Title : Physical Specification V2.16
Filename : CIM_Physical.vsd
Author : DMTF CIM Core Schema WG
Date : 02 August 2007

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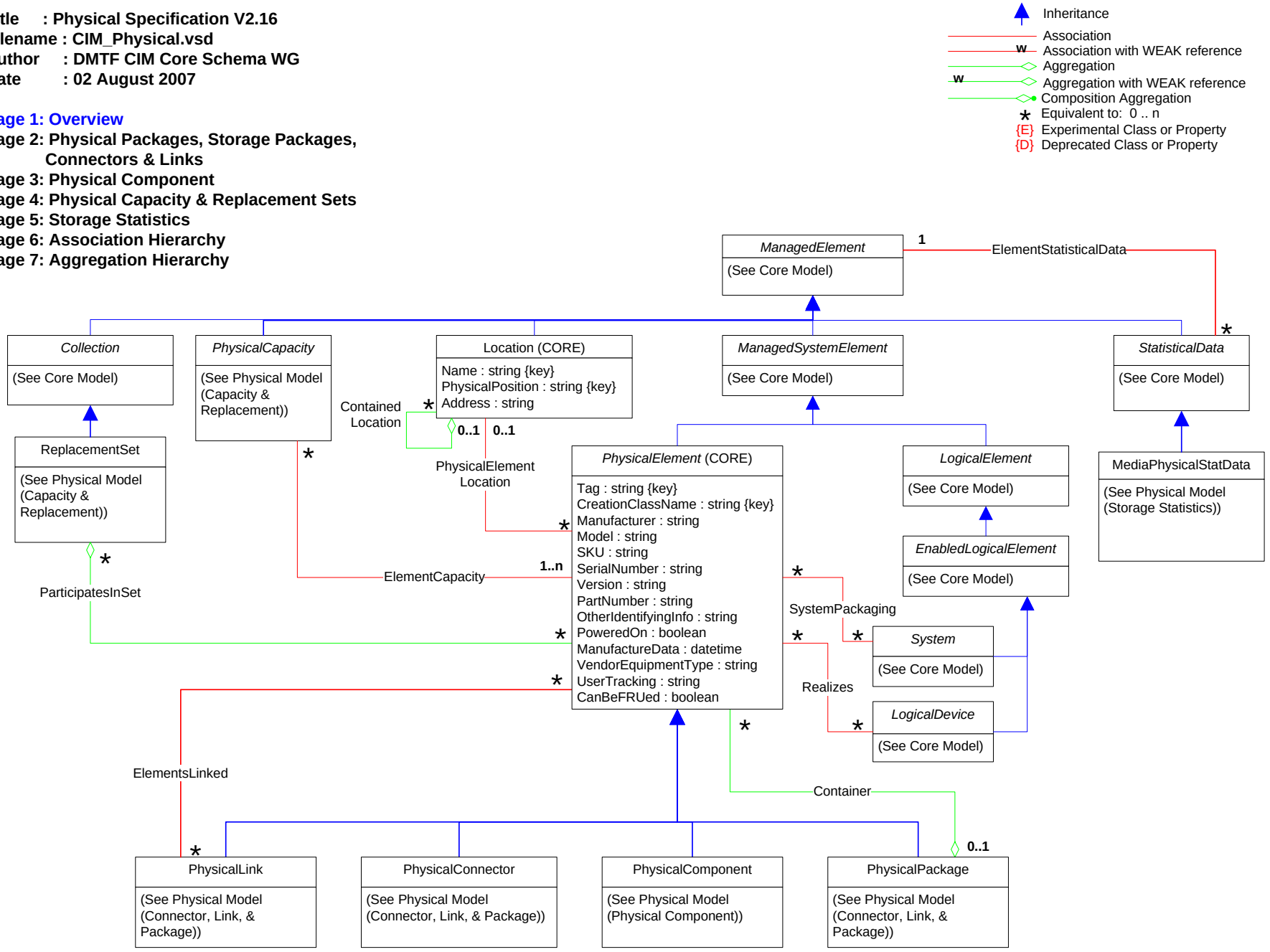
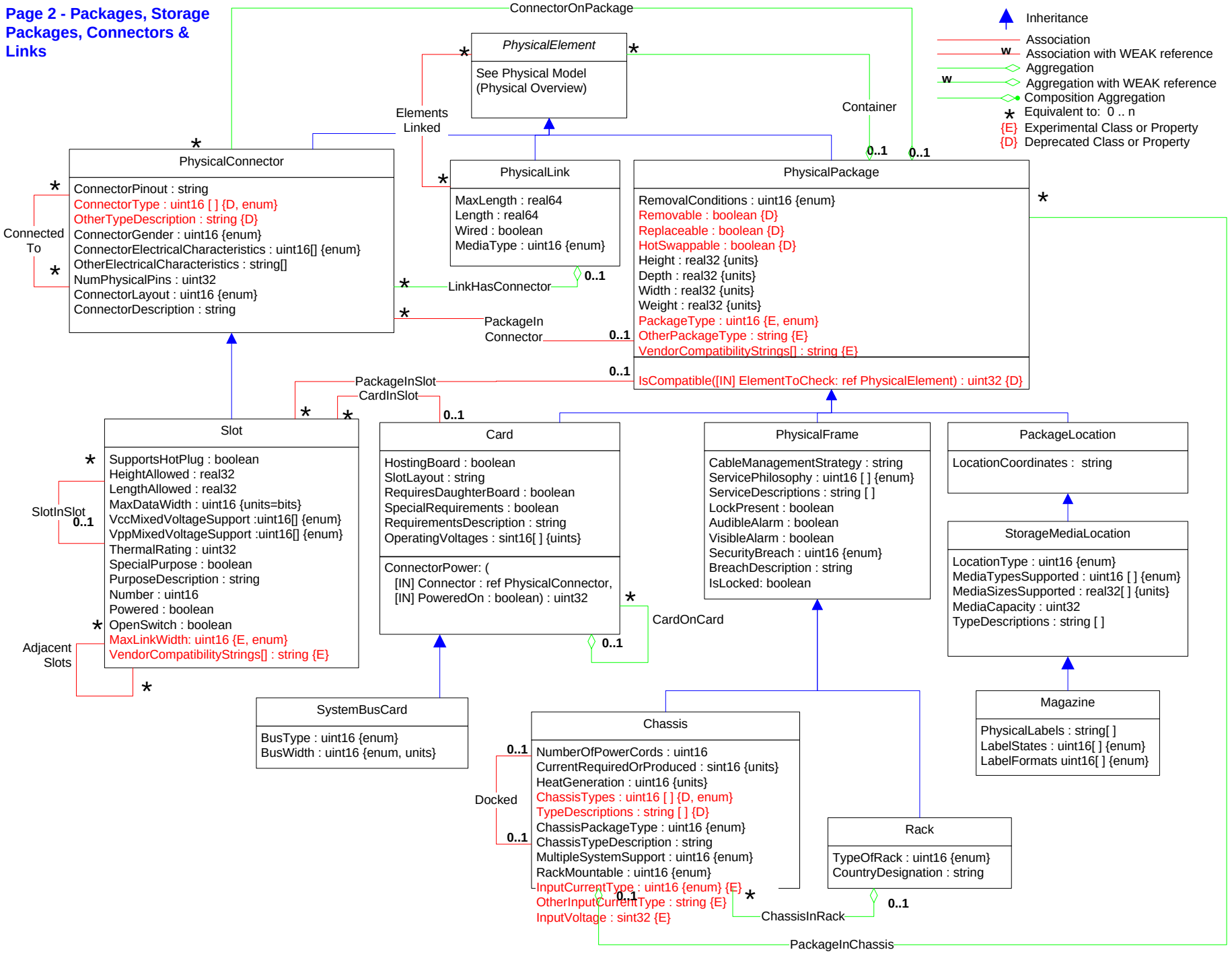
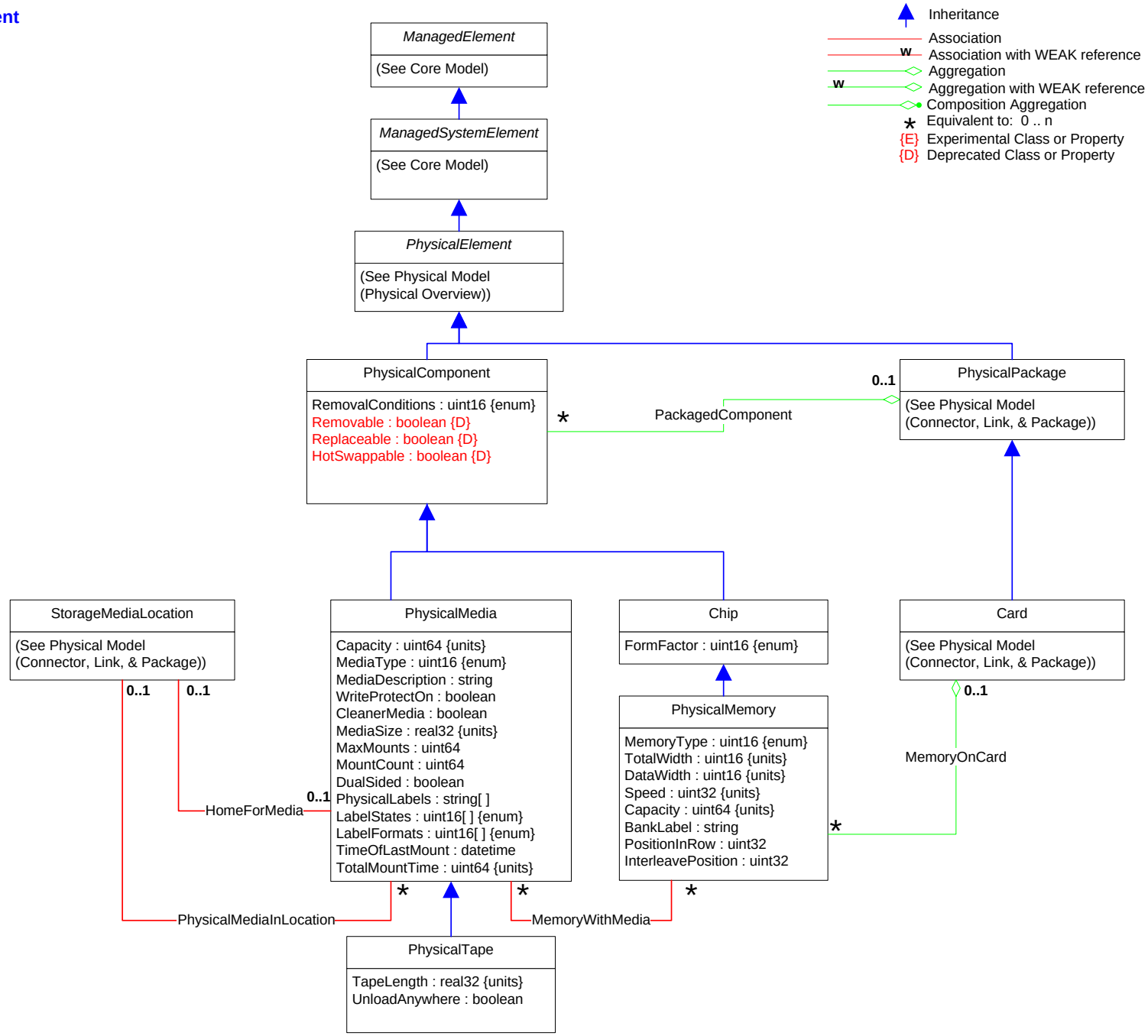
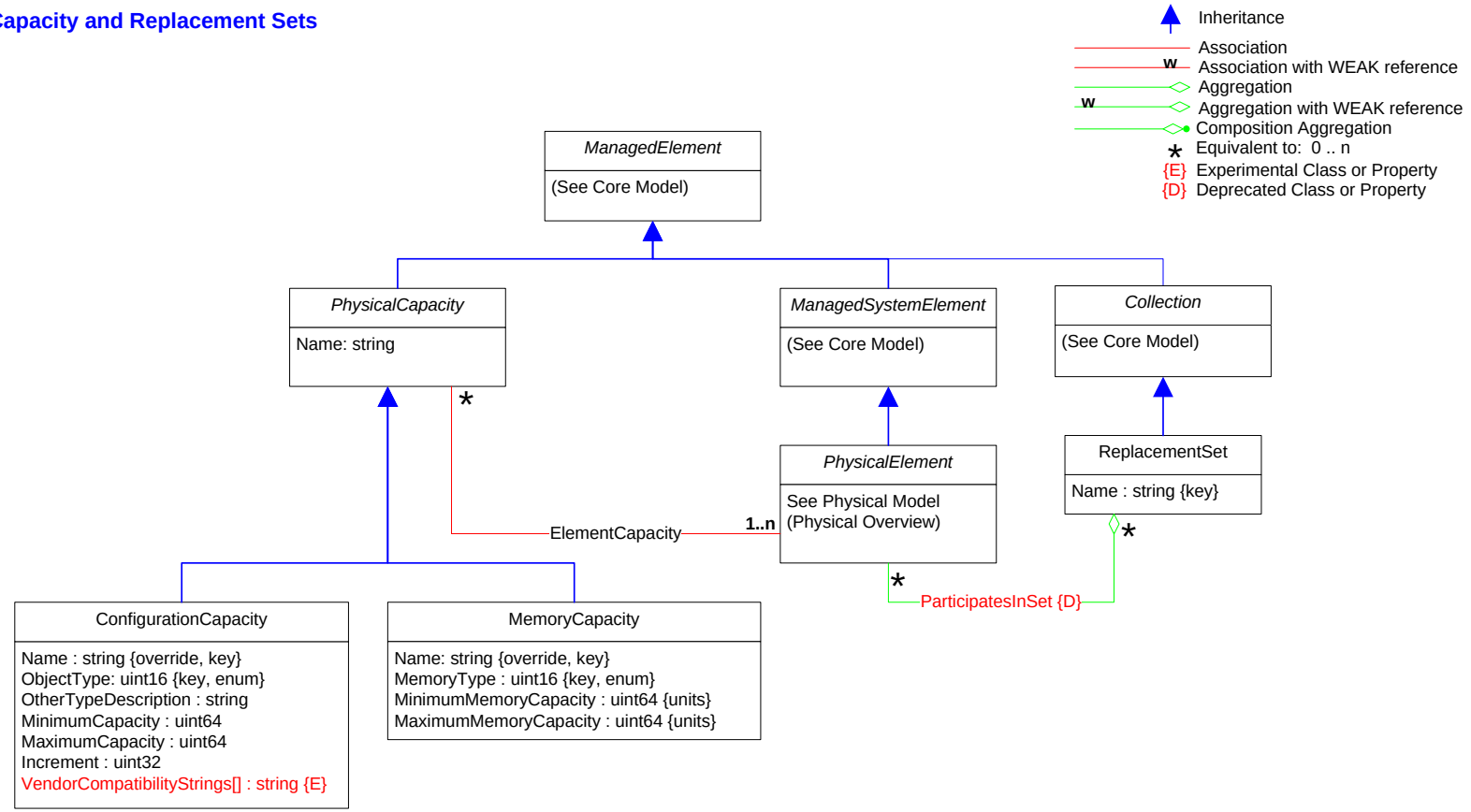



Page 2 - Packages, Storage Packages, Connectors & Links
ConnectorOnPackage
PhysicalElement
See Physical Model (Physical Overview)
Elements Linked
Container
Inheritance
Association
Association with WEAK reference
Aggregation
Aggregation with WEAK reference
Composition Aggregation
Equivalent to: 0 .. n
{E} Experimental Class or Property
{D} Deprecated Class or Property
PhysicalConnector
ConnectorPinout : string
ConnectorType : uint16 [ ] {D, enum}
OtherTypeDescription : string {D}
ConnectorGender : uint16 {enum}
ConnectorElectricalCharacteristics : uint16[] {enum}
OtherElectricalCharacteristics : string[]
NumPhysicalPins : uint32
ConnectorLayout : uint16 {enum}
ConnectorDescription : string
Connected To
PhysicalLink
MaxLength : real64
Length : real64
Wired : boolean
MediaType : uint16 {enum}
LinkHasConnector
PhysicalPackage
RemovalConditions : uint16 {enum}
Removable : boolean {D}
Replaceable : boolean {D}
HotSwappable : boolean {D}
Height : real32 {units}
Depth : real32 {units}
Width : real32 {units}
Weight : real32 {units}
PackageType : uint16 {E, enum}
OtherPackageType : string {E}
VendorCompatibilityStrings[] : string {E}
IsCompatible([IN] ElementToCheck: ref PhysicalElement) : uint32 {D}
PackageIn Connector
PackageInSlot
CardInSlot
Slot
SupportsHotPlug : boolean
HeightAllowed : real32
LengthAllowed : real32
MaxDataWidth : uint16 {units=bits}
VccMixedVoltageSupport :uint16[] {enum}
VppMixedVoltageSupport :uint16[] {enum}
ThermalRating : uint32
SpecialPurpose : boolean
PurposeDescription : string
Number : uint16
Powered : boolean
OpenSwitch : boolean
MaxLinkWidth: uint16 {E, enum}
VendorCompatibilityStrings[] : string {E}
SlotInSlot
Adjacent Slots
Card
HostingBoard : boolean
SlotLayout : string
RequiresDaughterBoard : boolean
SpecialRequirements : boolean
RequirementsDescription : string
OperatingVoltages : sint16[ ] {uints}
ConnectorPower: (
[IN] Connector : ref PhysicalConnector,
[IN] PoweredOn : boolean) : uint32
CardOnCard
PhysicalFrame
CableManagementStrategy : string
ServicePhilosophy : uint16 [ ] {enum}
ServiceDescriptions : string [ ]
LockPresent : boolean
AudibleAlarm : boolean
VisibleAlarm : boolean
SecurityBreach : uint16 {enum}
BreachDescription : string
IsLocked: boolean
PackageLocation
LocationCoordinates : string
StorageMediaLocation
LocationType : uint16 {enum}
MediaTypesSupported : uint16 [ ] {enum}
MediaSizesSupported : real32[ ] {units}
MediaCapacity : uint32
TypeDescriptions : string [ ]
Magazine
PhysicalLabels : string[ ]
LabelStates : uint16[ ] {enum}
LabelFormats uint16[ ] {enum}
SystemBusCard
BusType : uint16 {enum}
BusWidth : uint16 {enum, units}
Chassis
NumberOfPowerCords : uint16
CurrentRequiredOrProduced : sint16 {units}
HeatGeneration : uint16 {units}
ChassisTypes : uint16 [ ] {D, enum}
TypeDescriptions : string [ ] {D}
ChassisPackageType : uint16 {enum}
ChassisTypeDescription : string
MultipleSystemSupport : uint16 {enum}
RackMountable : uint16 {enum}
InputCurrentType : uint16 {enum} {E}
OtherInputCurrentType : string {E}
InputVoltage : sint32 {E}
Docked
Rack
TypeOfRack : uint16 {enum}
CountryDesignation : string
ChassisInRack
PackageInChassis

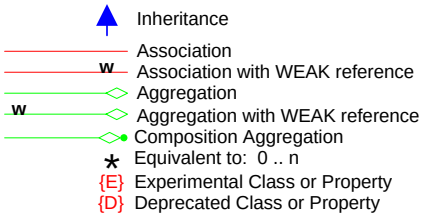
Page 3 - Physical Component

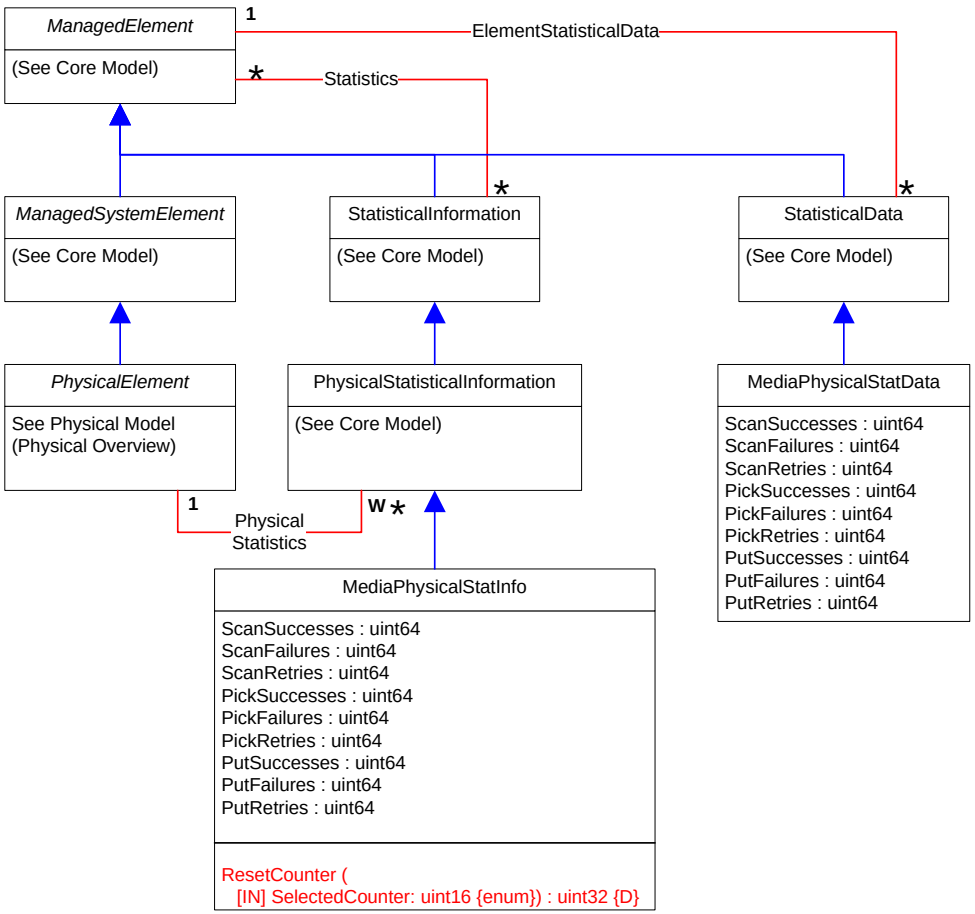


Page 4 - Physical Capacity and Replacement Sets

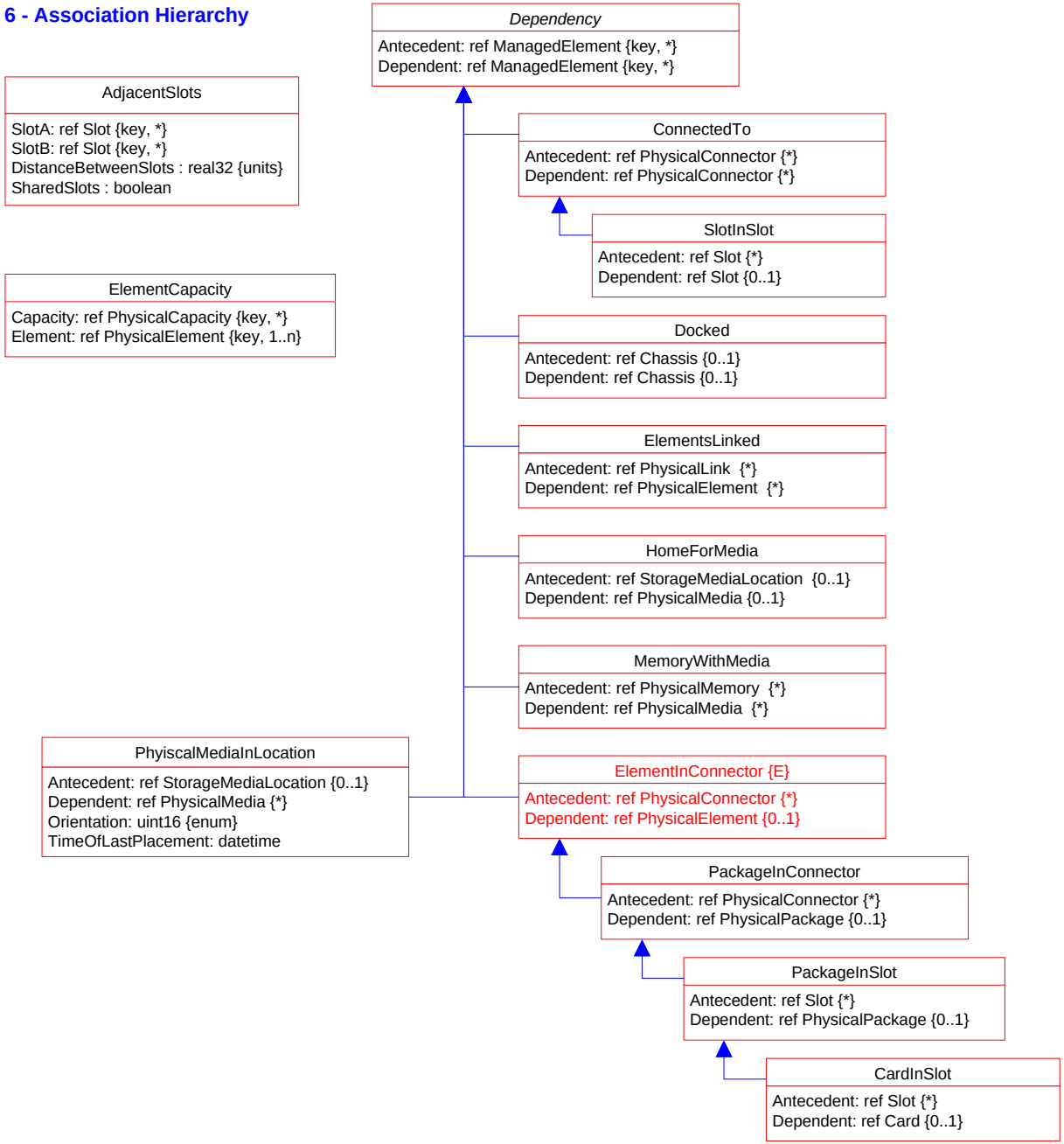
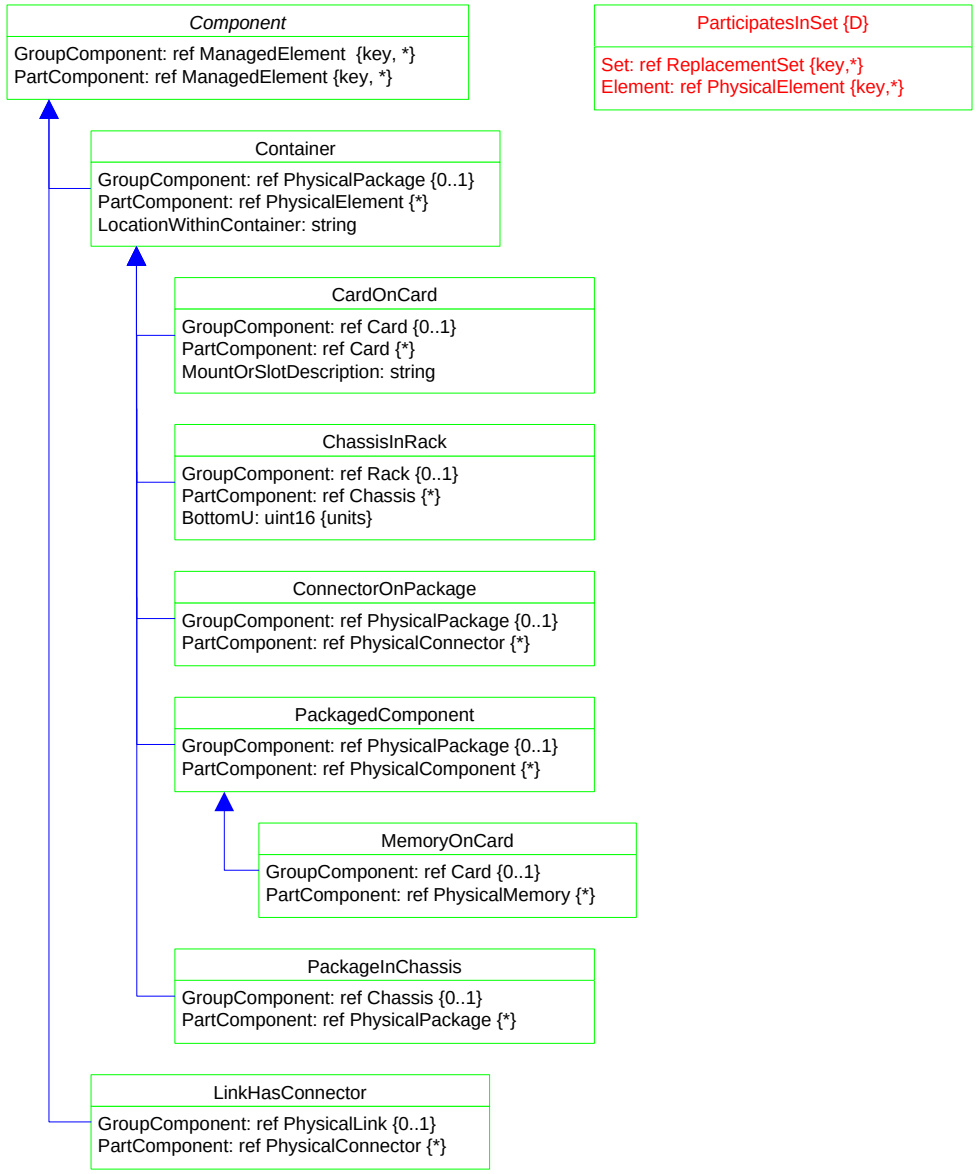


Page 5 - Storage Statistics





Page 6 - Association Hierarchy



Page 7 - Aggregation Hierarchy