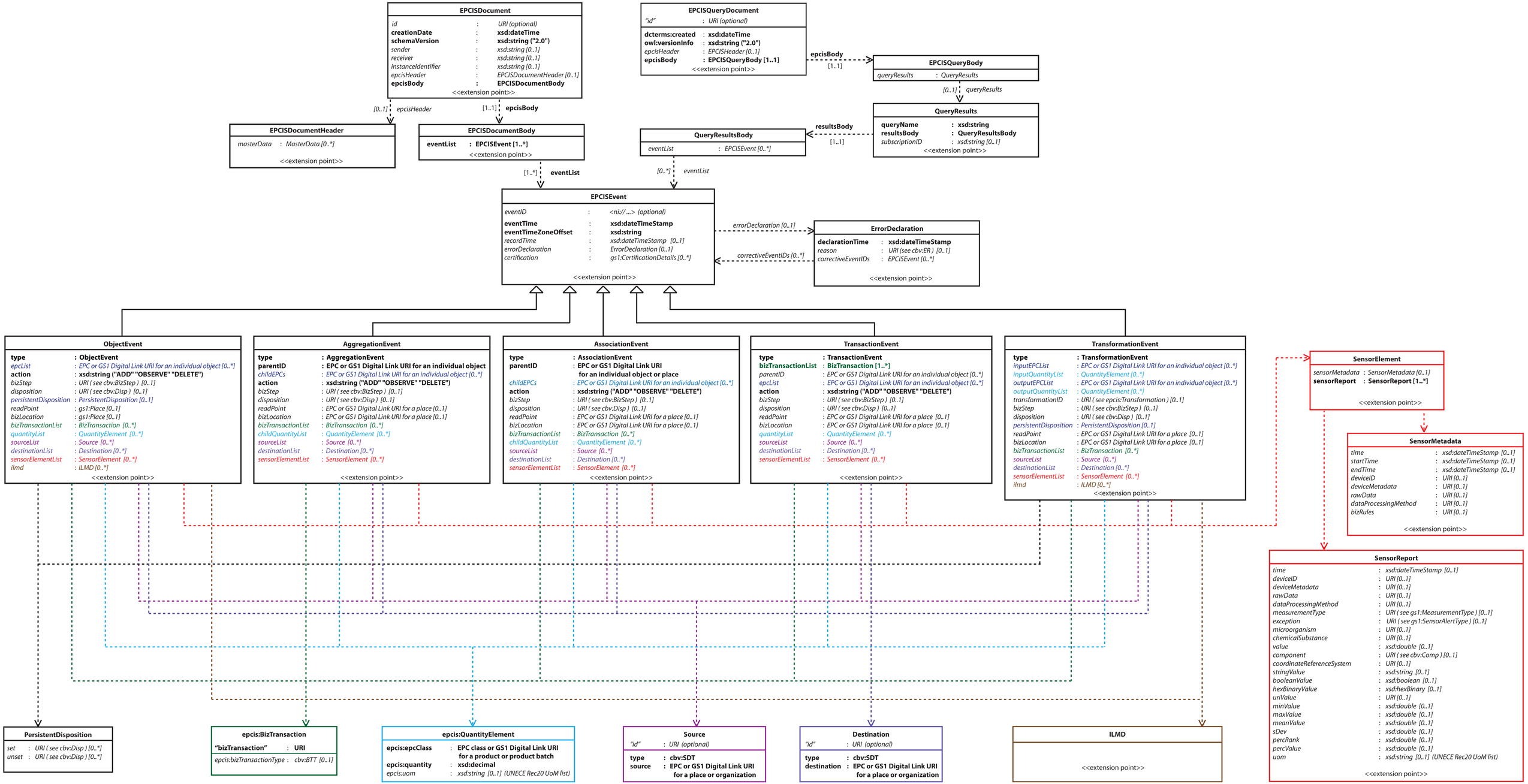
EPCISDocument
id : URI (optional)
creationDate : xsd:dateTime
schemaVersion : xsd:string ("2.0")
sender : xsd:string [0..1]
receiver : xsd:string [0..1]
instanceIdentifier : xsd:string [0..1]
epcisHeader : EPCISDocumentHeader [0..1]
epcisBody : EPCISDocumentBody
<<extension point>>
EPCISQueryDocument
"id" : URI (optional)
dcterms:created : xsd:dateTime
owl:versionInfo : xsd:string ("2.0")
epcisHeader : EPCISHeader [0..1]
epcisBody : EPCISQueryBody [1..1]
<<extension point>>
epcisBody
[1..1]
EPCISQueryBody
queryResults : QueryResults
[0..1] queryResults
QueryResults
queryName : xsd:string
resultsBody : QueryResultsBody
subscriptionID : xsd:string [0..1]
<<extension point>>
resultsBody
[1..1]
QueryResultsBody
eventList : EPCISEvent [0..*]
[0..1] epcisHeader
[1..1] epcisBody
EPCISDocumentHeader
masterData : MasterData [0..*]
<<extension point>>
EPCISDocumentBody
eventList : EPCISEvent [1..*]
<<extension point>>
[1..*] eventList
[0..*] eventList
EPCISEvent
eventID : <ni://...> (optional)
eventTime : xsd:dateTimeStamp
eventTimeZoneOffset : xsd:string
recordTime : xsd:dateTimeStamp [0..1]
errorDeclaration : ErrorDeclaration [0..1]
certification : gs1:CertificationDetails [0..*]
<<extension point>>
errorDeclaration [0..1]
correctiveEventIDs [0..*]
ErrorDeclaration
declarationTime : xsd:dateTimeStamp
reason : URI (see cbv:ER) [0..1]
correctiveEventIDs : EPCISEvent [0..*]
<<extension point>>
ObjectEvent
type : ObjectEvent
epcList : EPC or GS1 Digital Link URI for an individual object [0..*]
action : xsd:string ("ADD" "OBSERVE" "DELETE")
bizStep : URI (see cbv:BizStep) [0..1]
disposition : URI (see cbv:Disp) [0..1]
persistentDisposition : PersistentDisposition [0..1]
readPoint : gs1:Place [0..1]
bizLocation : gs1:Place [0..1]
bizTransactionList : BizTransaction [0..*]
quantityList : QuantityElement [0..*]
sourceList : Source [0..*]
destinationList : Destination [0..*]
sensorElementList : SensorElement [0..*]
ilmd : ILMD [0..*]
<<extension point>>
AggregationEvent
type : AggregationEvent
parentID : EPC or GS1 Digital Link URI for an individual object
childEPCs : EPC or GS1 Digital Link URI for an individual object [0..*]
action : xsd:string ("ADD" "OBSERVE" "DELETE")
bizStep : URI (see cbv:BizStep) [0..1]
disposition : URI (see cbv:Disp) [0..1]
readPoint : EPC or GS1 Digital Link URI for a place [0..1]
bizLocation : EPC or GS1 Digital Link URI for a place [0..1]
bizTransactionList : BizTransaction [0..*]
childQuantityList : QuantityElement [0..*]
sourceList : Source [0..*]
destinationList : Destination [0..*]
sensorElementList : SensorElement [0..*]
<<extension point>>
AssociationEvent
type : AssociationEvent
parentID : EPC or GS1 Digital Link URI for an individual object or place
childEPCs : EPC or GS1 Digital Link URI for an individual object [0..*]
action : xsd:string ("ADD" "OBSERVE" "DELETE")
bizStep : URI (see cbv:BizStep) [0..1]
disposition : URI (see cbv:Disp) [0..1]
readPoint : EPC or GS1 Digital Link URI for a place [0..1]
bizLocation : EPC or GS1 Digital Link URI for a place [0..1]
bizTransactionList : BizTransaction [0..*]
childQuantityList : QuantityElement [0..*]
sourceList : Source [0..*]
destinationList : Destination [0..*]
sensorElementList : SensorElement [0..*]
<<extension point>>
TransactionEvent
type : TransactionEvent
bizTransactionList : BizTransaction [1..*]
parentID : EPC or GS1 Digital Link URI for an individual object [0..*]
epcList : EPC or GS1 Digital Link URI for an individual object [0..*]
action : xsd:string ("ADD" "OBSERVE" "DELETE")
bizStep : URI (see cbv:BizStep) [0..1]
disposition : URI (see cbv:Disp) [0..1]
readPoint : EPC or GS1 Digital Link URI for a place [0..1]
bizLocation : EPC or GS1 Digital Link URI for a place [0..1]
quantityList : QuantityElement [0..*]
sourceList : Source [0..*]
destinationList : Destination [0..*]
sensorElementList : SensorElement [0..*]
<<extension point>>
TransformationEvent
type : TransformationEvent
inputEPCList : EPC or GS1 Digital Link URI for an individual object [0..*]
inputQuantityList : QuantityElement [0..*]
outputEPCList : EPC or GS1 Digital Link URI for an individual object [0..*]
outputQuantityList : QuantityElement [0..*]
transformationID : URI (see epcis:Transformation) [0..1]
bizStep : URI (see cbv:BizStep) [0..1]
disposition : URI (see cbv:Disp) [0..1]
persistentDisposition : PersistentDisposition [0..1]
readPoint : EPC or GS1 Digital Link URI for a place [0..1]
bizLocation : EPC or GS1 Digital Link URI for a place [0..1]
bizTransactionList : BizTransaction [0..*]
sourceList : Source [0..*]
destinationList : Destination [0..*]
sensorElementList : SensorElement [0..*]
ilmd : ILMD [0..*]
<<extension point>>
SensorElement
sensorMetadata : SensorMetadata [0..1]
sensorReport : SensorReport [1..*]
<<extension point>>
SensorMetadata
time : xsd:dateTimeStamp [0..1]
startTime : xsd:dateTimeStamp [0..1]
endTime : xsd:dateTimeStamp [0..1]
deviceID : URI [0..1]
deviceMetadata : URI [0..1]
rawData : URI [0..1]
dataProcessingMethod : URI [0..1]
bizRules : URI [0..1]
<<extension point>>
SensorReport
time : xsd:dateTimeStamp [0..1]
deviceID : URI [0..1]
deviceMetadata : URI [0..1]
rawData : URI [0..1]
dataProcessingMethod : URI [0..1]
measurementType : URI (see gs1:MeasurementType) [0..1]
exception : URI (see gs1:SensorAlertType) [0..1]
microorganism : URI [0..1]
chemicalSubstance : URI [0..1]
value : xsd:double [0..1]
component : URI (see cbv:Comp) [0..1]
coordinateReferenceSystem : URI [0..1]
stringValue : xsd:string [0..1]
booleanValue : xsd:boolean [0..1]
hexBinaryValue : xsd:hexBinary [0..1]
uriValue : URI [0..1]
minValue : xsd:double [0..1]
maxValue : xsd:double [0..1]
meanValue : xsd:double [0..1]
sDev : xsd:double [0..1]
percRank : xsd:double [0..1]
percValue : xsd:double [0..1]
uom : xsd:string [0..1] (UNECE Rec20 UoM list)
<<extension point>>
PersistentDisposition
set : URI (see cbv:Disp) [0..*]
unset : URI (see cbv:Disp) [0..*]
epcis:BizTransaction
"bizTransaction" : URI
epcis:bizTransactionType : cbv:BTT [0..1]
epcis:QuantityElement
epcis:epcClass : EPC class or GS1 Digital Link URI for a product or product batch
epcis:quantity : xsd:decimal
epcis:uom : xsd:string [0..1] (UNECE Rec20 UoM list)
Source
"id" : URI (optional)
type : cbv:SDT
source : EPC or GS1 Digital Link URI for a place or organization
Destination
"id" : URI (optional)
type : cbv:SDT
destination : EPC or GS1 Digital Link URI for a place or organization
ILMD
<<extension point>>