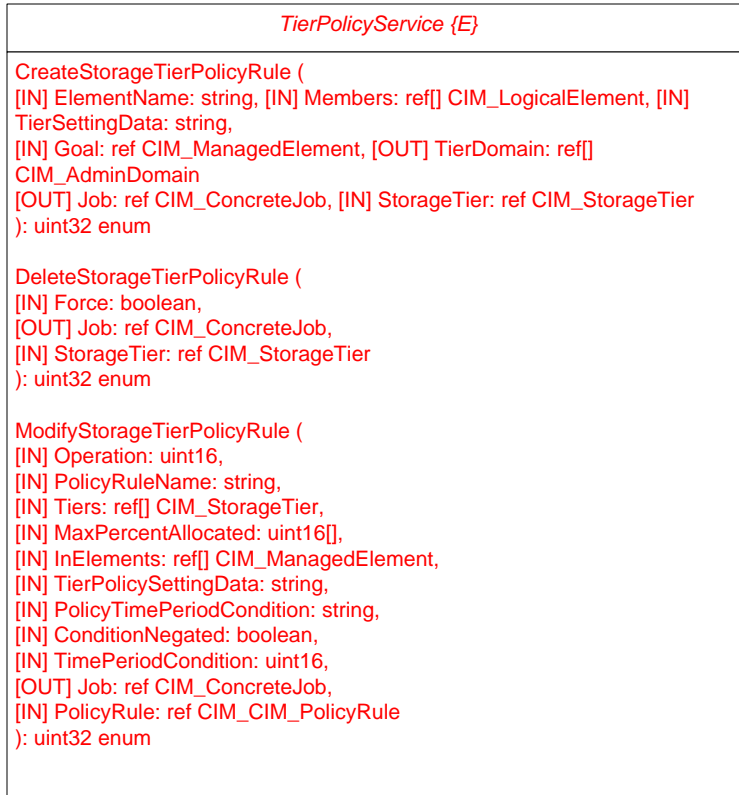
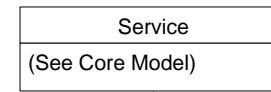
GetSynchronizationAspectInstances([IN] SyncType: uint16, [IN] Mode: uint16, [IN] Locality: uint16, [IN] SyncState: uint16, [OUT] Job: ref CIM\_ConcreteJob, [IN] CachedData: boolean, [IN] ReplicationSettingData: string, [OUT] SynchronizationAspects: string,): uint32 enum

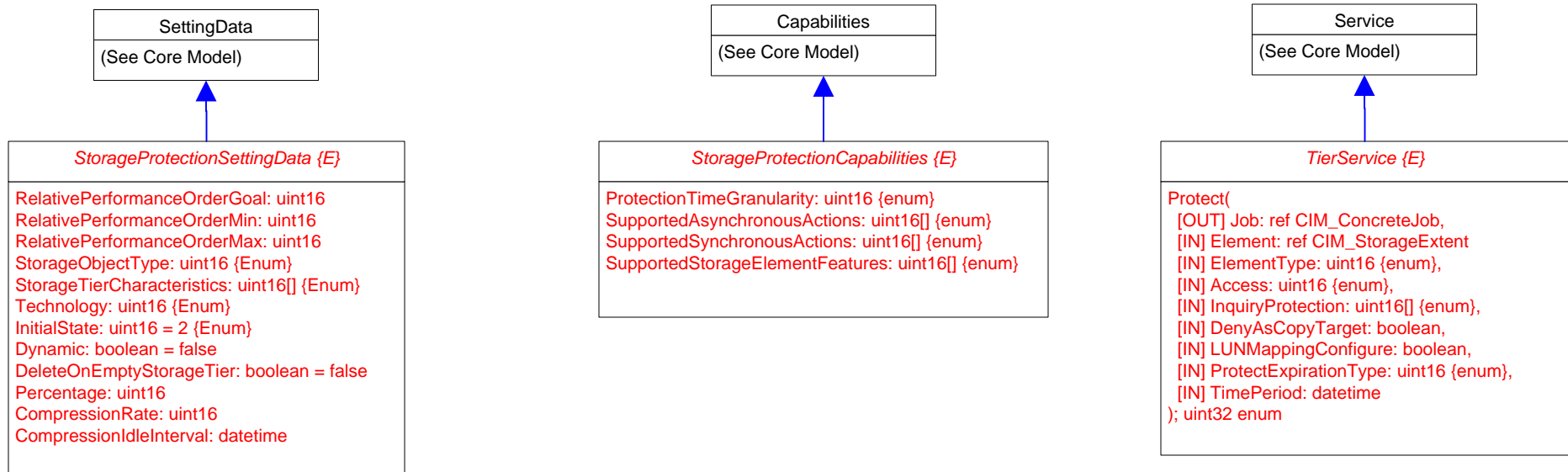
CreateGroupReplicaFromElementSynchronizations( [IN] Synchronized ref CIM\_Synchronized, [IN] SourceElements ref[] CIM\_LogicalElement, [IN] TargetElements ref[] CIM\_LogicalElement, [IN] SourceAccessPoint ref CIM\_ServiceAccessPoint, [IN] TargetAccessPoint ref CIM\_ServiceAccessPoint, [IN] TargetGroupName: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

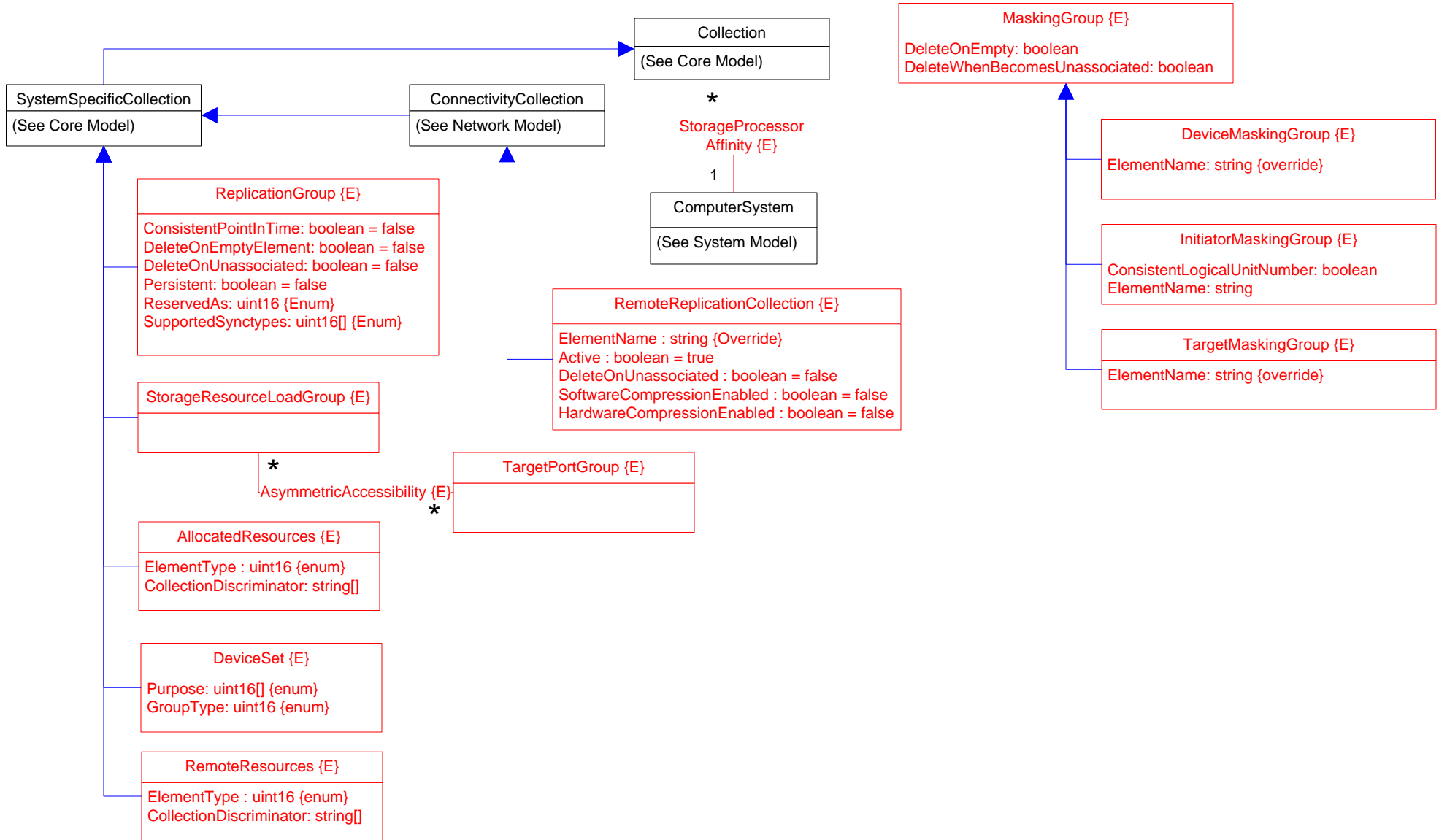
ConfirmTargetData( [IN] Synchronized ref CIM\_Synchronized, [IN] SourceAccessPoint ref CIM\_ServiceAccessPoint, [IN] TargetAccessPoint ref CIM\_ServiceAccessPoint, [IN] TargetGroupName: uint16, [IN] ReplicationSettingData: string, [OUT] Job: ref CIM\_ConcreteJob, [IN] ConnectivityCollection ref CIM\_ConnectivityCollection,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

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

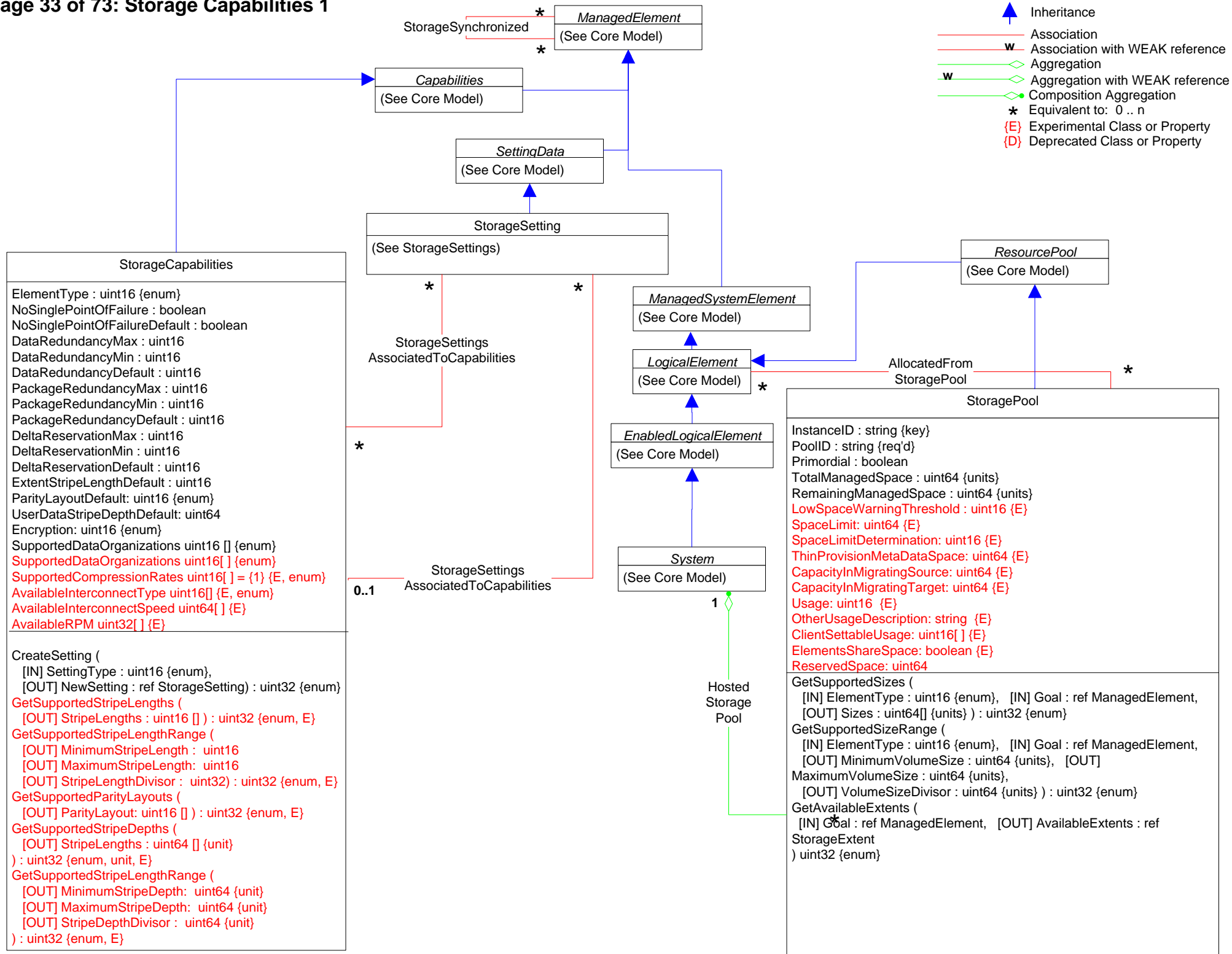




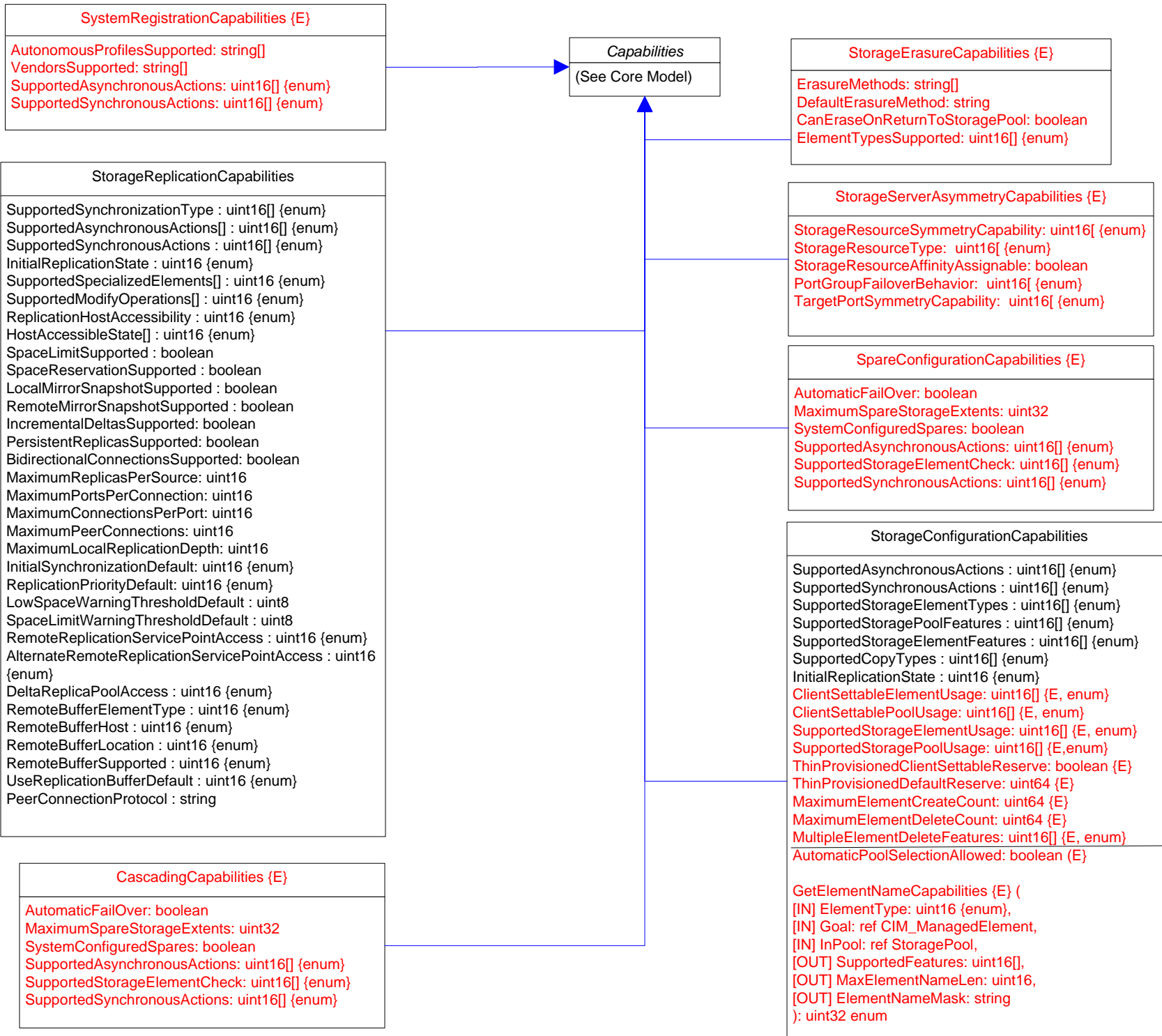


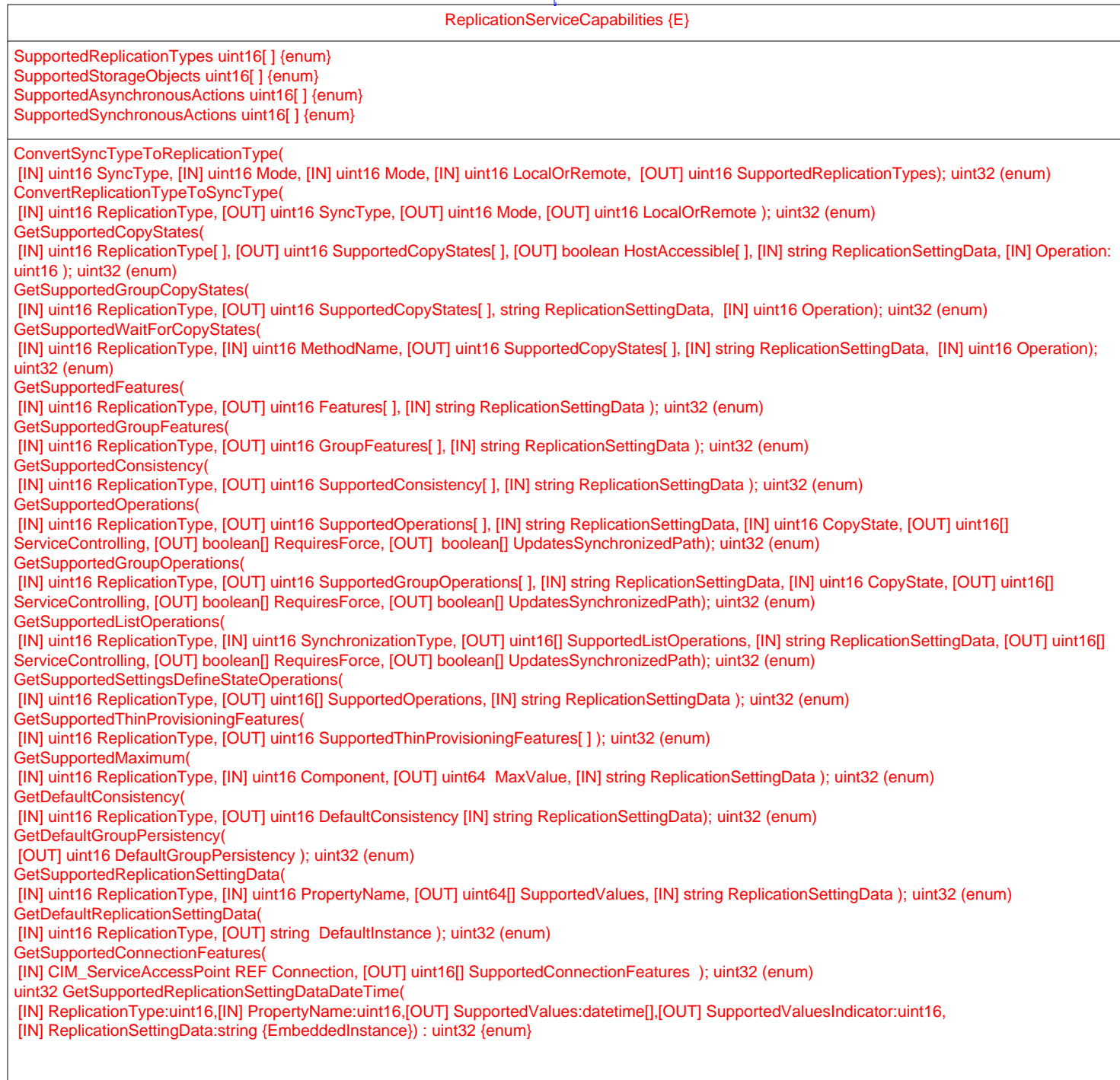
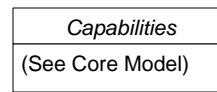






- Inheritance
- Association
- Association with WEAK reference
- Aggregation
- Aggregation with WEAK reference
- Composition Aggregation
- Equivalent to: 0 .. n
- Experimental Class or Property (E)
- Deprecated Class or Property (D)



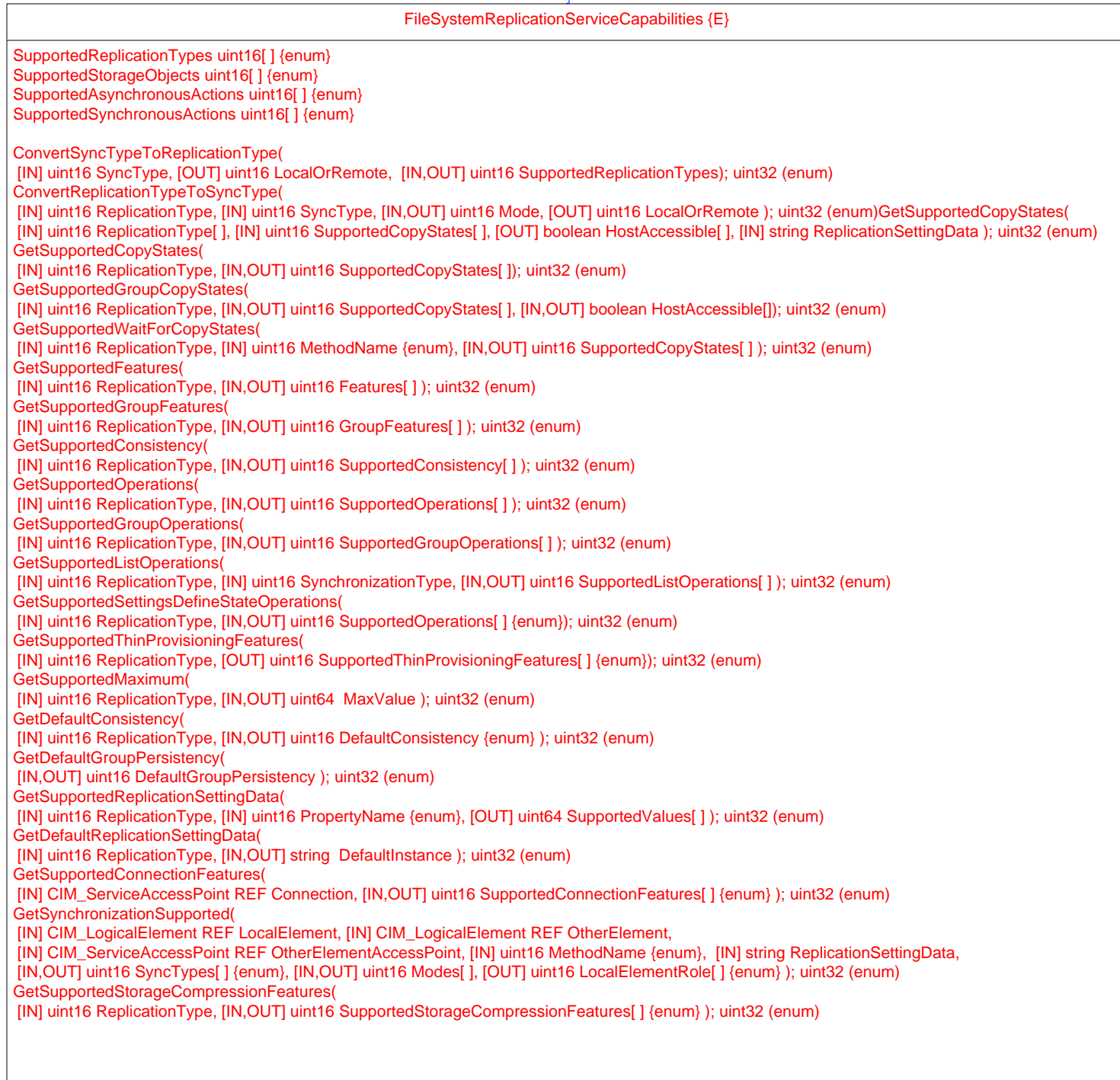
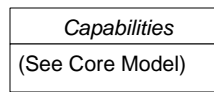


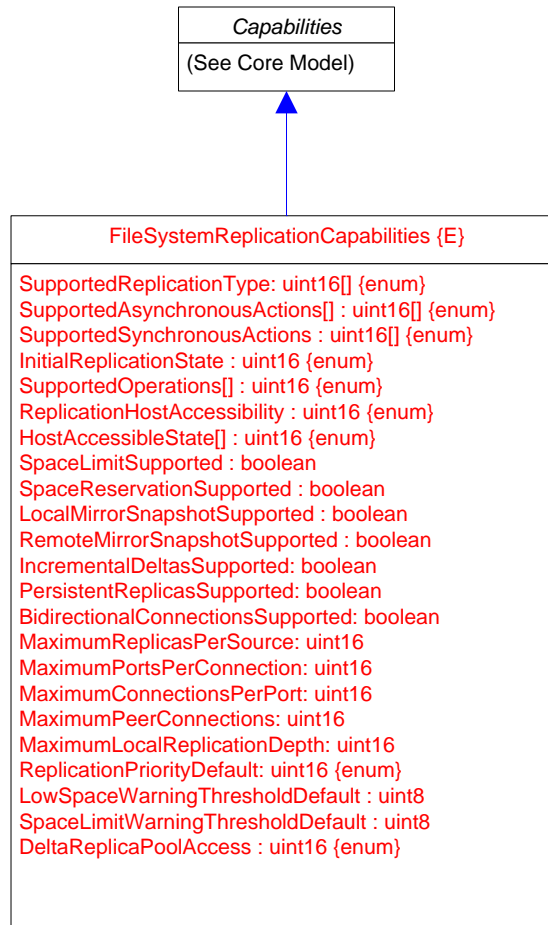
Capabilities  
(See Core Model)

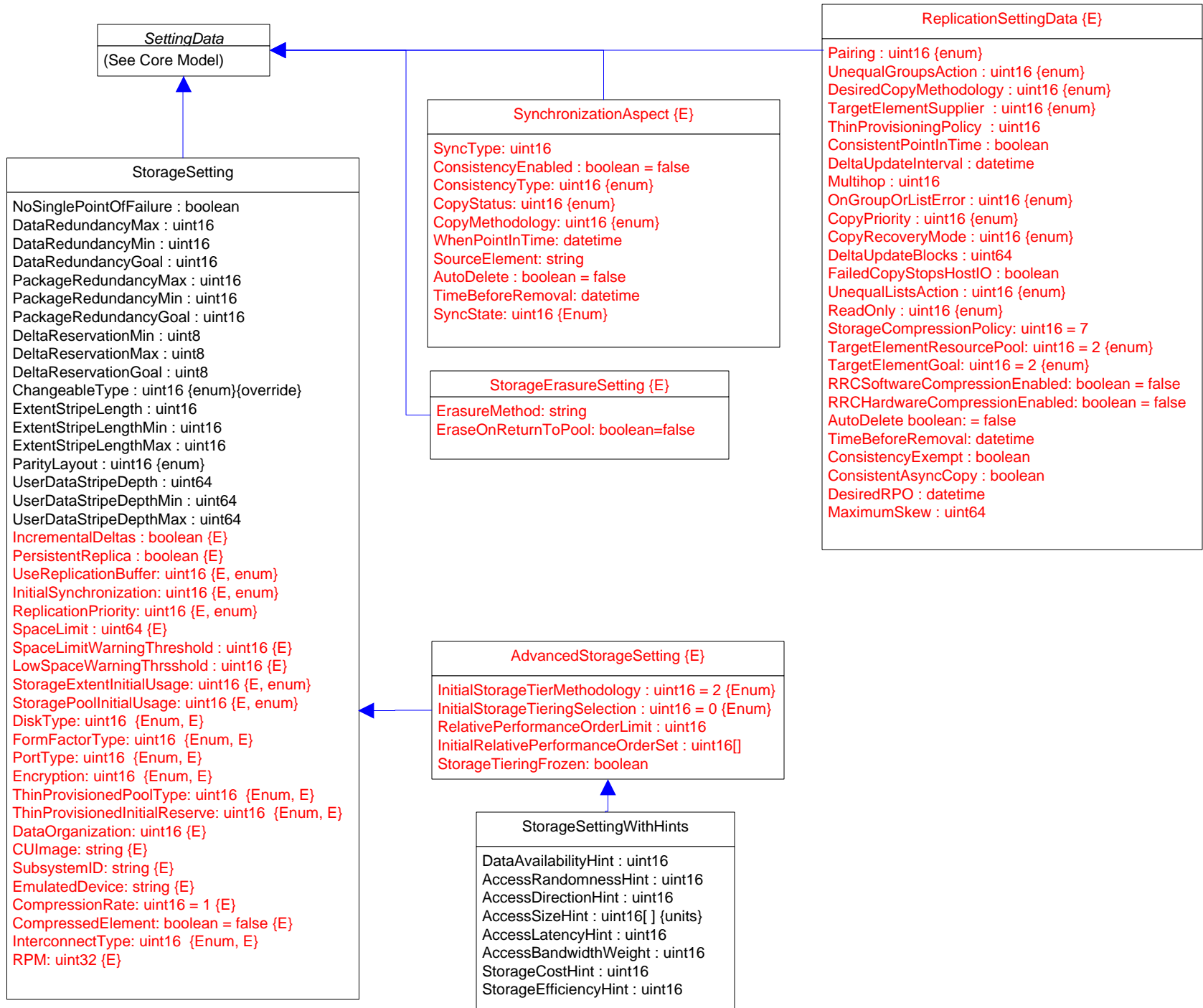


ReplicationServiceCapabilities {E} (continued)

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)







- ▲ 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

*ManagedElement*  
(See Core Model)

*Collection*  
(See Core Model)

*SystemSpecificCollection*  
(See Core Model)

*StatisticsCollection* {E}  
(See Core Model)

*BlockStatisticsManifestCollection*  
IsDefault : boolean

*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}  
 TotalHitIOs : uint64 {E}  
 ReadSequentialIOs : uint64 {E}  
 ReadSequentialHits : uint64 {E}  
 WriteSequentialIOs : uint64 {E}  
 WriteSequentialHits : uint64 {E}

*StatisticalData*  
(See core model)

*BlockStatisticsManifest*

InstanceID : string  
 ElementType : uint16 {enum}  
 IncludeStartStatisticTime : boolean {enum}  
 IncludeStatisticsTime : boolean  
 IncludeTotalIOs : boolean  
 IncludeKBytesTransferred : 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}  
 IncludeTotalHitIOs : boolean {E}  
 IncludeReadSequentialIOs : boolean {E}  
 IncludeReadSequentialHits : boolean {E}  
 IncludeWriteSequentialIOs : boolean {E}  
 IncludeWriteSequentialHits : boolean {E}

*LogicalPortStatistics* {E}

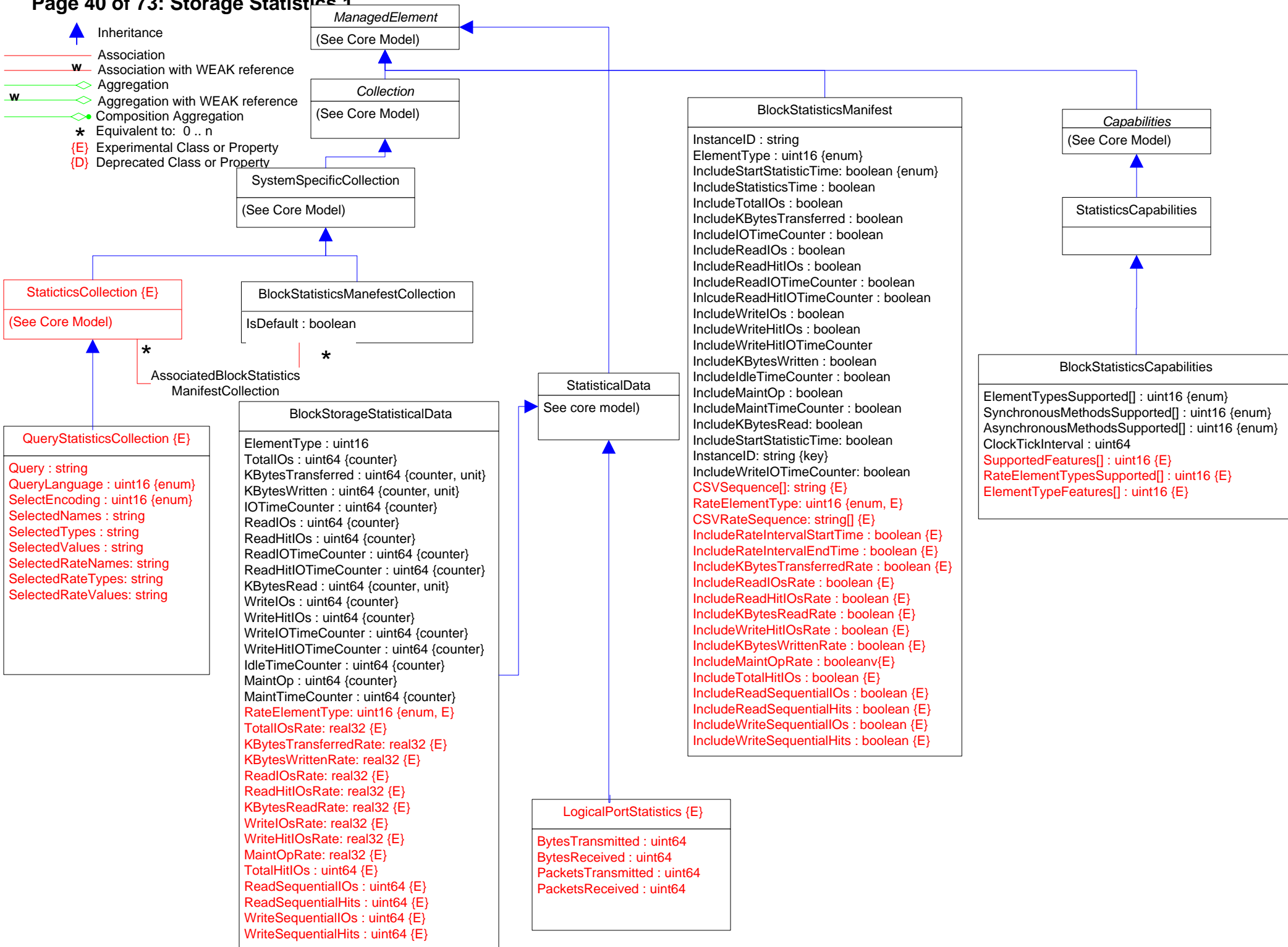
BytesTransmitted : uint64  
 BytesReceived : uint64  
 PacketsTransmitted : uint64  
 PacketsReceived : uint64

*Capabilities*  
(See Core Model)

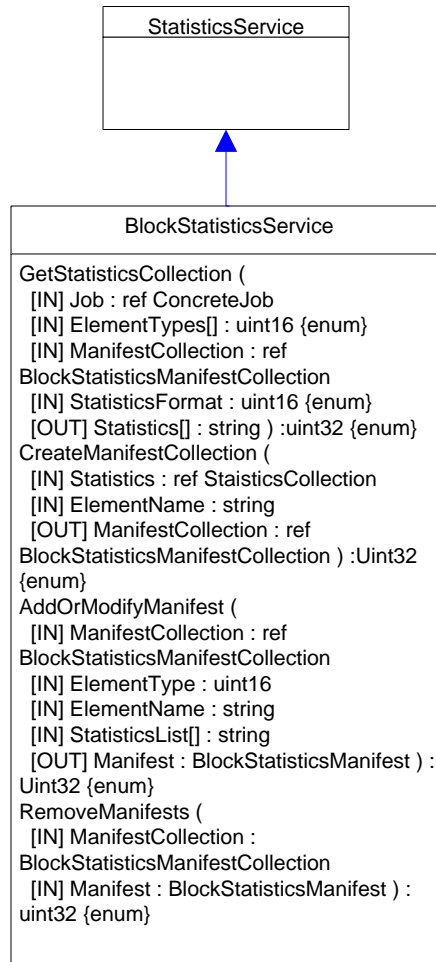
*StatisticsCapabilities*

*BlockStatisticsCapabilities*

ElementTypesSupported[] : uint16 {enum}  
 SynchronousMethodsSupported[] : uint16 {enum}  
 AsynchronousMethodsSupported[] : uint16 {enum}  
 ClockTickInterval : uint64  
 SupportedFeatures[] : uint16 {E}  
 RateElementTypesSupported[] : uint16 {E}  
 ElementTypeFeatures[] : uint16 {E}







▲ Inheritance

— Association

—w Association with WEAK reference

◊ Aggregation

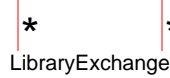
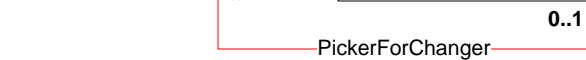
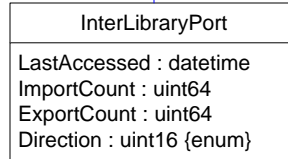
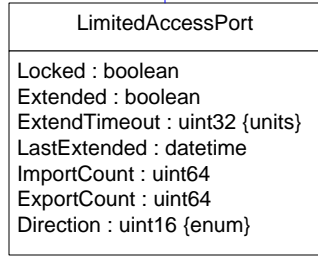
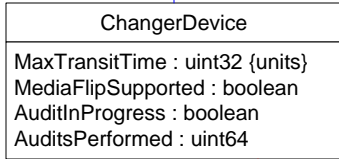
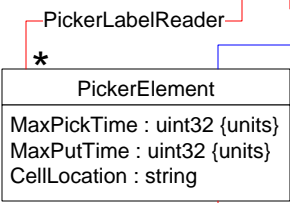
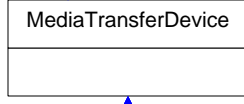
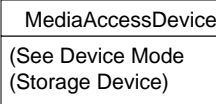
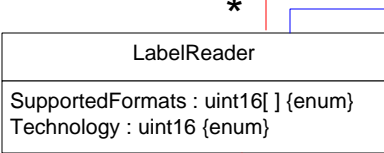
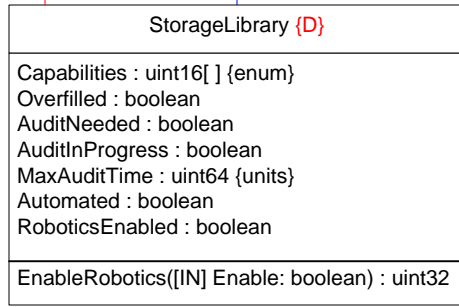
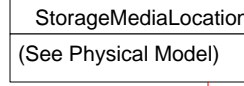
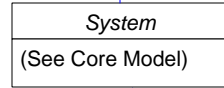
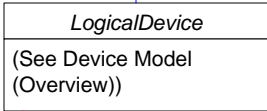
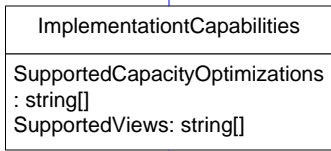
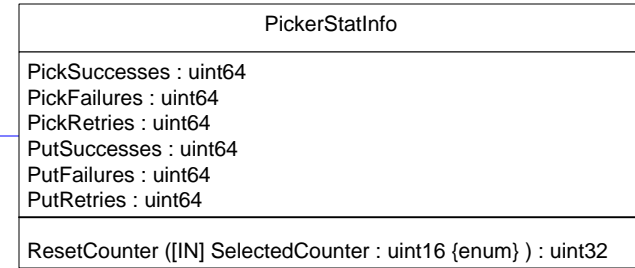
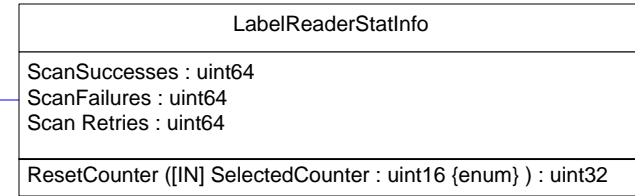
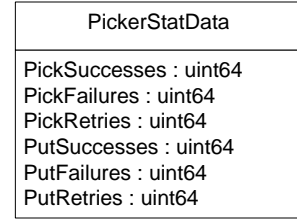
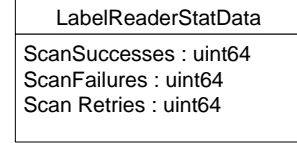
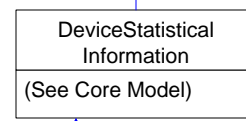
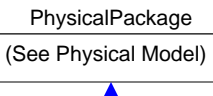
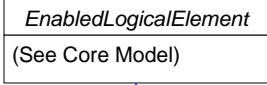
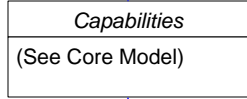
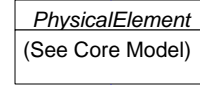
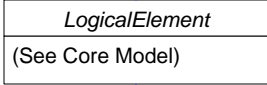
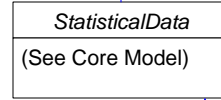
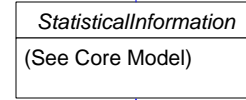
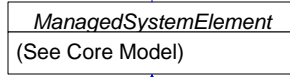
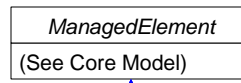
◊-w Aggregation with WEAK reference

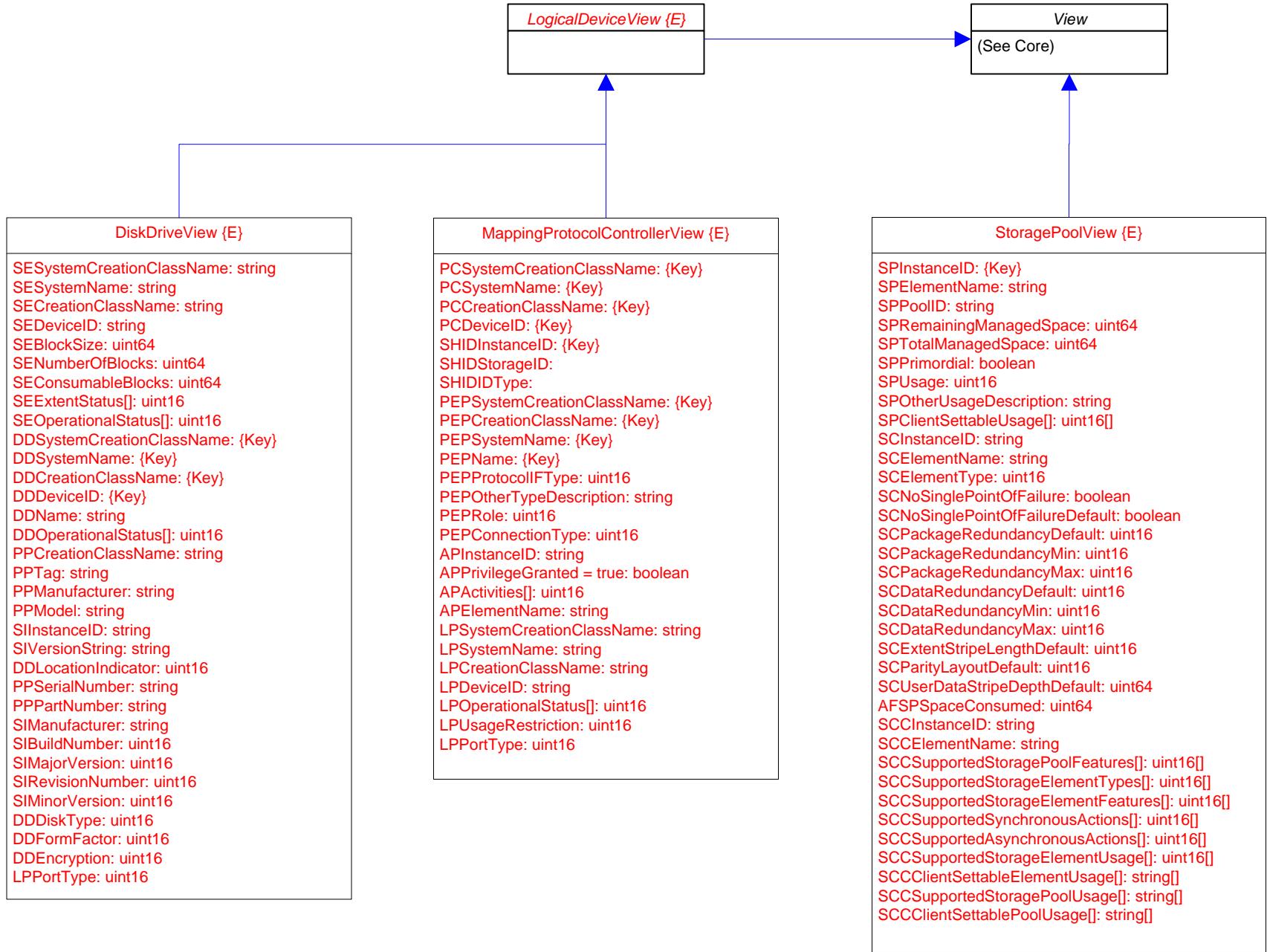
◊• Composition Aggregation

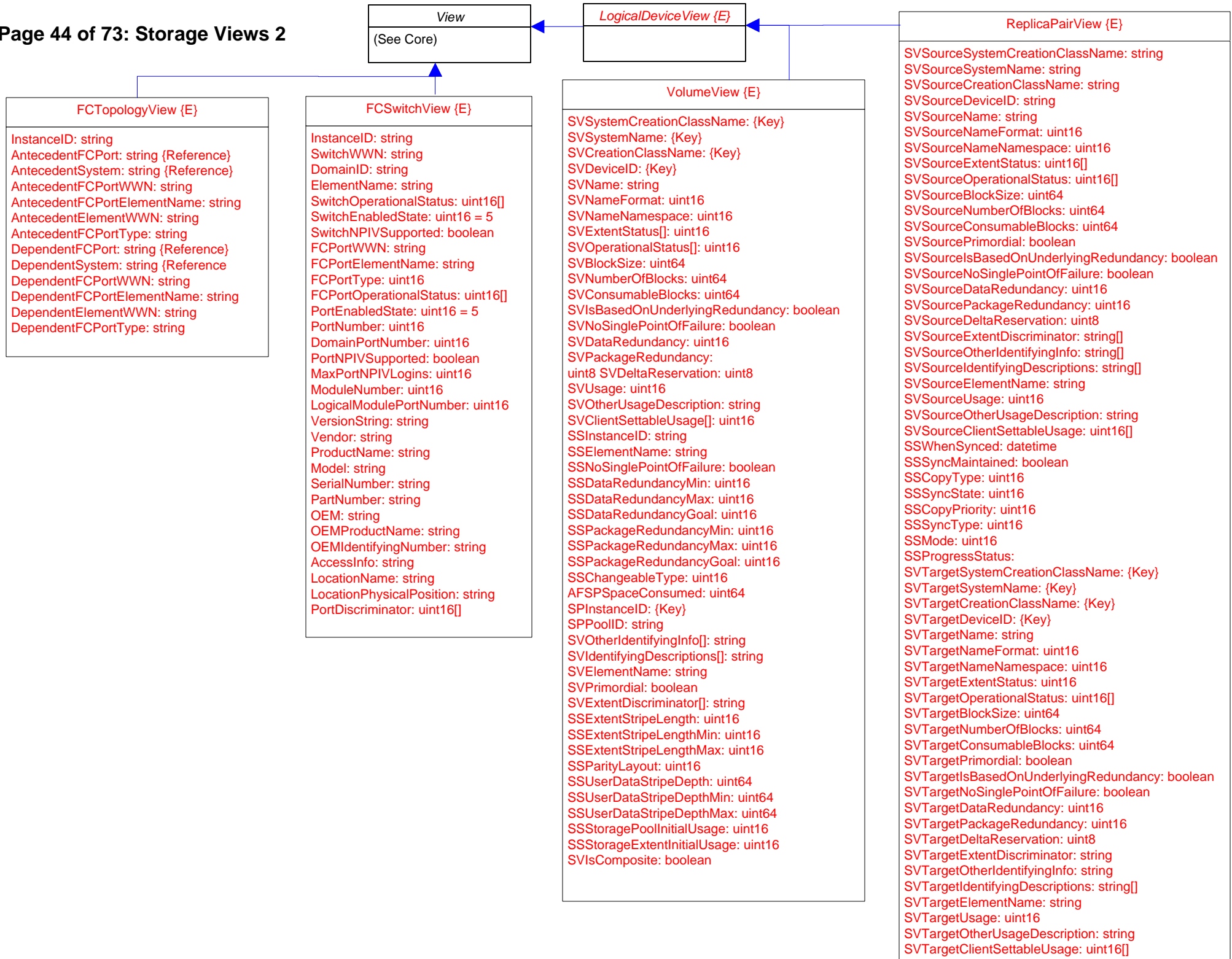
\* Equivalent to: 0..n

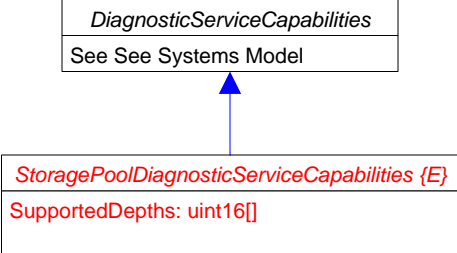
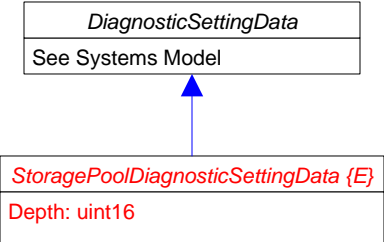
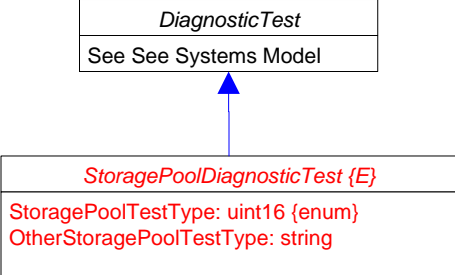
{E} Experimental Class or Property








{D} Deprecated Class or Property

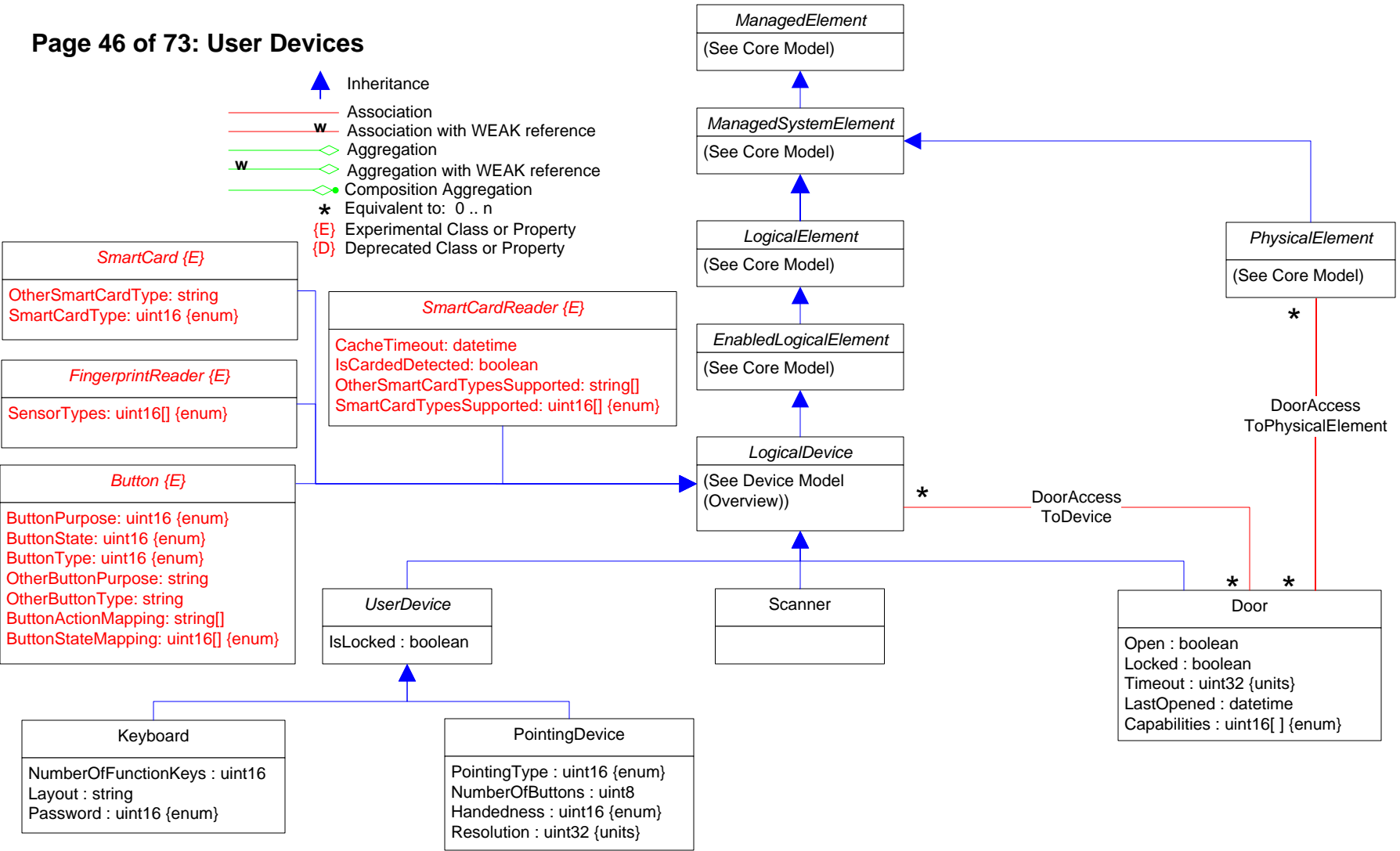













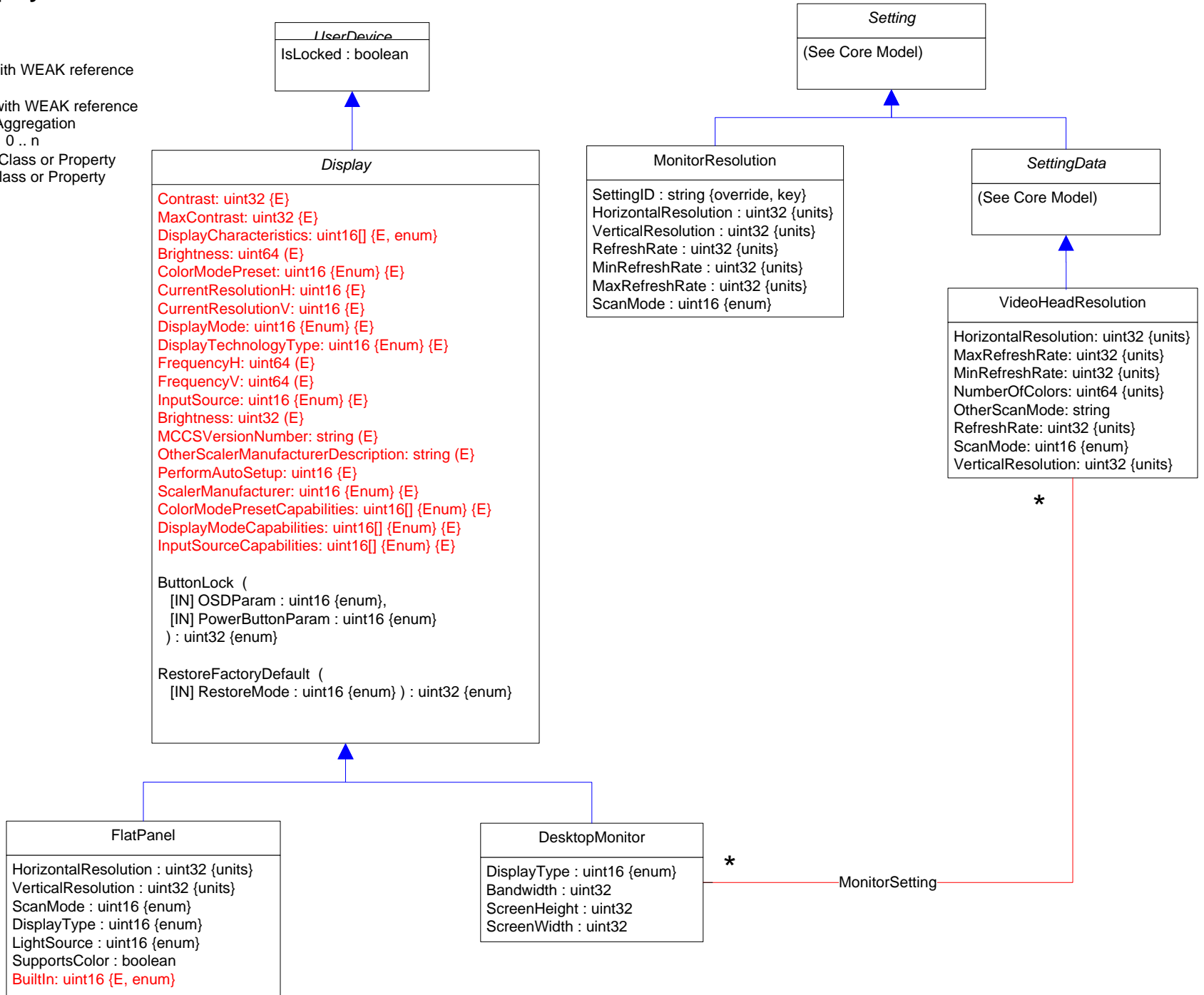


-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  \* Equivalent to: 0 .. n
- {E} Experimental Class or Property
- {D} Deprecated Class or Property

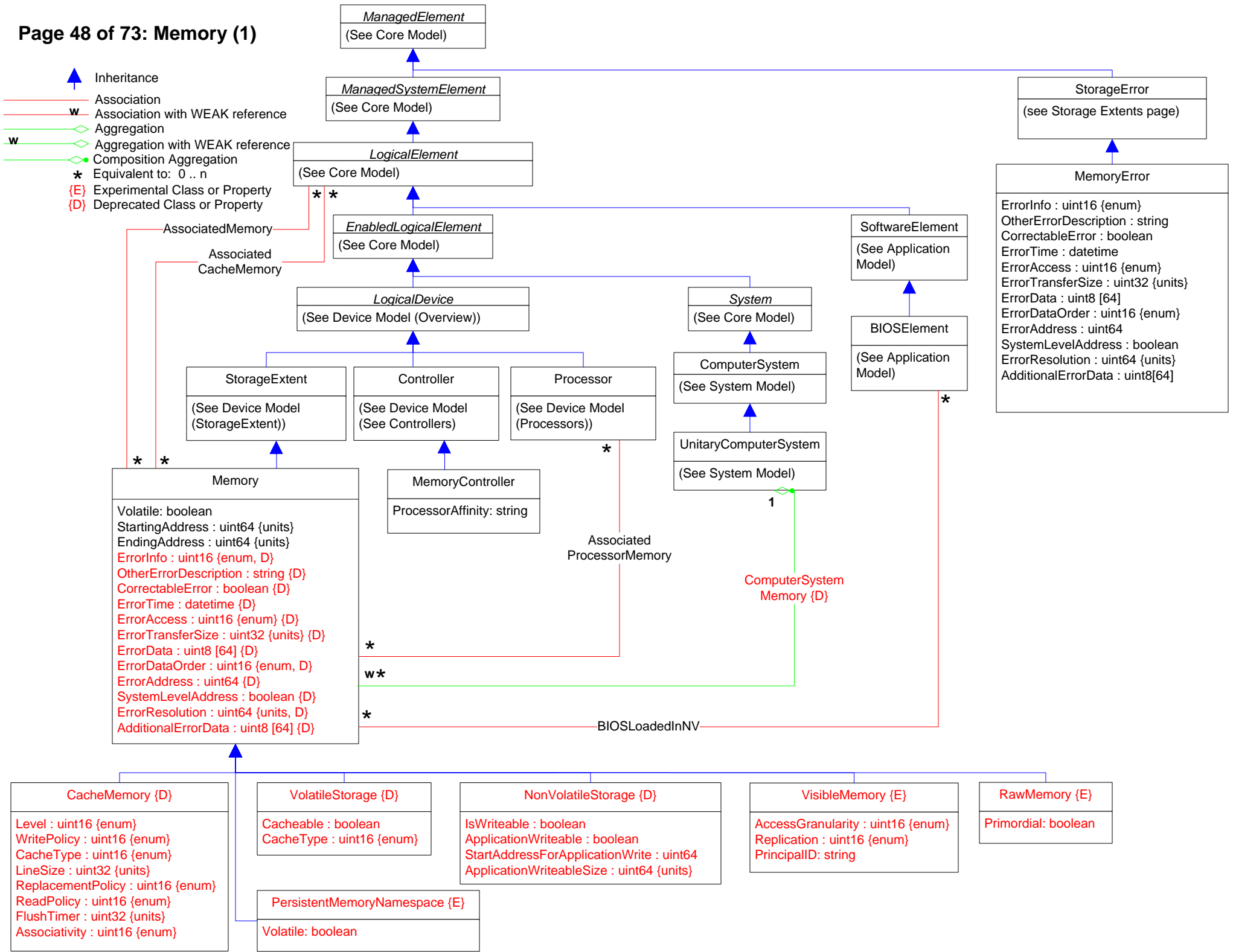


# Page 47 of 73: Displays

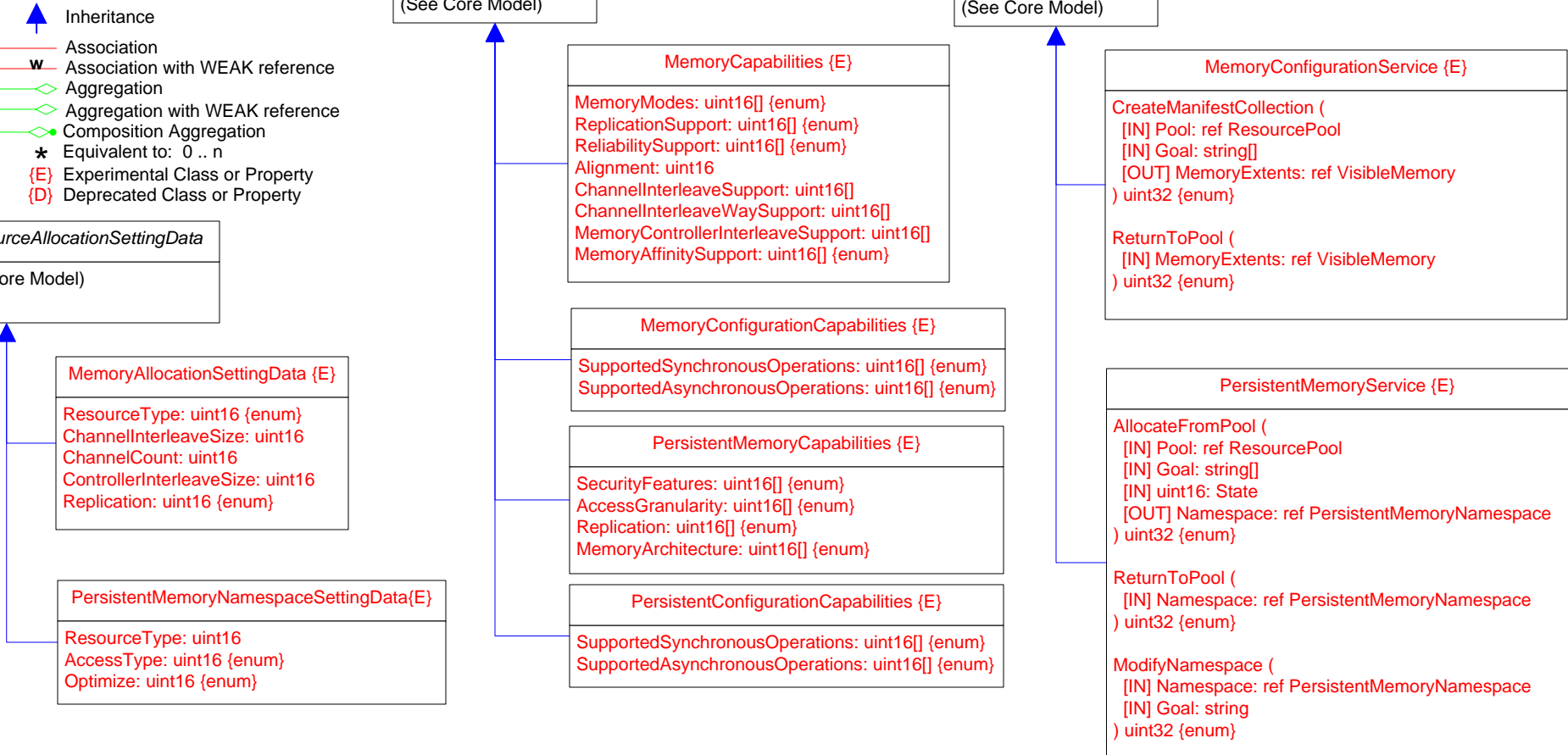
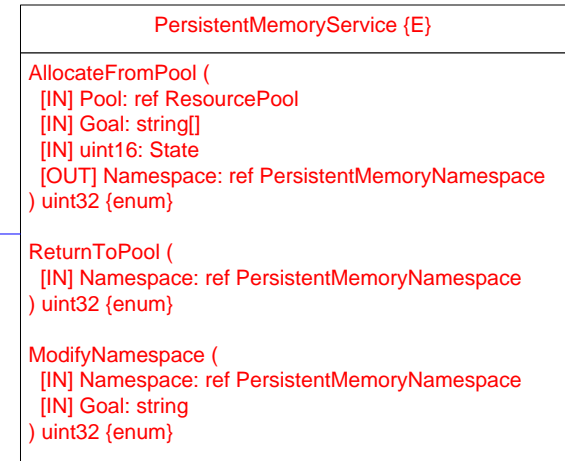
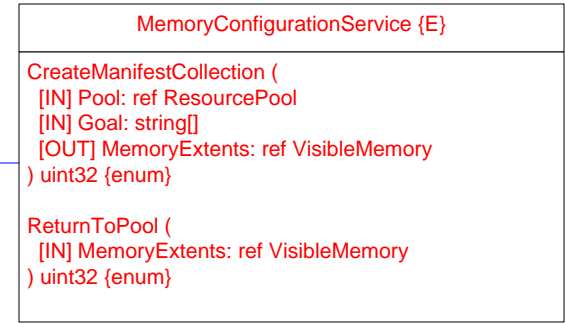
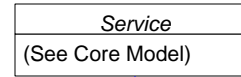
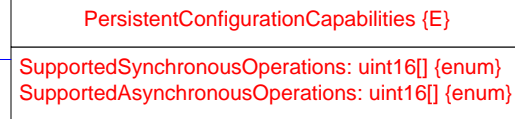
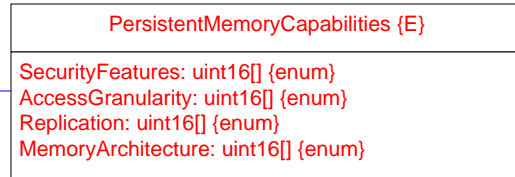
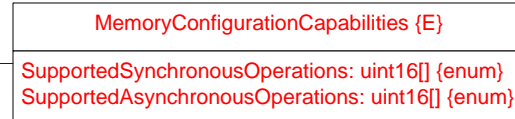
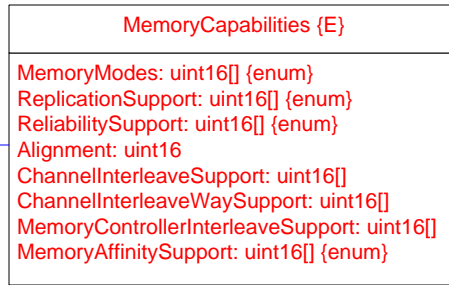
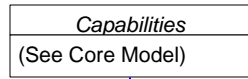
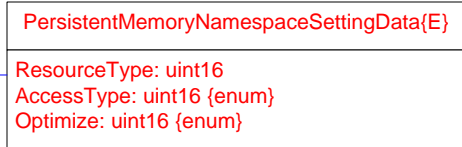
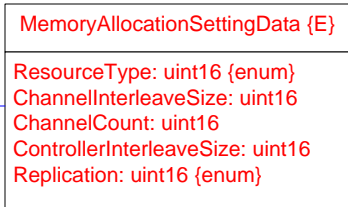
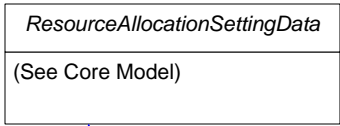
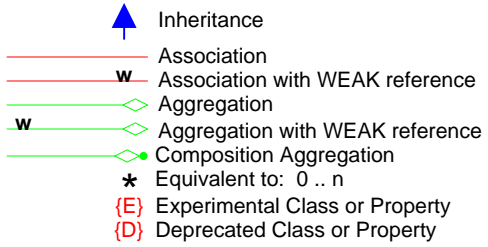
-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0..n
- {E} Experimental Class or Property
- {D} Deprecated Class or Property












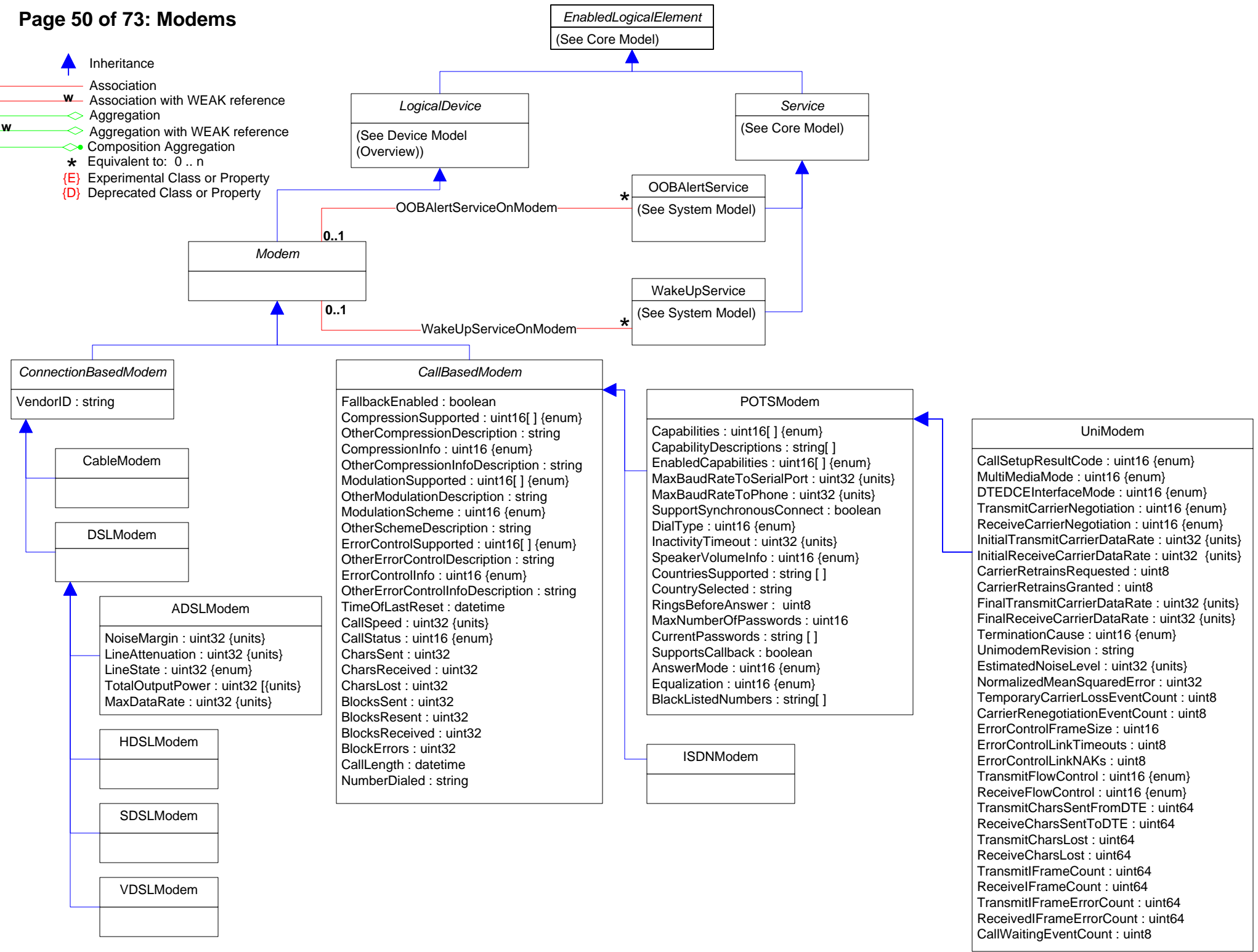
- Inheritance
- Association
- Association with WEAK reference
- Aggregation
- Aggregation with WEAK reference
- Composition Aggregation
- Equivalent to: 0..n
- Experimental Class or Property
- Deprecated Class or Property

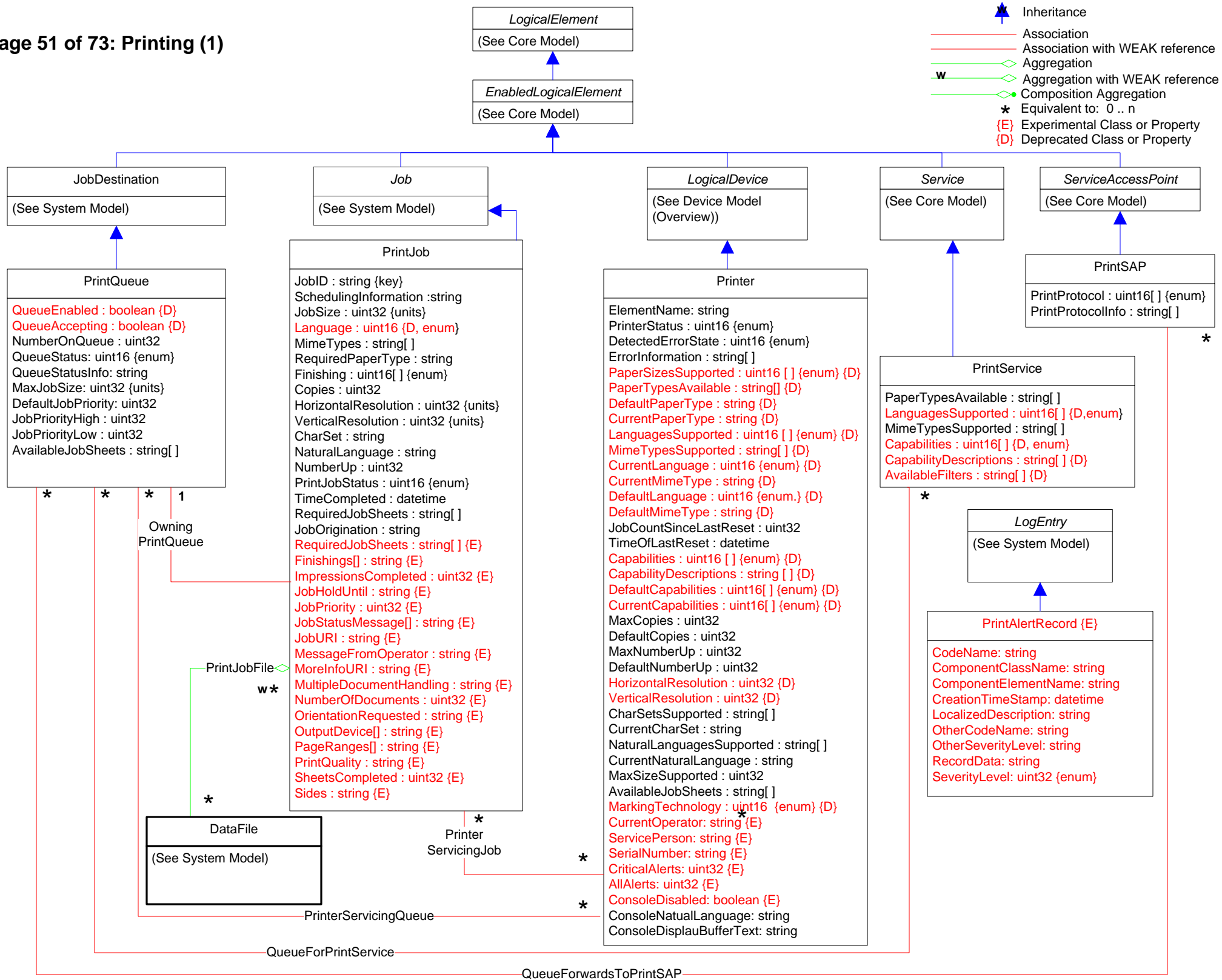


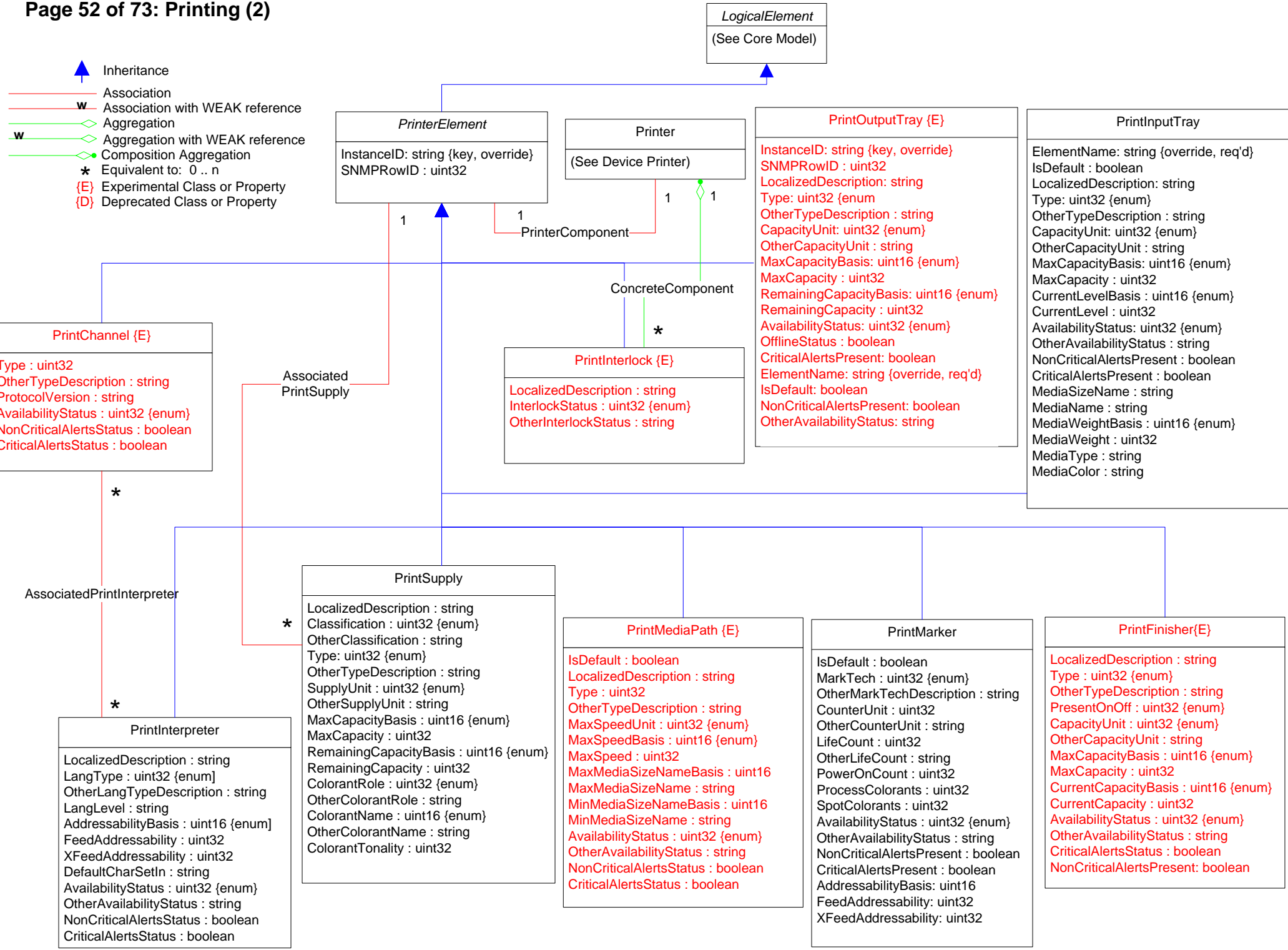


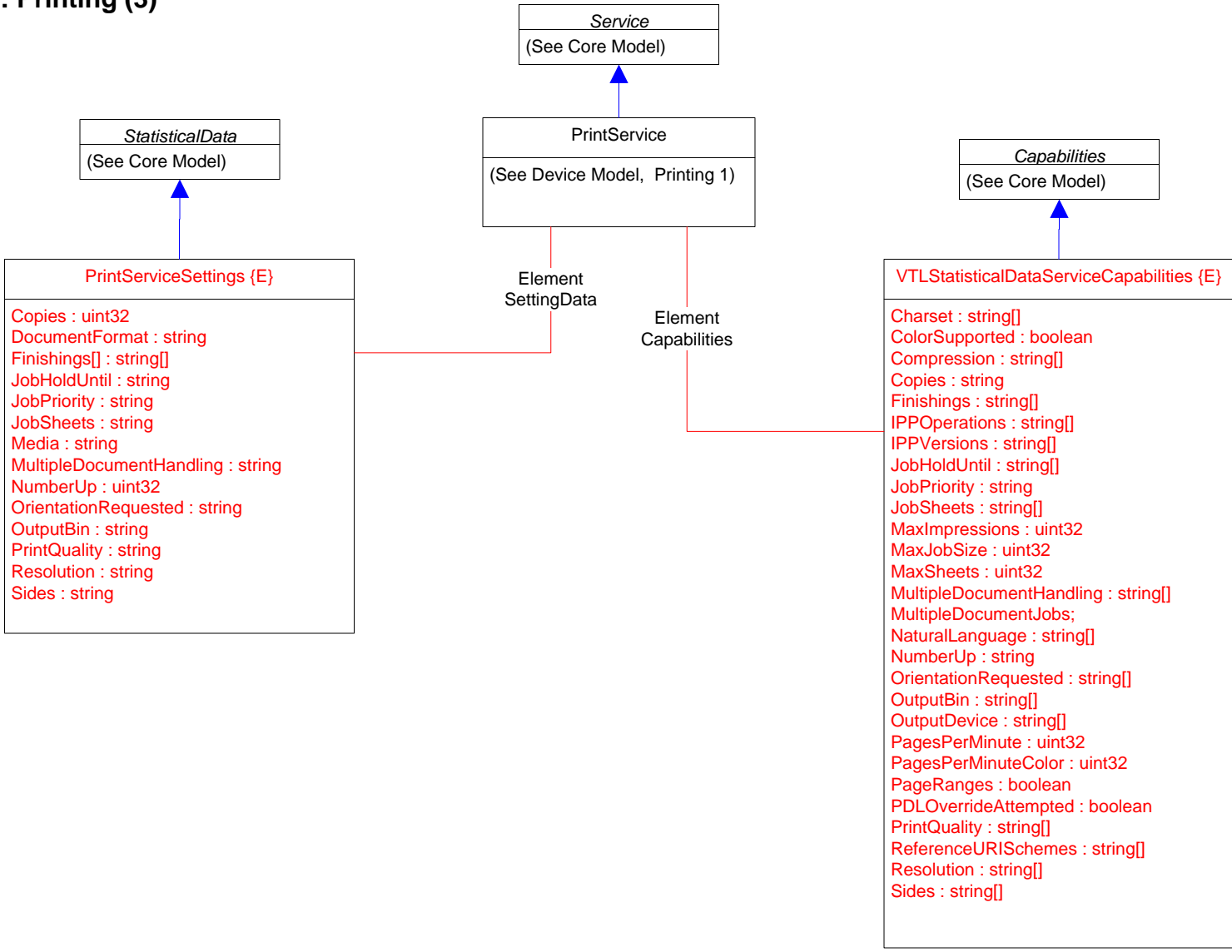


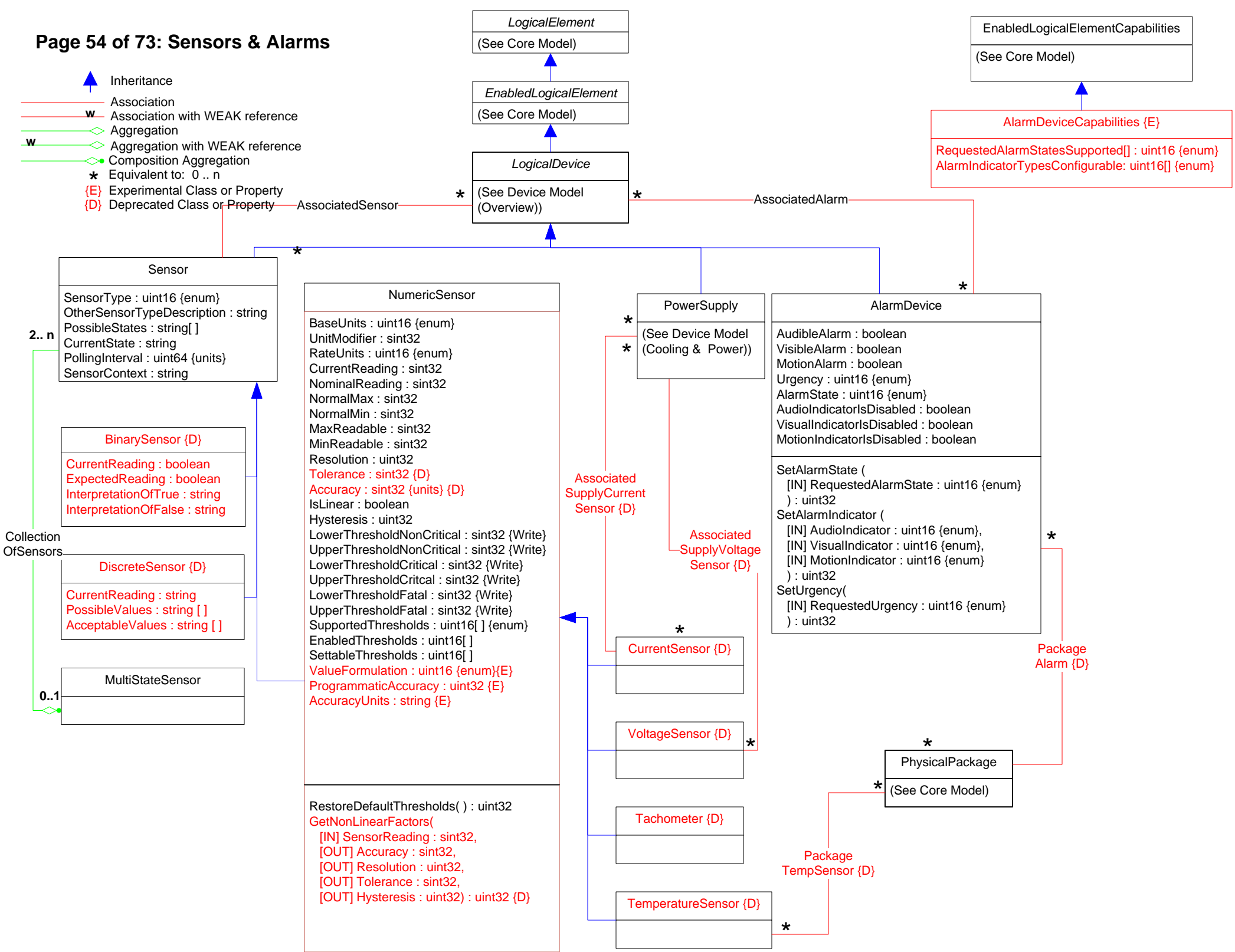
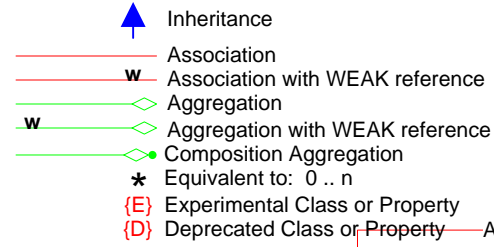
-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0..n
-  {E} Experimental Class or Property
-  {D} Deprecated Class or Property










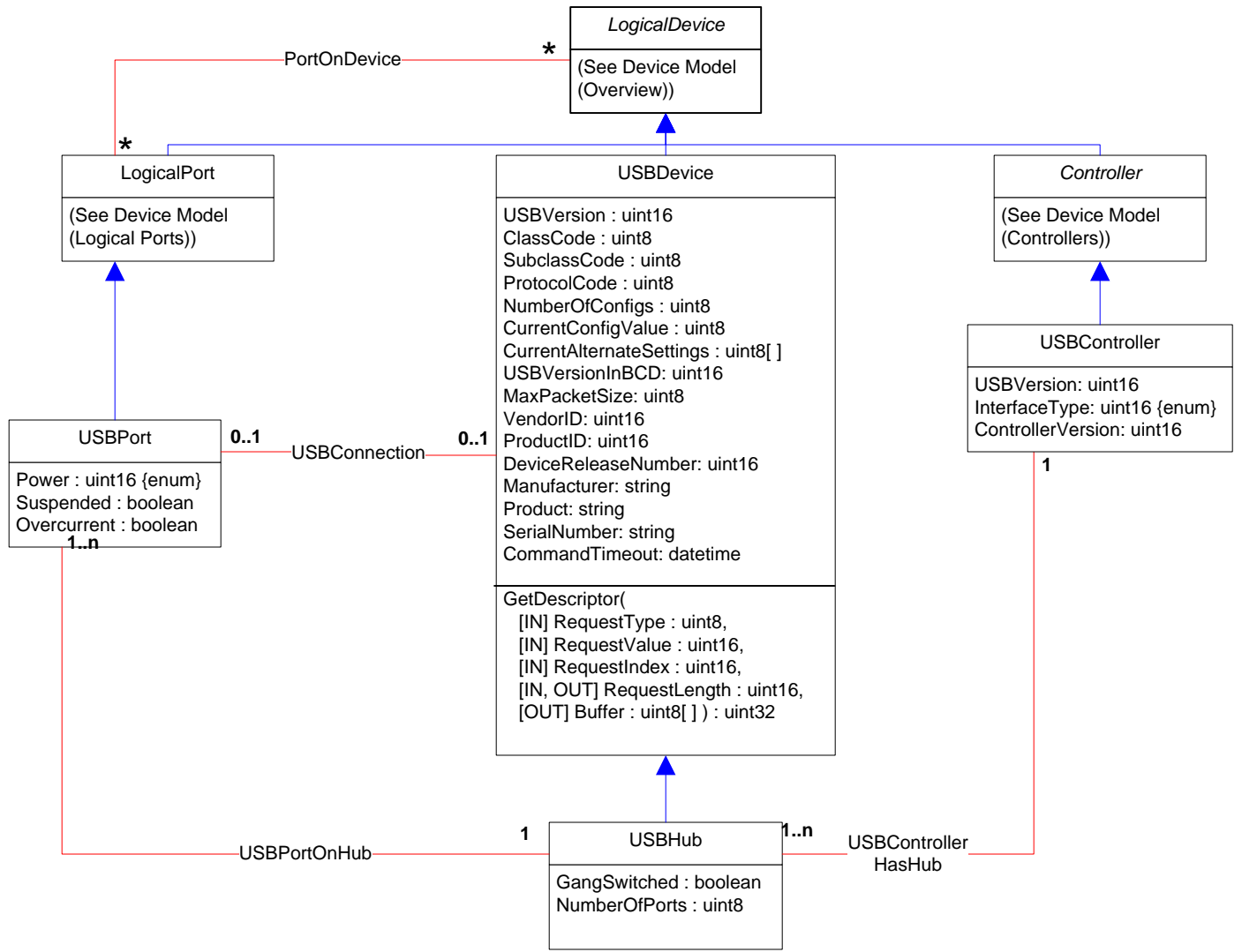







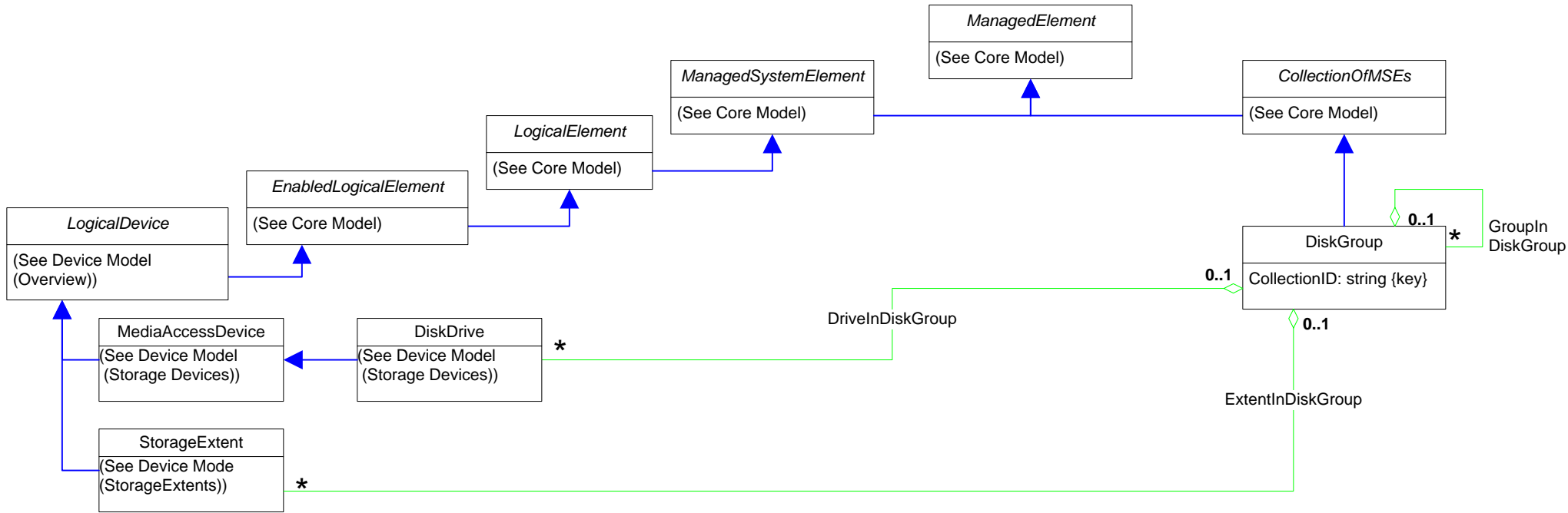


-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0 .. n










# Page 56 of 73: Disk Group

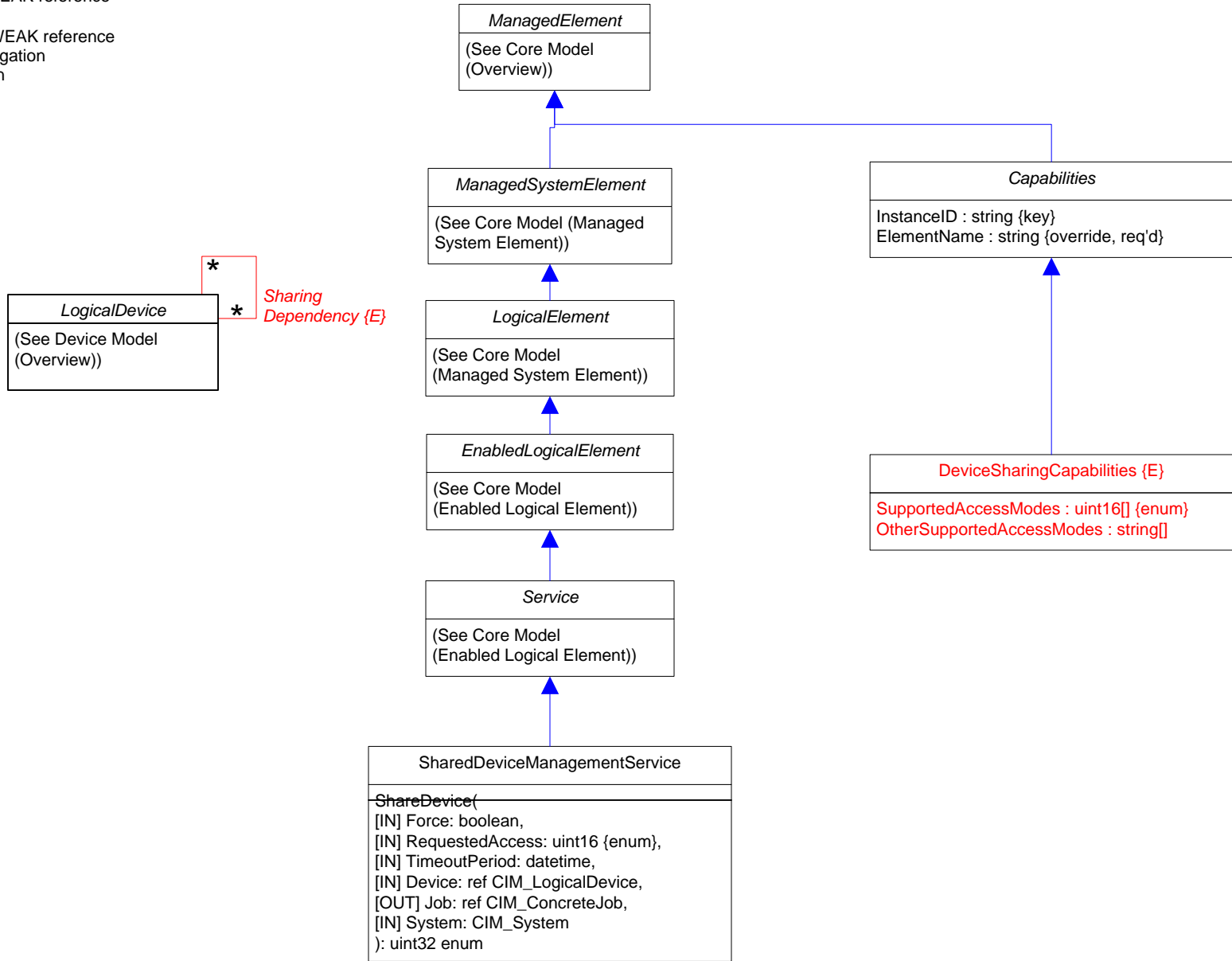
-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0..n





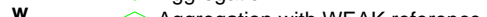
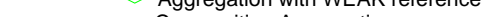



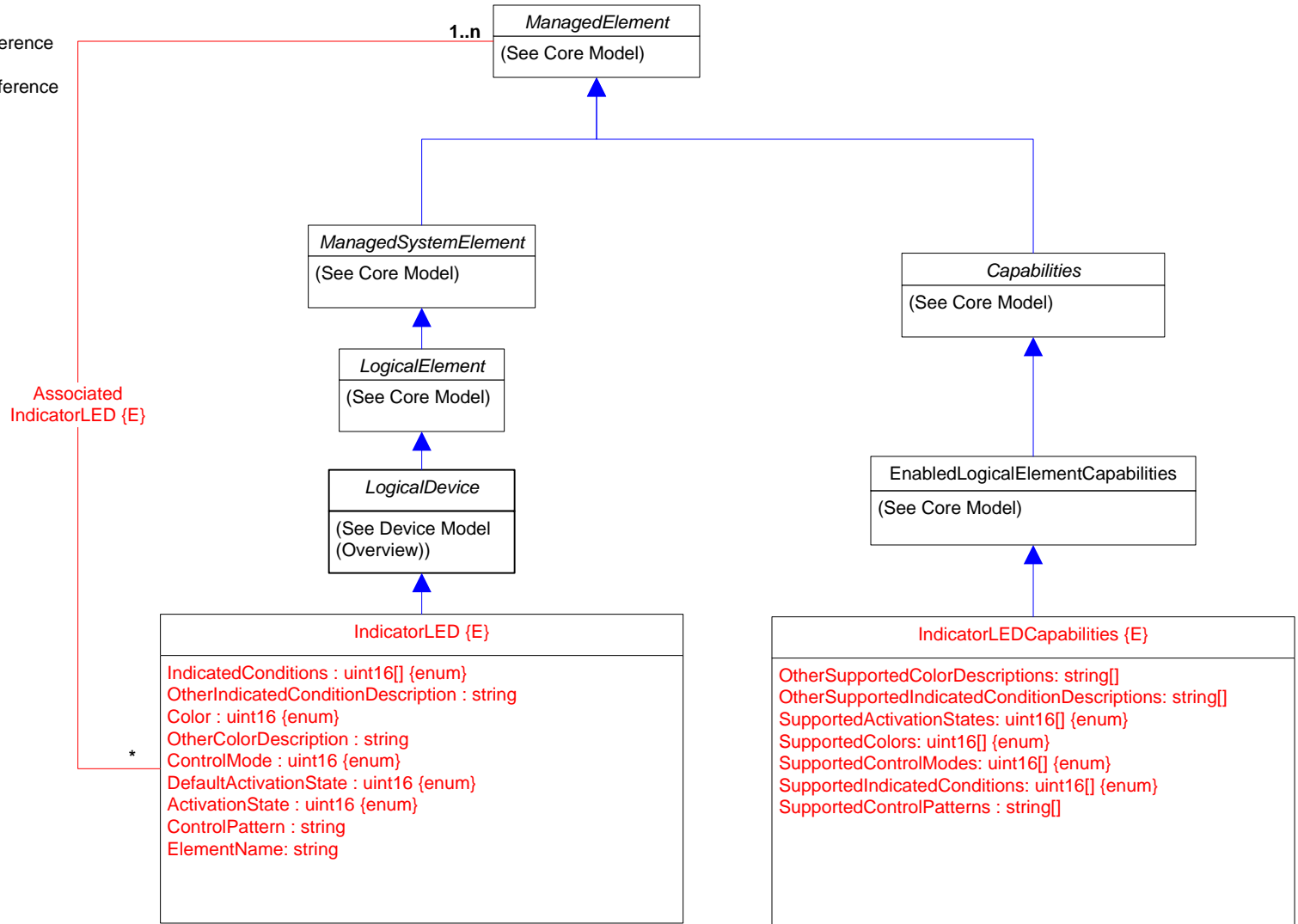



# Page 57 of 73: Device Sharing

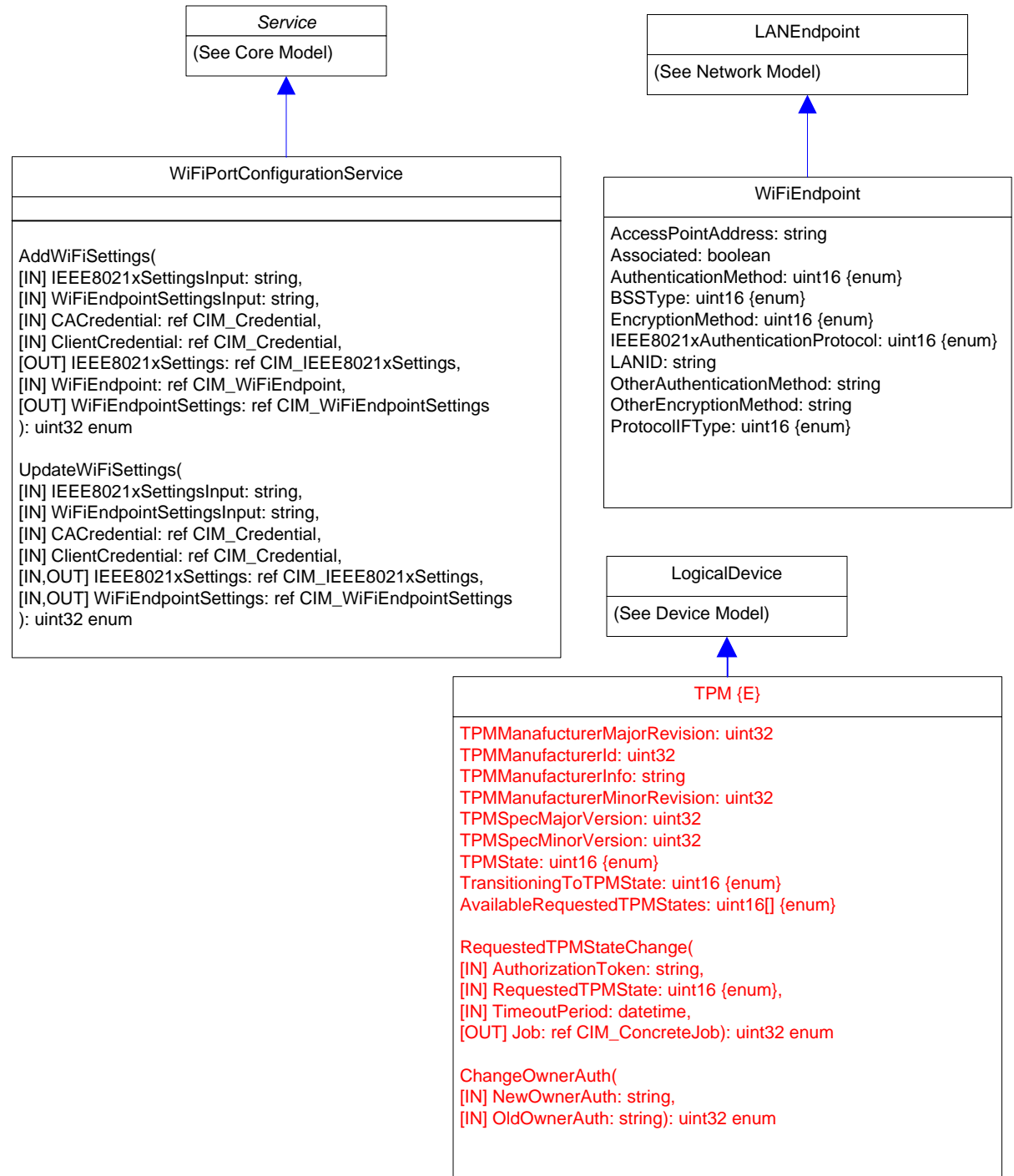
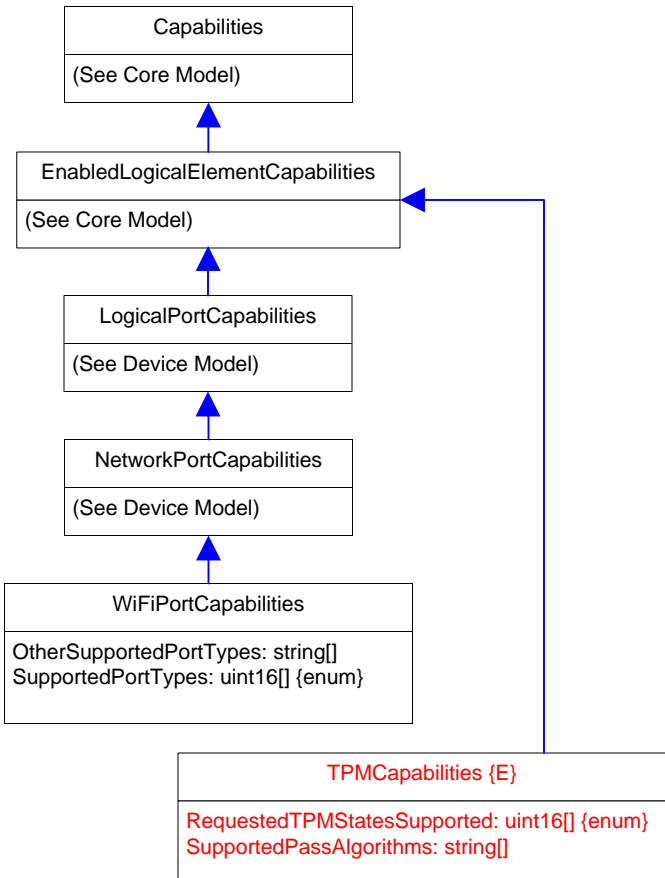
-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0..n

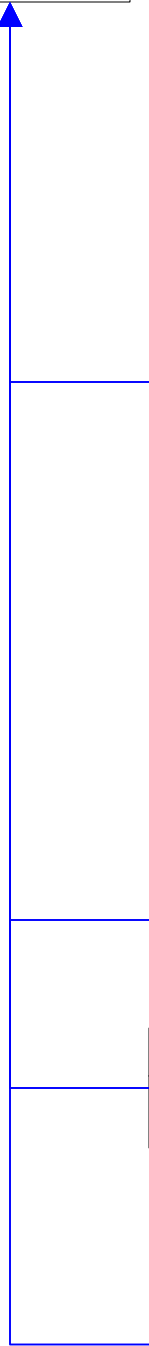
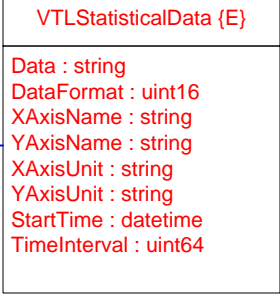
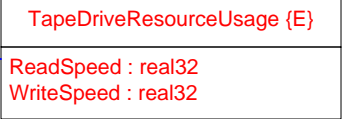
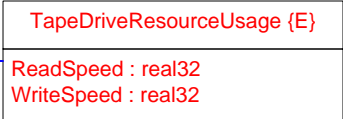
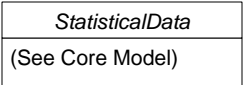
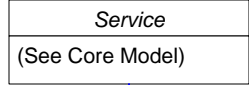


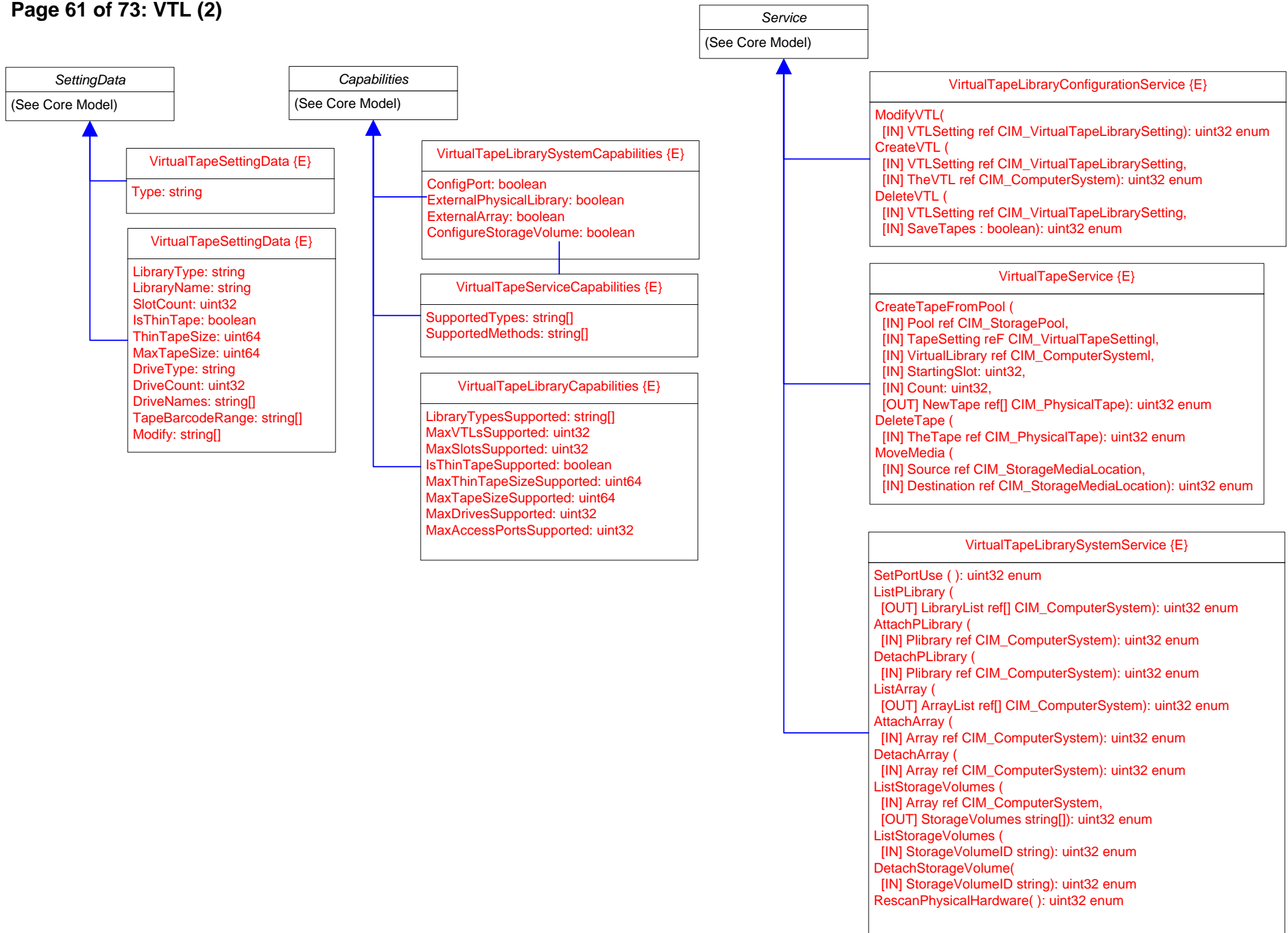
-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0 .. n

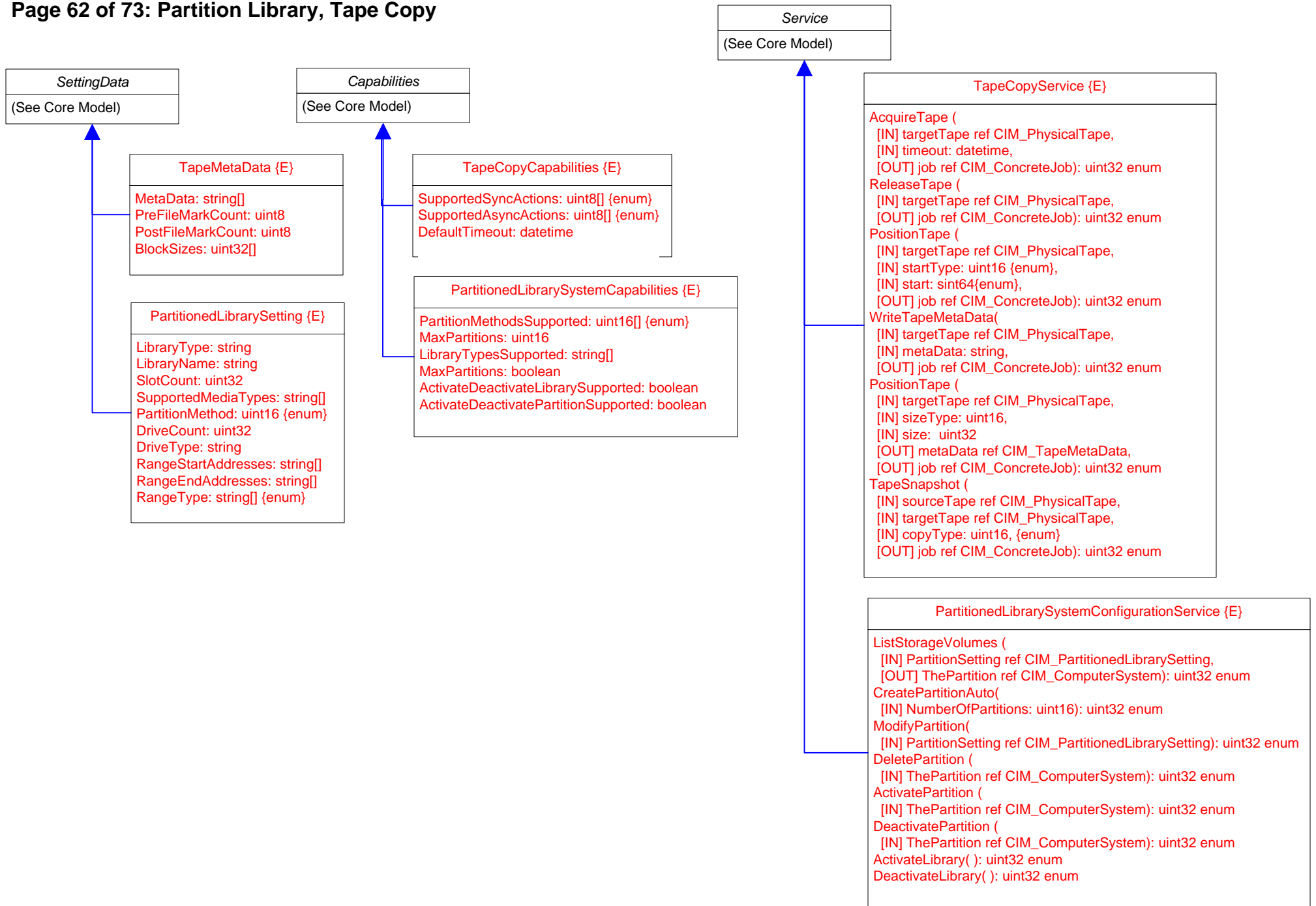


-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0 .. n
-  Experimental Class or Property
-  Deprecated Class or Property

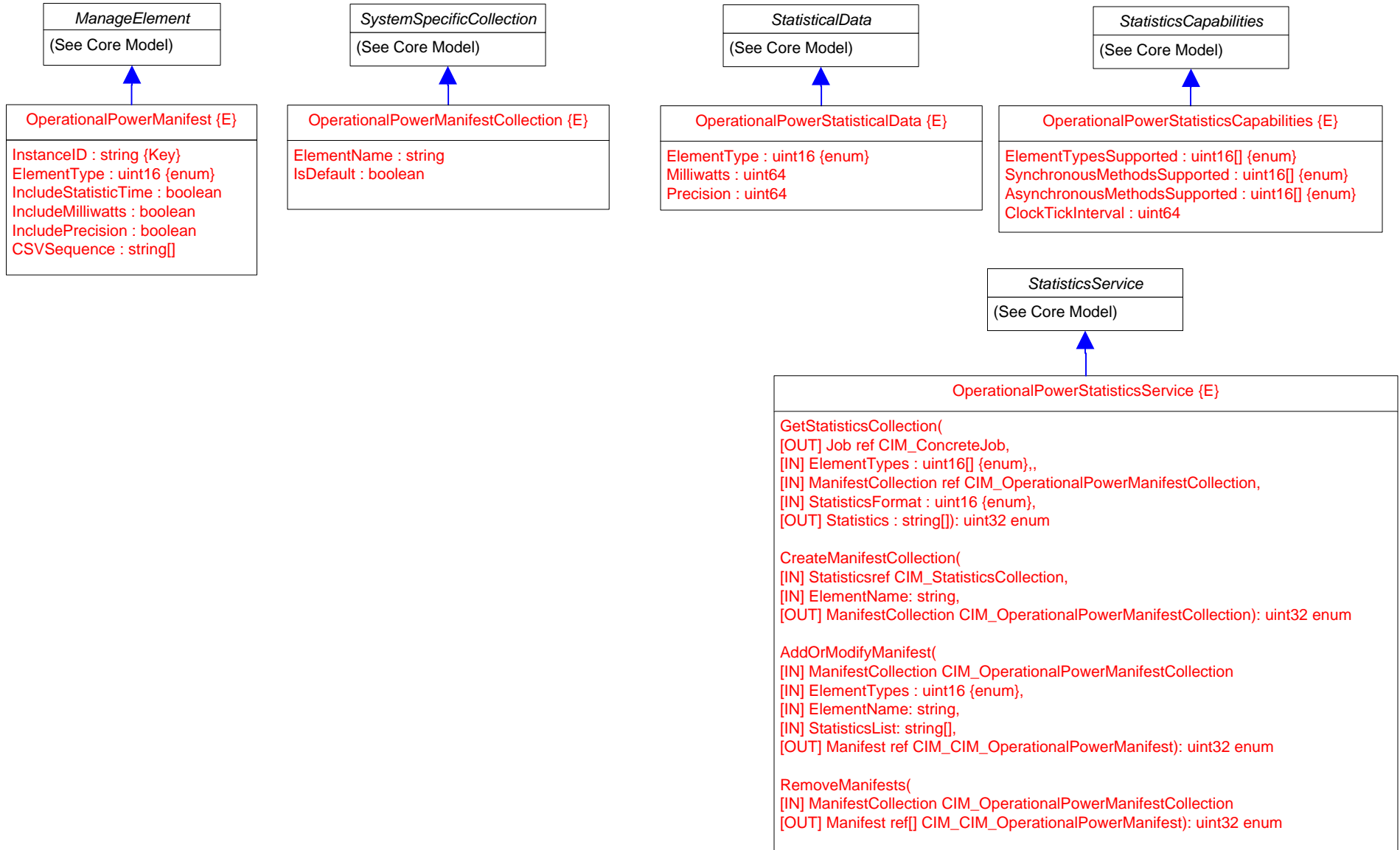


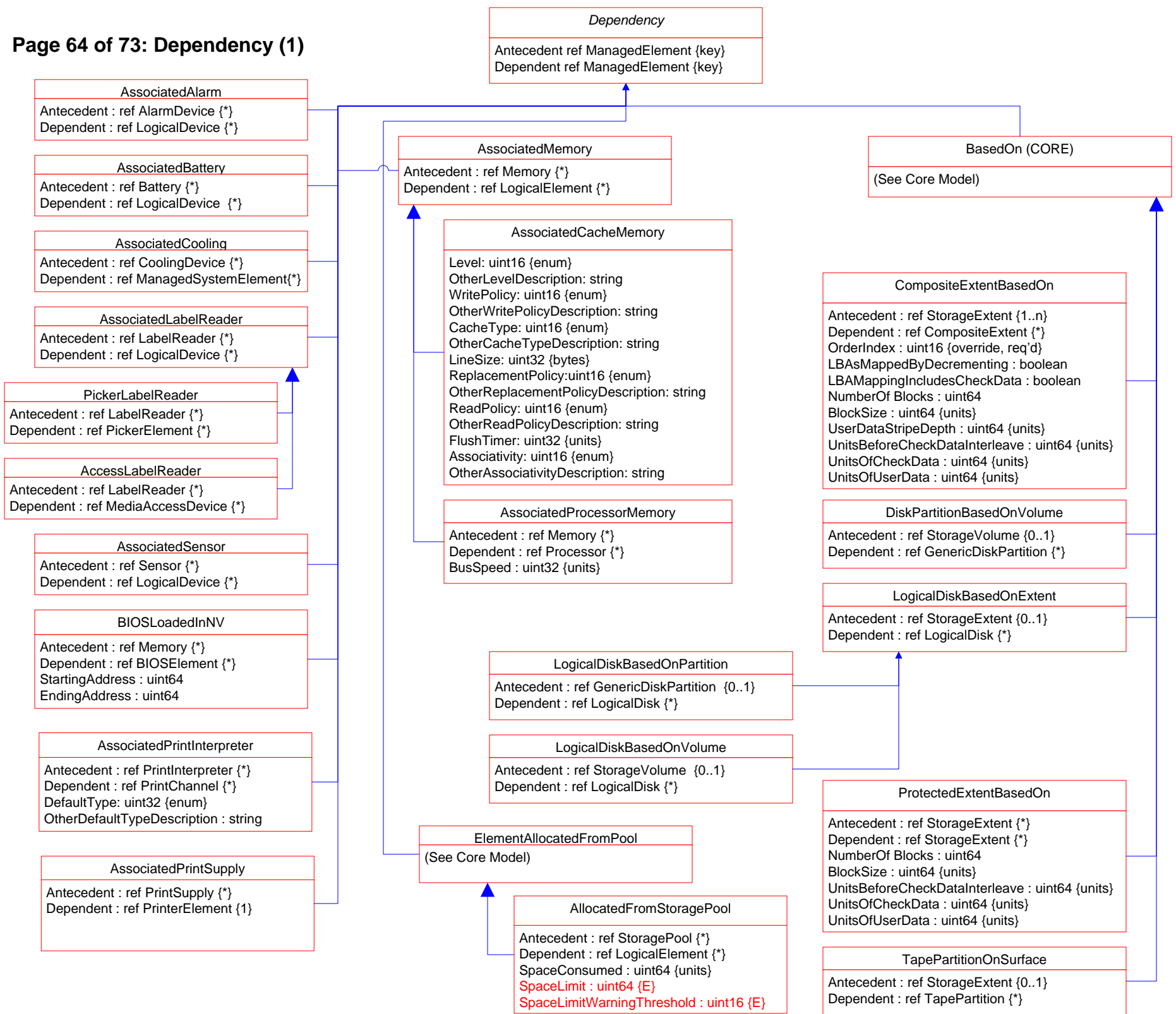




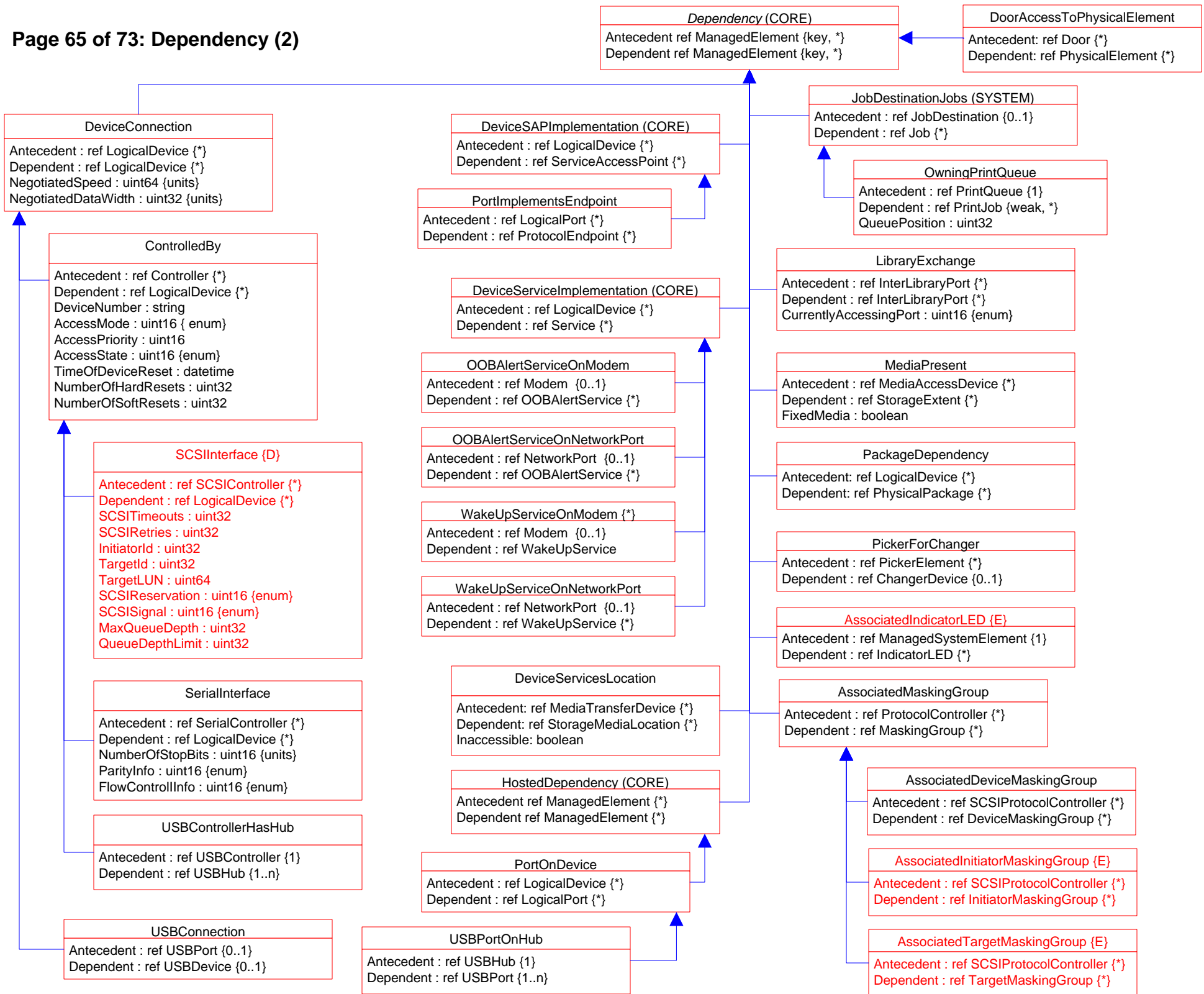


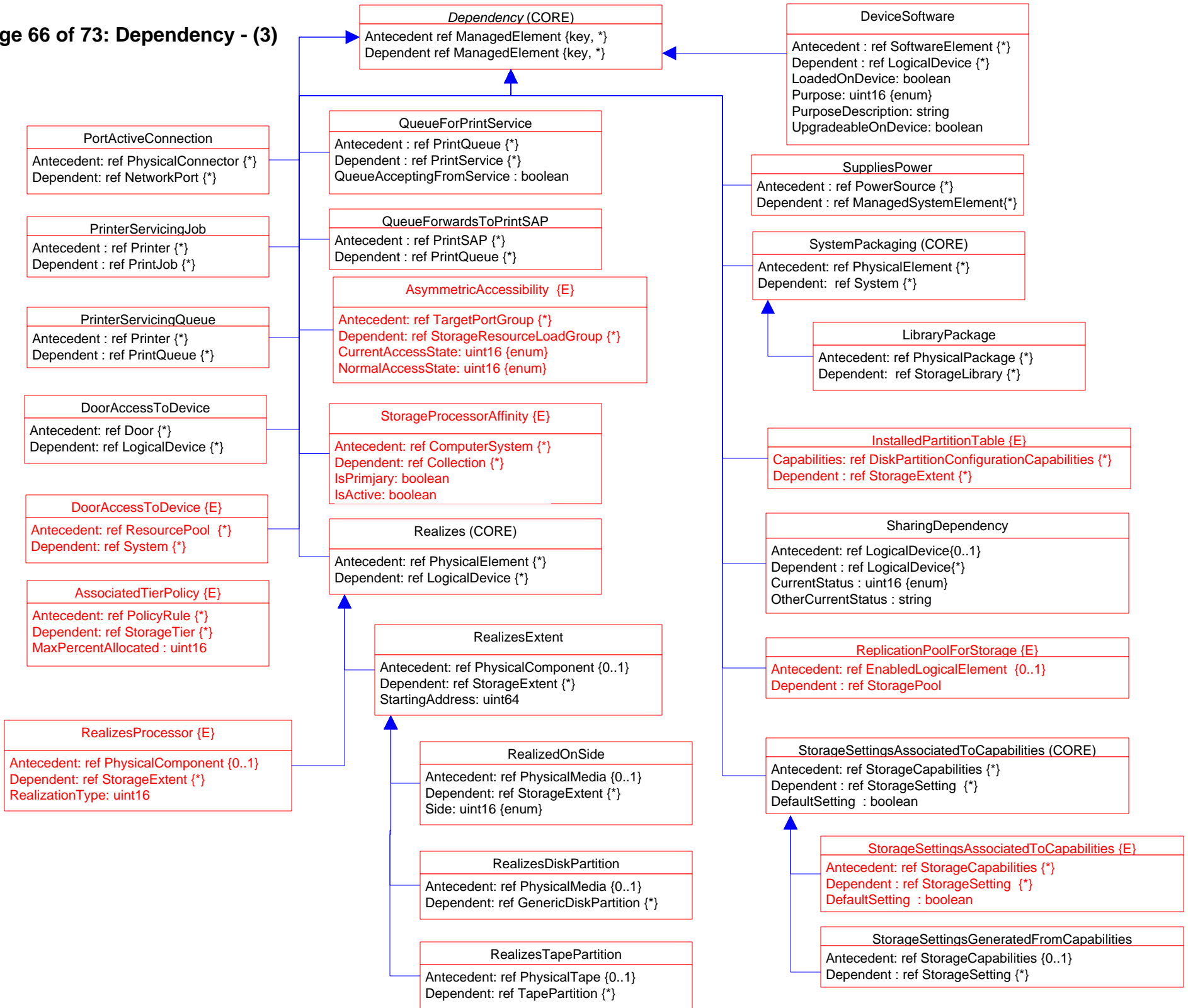
# Page 63 of 73: Operational Power

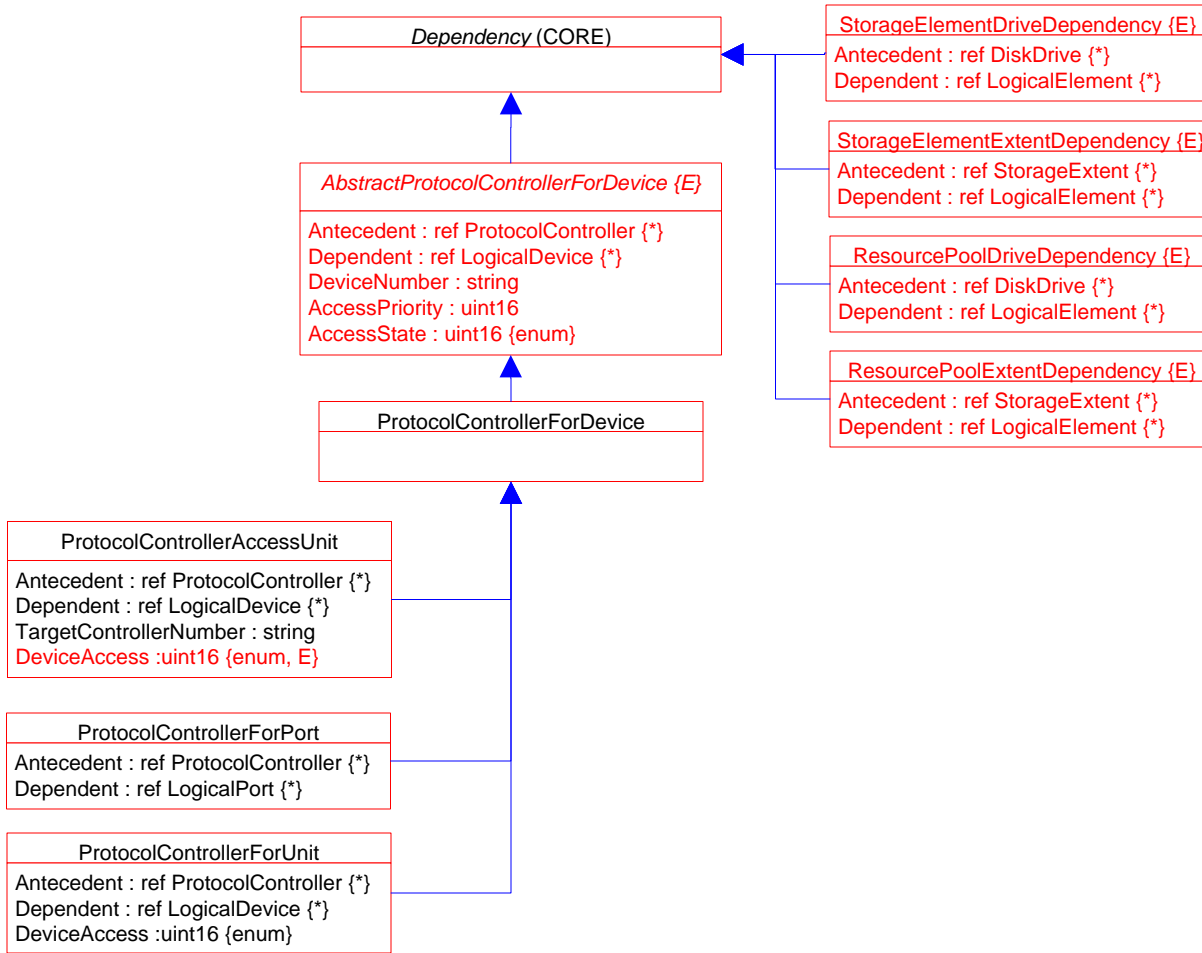




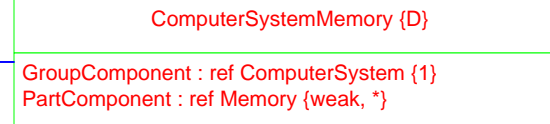
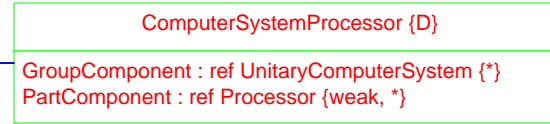
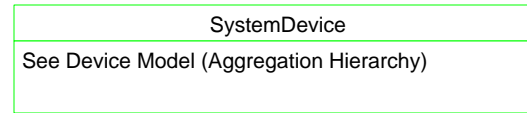
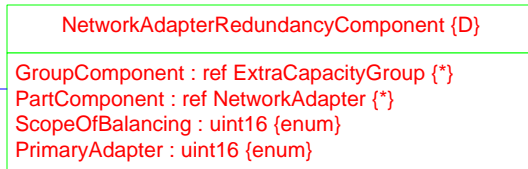
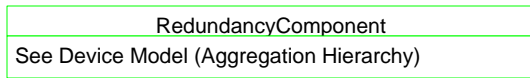
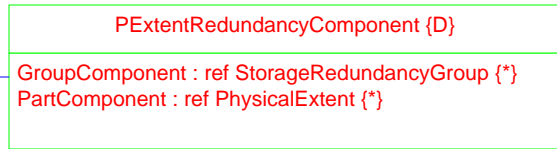
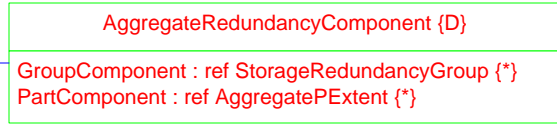
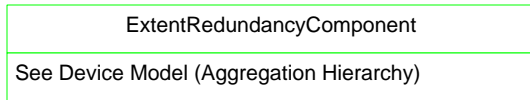




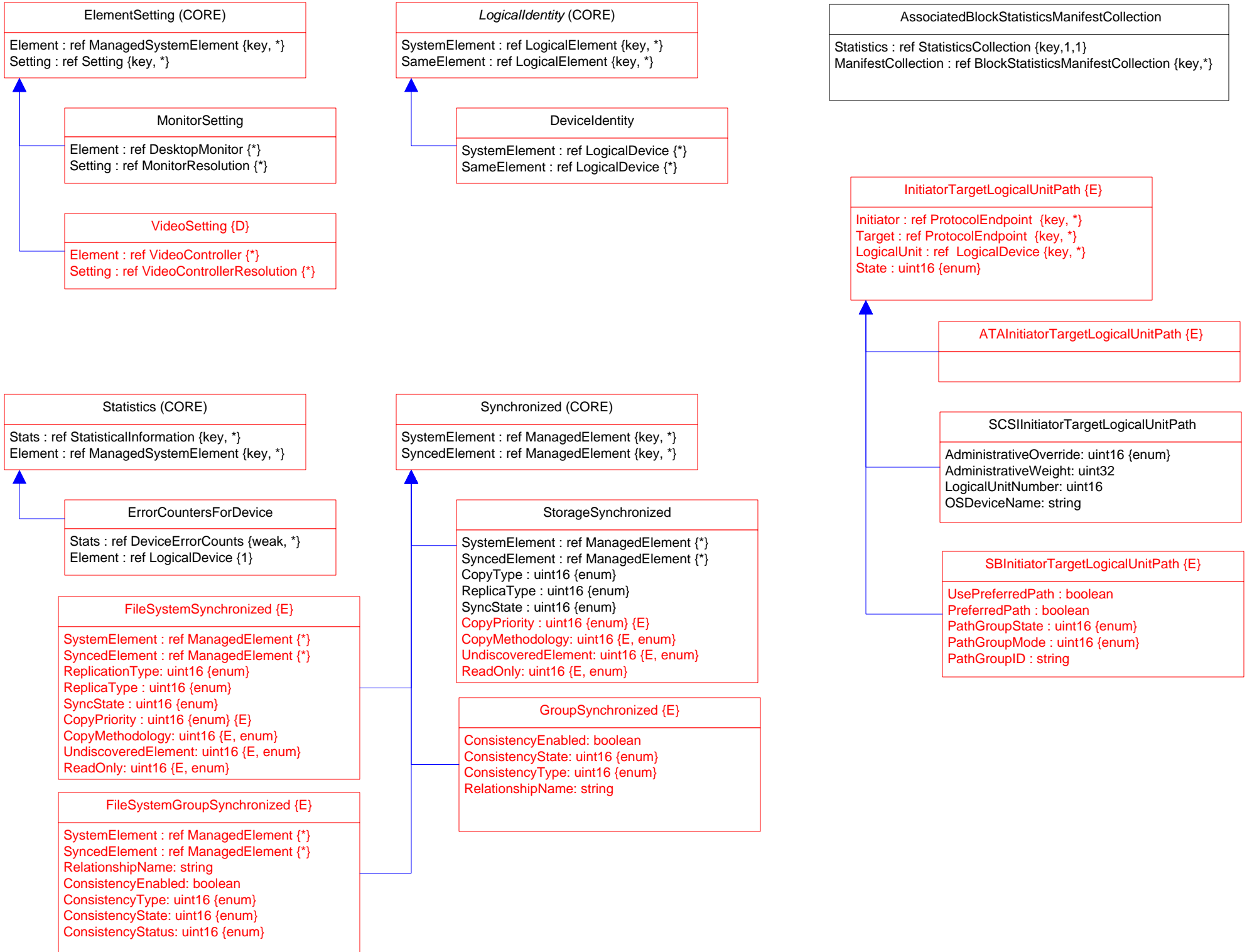


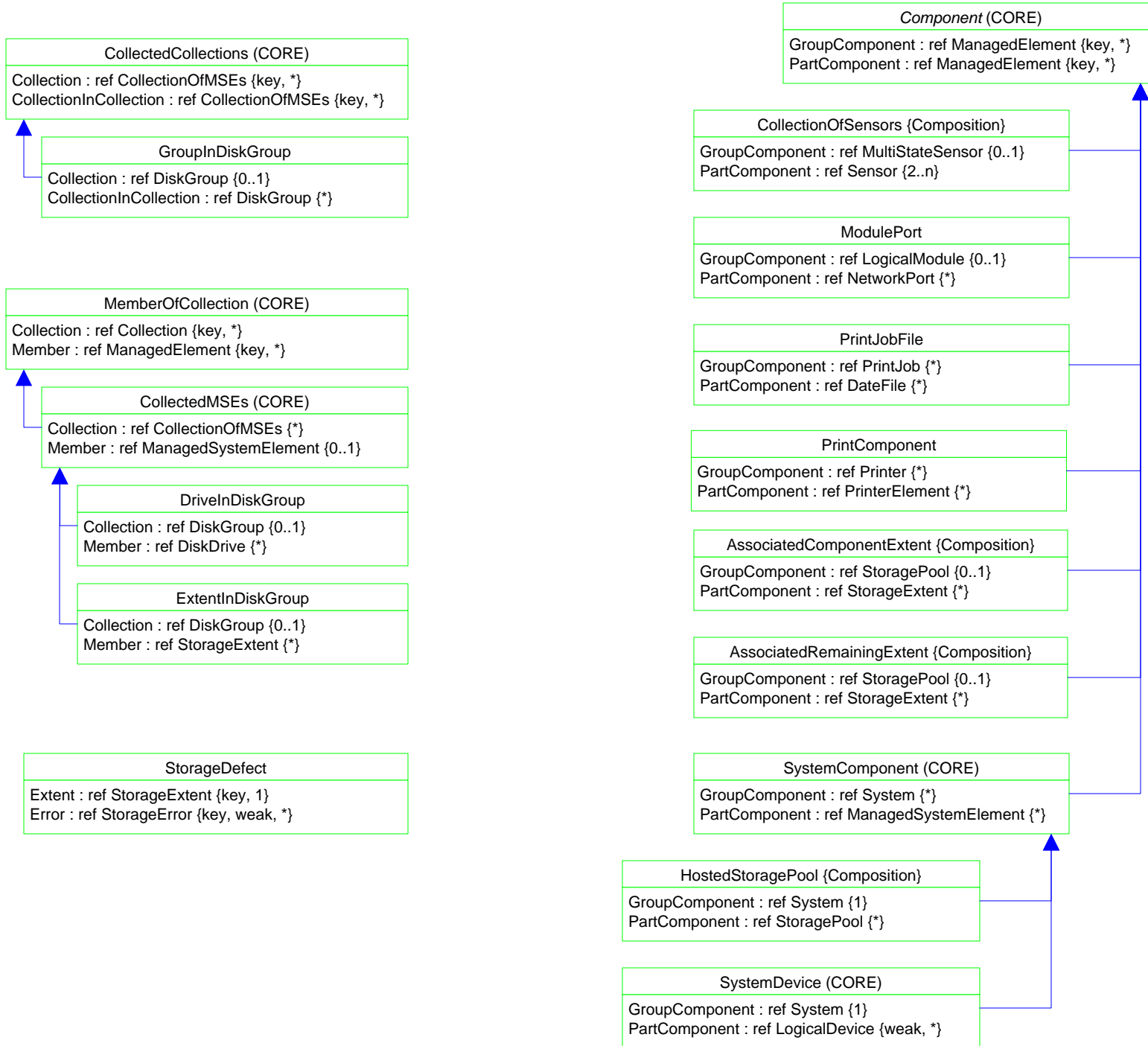


## Page 68 of 73: Aggregation Deprecation

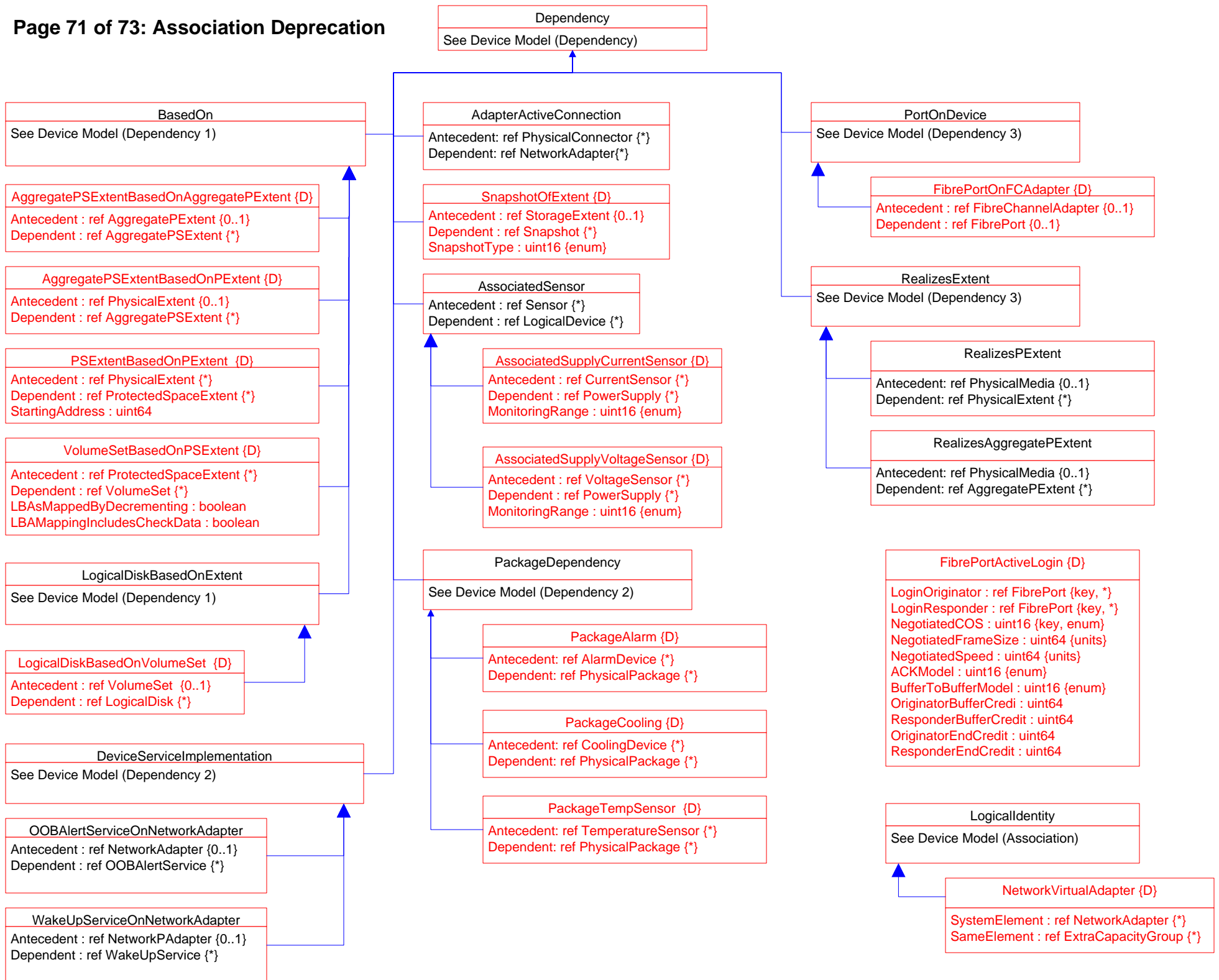


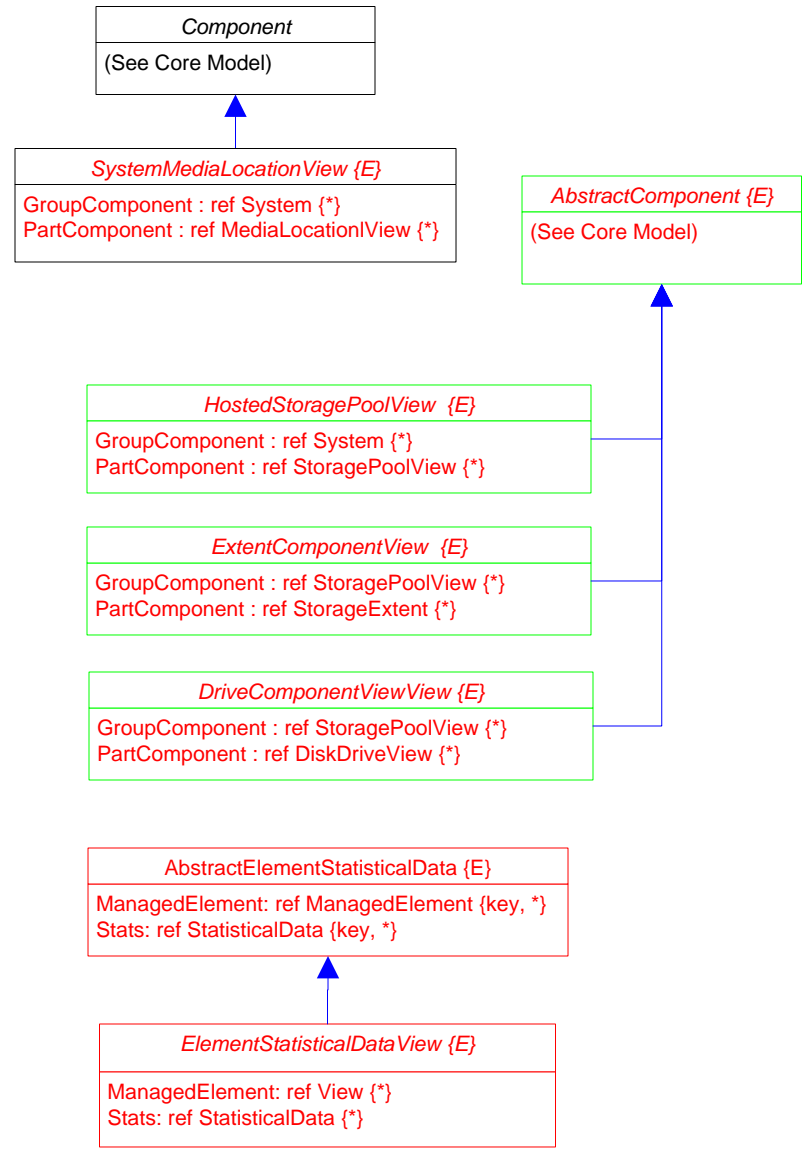
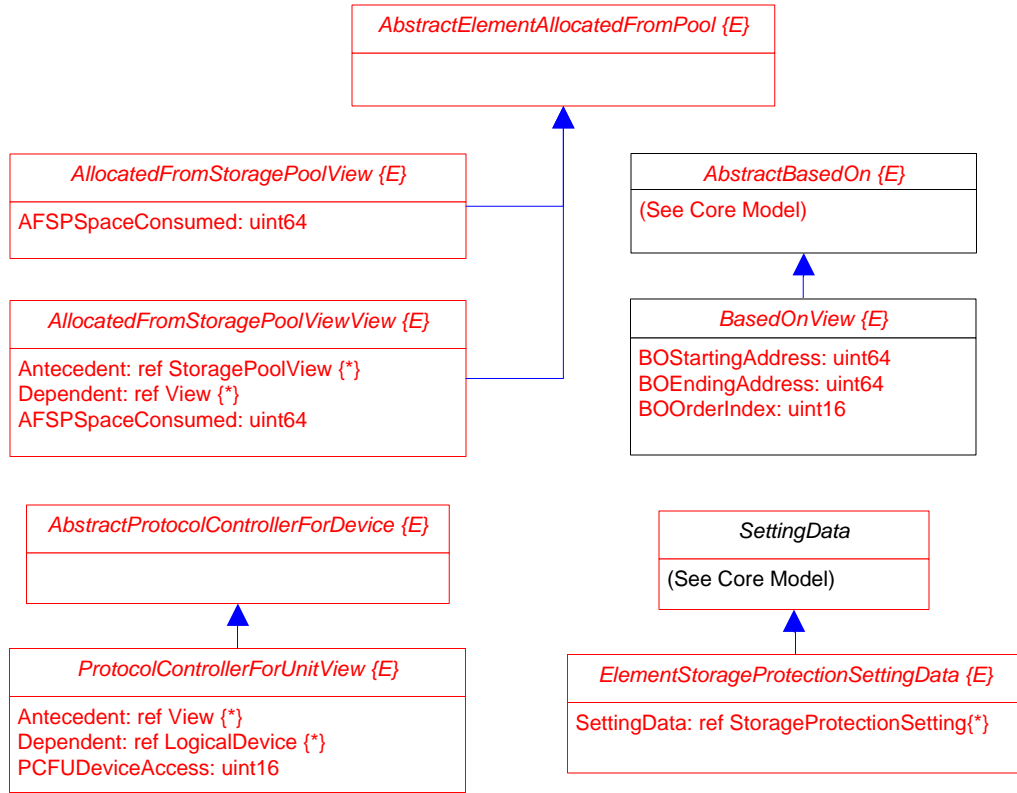
# Page 69 of 73: Association Hierarchy





# Page 71 of 73: 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