ONE Record Data Model
Version as of 10.09.2020

TransportMeans
TransportMeansURI
- *transportCompany: Company*
- vehicleType: text
- vehicleRegistration: text
- vehicleSize: text
- *typicalFuelConsumption: Value*
- *transportSegment: TransportSegment*
- *typicalCO2Coefficient: Value*

TransportSegment
TransportSegmentURI
- *movementType: text (Actual / Planned)*
- *segmentLevel: text (Contractual, flight leg, ...)*
- modeCode: text
- *departureLocation: Location*
- arrivalDate: dateTime
- *arrivalLocation: Location*
- departureDate: dateTime
- transportIdentifier: text
- seal: text
- *distanceMeasured: Value*
- *distanceCalculated: Value*
- *transportMeans: TransportMeans*
- *transportMeansOperator (n): Person*
- fuelType: text
- *fuelAmountMeasured: Value*
- *fuelAmountCalculated: Value*
- *cO2Emissions: Value*
- *cO2CalculationMethod: CO2CalcMethod*
- *transportedUlds (n): ULD*
- *transportedPieces (n): Piece*
- *externalReference (n): ExternalReference*
- *event (n): Event*

ULD
ULDURI
- uldTypeCode: text
- serialNumber: text
- ownerCode: text
- ataDesignator: text
- loadingIndicator: text
- *tareWeight: Value*
- loadingPosition: text
- contour: text
- damageFlag: text
- demurrageCode: text
- ServiceabilityCode: text
- odlnCode: text
- nbNets: integer
- nbDoors: integer
- nbFittings: integer
- nbStraps: integer
- uldRemarks: text
- upid (n): Piece
- *transportSegment (n): TransportSegment*
- *externalReference (n): ExternalReference*
- *event (n): Event*

Insurance
InsuranceURI
- *coveringParty: Company*
- *insuranceAmount: Value*
- *insuredShipment: Shipment*

Waybill
WaybillURI
- **waybillNumber *: text**
- waybillPrefix: text
- *containedWaybill (n): Waybill*
- WaybillType: text (House or Master)
- *booking: Booking*

Booking
BookingURI (incl. BookingRefNumber?)
- bookingStatus: text (offered, confirmed, ...)
- *consignee : Company*
- *shipper : Company*
- ***carrier *: Company***
- *notifyParty (n): Company*
- ***freightForwarder *: Company***
- *transportMovement: TransportSegment*
- *carrierProductInfo (n): CarrierProduct*
- *routing: Routing*
- *price: Price*
- units (n): string
- requestMatchInd: boolean
- shipmentSecurityStatus: text (SCR / NSC)
- *requestRef: Request*
- latestAcceptanceTime: dateTime
- totalTransitTime: dateTime
- timeOfAvailability: dateTime
- *event (n): Event*

Routing
RoutingURI
- latestArrivalDateTime: dateTime
- maxConnections: numerical
- aircraftPossibilityCode: alphanumerical
- rfsInd: boolean
- onlineInd: boolean

Shipment
ShipmentURI
- *containedPieces (n): Piece*
- goodsDescription: text
- totalPieceCount: numerical
- totalSLAC: numerical
- ***totalGrossWeight *: Value***
- **volumetricWeight * (n): VolumetricWeight**
- *dimensions (n): Dimensions*
- *insurance: Insurance*
- *externalReference (n): ExternalReference*
- *bookingRequest: Request*
- *event (n): Event*

CarrierProduct
CarrierProductURI
- productCode: alphanumerical
- productDescription: alphanumerical

Price
PriceURI
- grandTotal: double
- *ratings: Ratings*
- validTo: dateTime

Ratings
RatingsURI
- priceSpecification: e.g. Street/Group/Spot etc
- priceSpecificationRef: string
- chargeType: string e.g. Freight / Surcharges
- chargeCode: enum e.g. MY / SC
- chargeDescription: enum e.g. Airfreight / Fuel
- *subTotal: Value*
- *ranges (n): Ranges*

CO2CalcMethod
CO2MethodURI
- methodName: text
- methodVersion: alphanumerical

Item-dg
ItemURI
- supplementaryInfoPrefix: string
- supplementaryInfoSuffix: string
- *netWeightMeasure: Value*
- reportableQuantity: string
- *emergencyContact: Person*

Item
ItemURI
- ***product *: Product***
- quantity: VALUE
- *otherIdentifier (n): OtherIdentifier*
- *unitPrice: Value*
- quantityForUnitPrice: numerical
- *weight: Value*
- *dimensions: Dimensions*
- batchNumber: text
- lotNumber: text
- productExpiryDate: dateTime
- productionDate: dateTime
- *productionCountry: Country*
- *targetCountry: Country*
- *isInPiece: Piece*
- *event (n): Event*

Piece
PieceURI
- *containedPiece (n): Piece*
- *containedItems (n): Item*
- uPID: alphanumerical
- loadType: text (Bulk or ULD)
- goodsDescription *: text
- *containedItems (n): Item*
- product: Product
- slac: numeric
- *weight: Value*
- ***volumetricWeight: VolumetricWeight***
- ***grossWeight: Value***
- *dimensions: Dimensions*
- coload: boolean
- stackable: boolean
- turnable: boolean
- *productionCountry (n): Country*
- *shipper: Company*
- *otherParty (n): Company*
- *specialHandling (n): SpecialHandling*
- *serviceRequest (n): ServiceRequest*
- *externalReference (n): ExternalReference*
- *otherIdentifier (n): OtherIdentifier*
- *packagingType: PackagingType*
- *securityDeclaration: SecurityDeclaration*
- *customsInfo: CustomsInfo*
- *transportSegment (n): TransportSegment*
- *uldReference: ULD*
- *dgDeclaration (n): DgDeclaration*
- *event (n): Event*

Piece-dg
PieceURI
- allPackedInOneIndicator: boolean
- qValueNumeric: double
- overpackIndicator: boolean
- overpackTypeCode: string
- overpackCriticalitySafetyIndexNumeric: string
- overpackT1: string

DgDeclaration
DgDeclarationURI
- shipperDeclarationText: string
- handlingInformation: string
- exclusiveUseIndicator: boolean
- aircraftLimitationInformation: string
- complianceDeclarationText: string

SpecialHandling
SpecialHandlingURI
- code: text

ServiceRequest
ServiceRequestURI
- code: text
- description: text
- statementType (n): text
- statementText: text
- *requestedBy: Person*

Request
requestURI
- *requestType: text (Quote, Booking)*
- *transportMovement: TransportSegment*
- *parties (n): OtherParty*
- unitsPreference: string
- *routingPreferences: Routing*
- *ratingsPreferences: Ratings*
- shipmentSecurityStatus: text (SCR / NSC)
- *shipmentDetails: Shipment*
- allotment: text

Ranges
RangesURI
- rateClassCode: string e.g. Q
- ratingType: enum uldRatingType
- unitBasis: string e.g. Chargeable Weight
- scr: SpecificCommodity/ Commodity
- minimumQuantity: int
- maximumQuantity: int
- amount: double

Characteristics
CharacteristicsURI
- characteristicsType: text
- value: text

Product
ProductURI
- *manufacturer: Company*
- productDescription: text
- productIdentifier: text
- *otherIdentifier (n): OtherIdentifier*
- *characteristics (n): Characteristics*
- unNumber: text
- commodityName: text
- **hsCode: string**
- **hsType: string**
- **hsCommodityName: string**
- **hsCommodityDescription: string**
- commodityItemNumber: string

Product-dg
ProductURI
- unNumber: string
- technicalName: string
- properShippingName: string
- explosiveCompatibilityGroupCode: string
- packagingDangerLevelCode: string
- packingInstructionNumber: string
- hazardClassificationId: string
- additionalHazardClassificationId: string
- specialProvisionId: string
- authorizationInformation: string
- *dgRadioactiveMaterial (n): DgProductRadio*

PackagingType (incomplete)
PackagingTypeURI
- typeCode: string
- packagingTypeDescription: string

CustomsInfo
CustomsInfoURI
- customsInfoCountryCode: text
- customsInfoNote: text
- customsInfoContentCode: text
- customsInformation: text
- customsInfoSubjectCode: text

SecurityDeclaration
SecurityDeclarationURI
- ***regulatedEntityIssuer: RegulatedEntity***
- **securityStatus: string**
- *receivedFrom: RegulatedEntity*
- screeningMethod (n): text
- groundsForExemption (n): text
- otherScreeningMethods (n): text
- ***issuedBy: Person***
- ***issuedOn: dateTime***
- *otherRegulatedEntity (n): RegulatedEntity*
- additionalSecurityInformation: string
- ***piece: Piece***

RegulatedEntity
REURI
- *entity: Branch*
- regulatedEntityCategory: string (RA, KC, AO)
- regulatedEntityIdentifier: string
- *expiryDate: dateTime*

DgProductRadioactive
DgProductRadioactiveURI
- dgRaTypeCode: string
- transportIndexNumeric: integer
- fissileExceptionIndicator: boolean
- fissileExceptionReference: string
- physicalChemicalForm: string
- *isotopes (n): DgProductIsotope*

DgRadioactiveIsotope
DgRaIsotopeURI
- isotopeId: string
- isotopeName: string
- activityLevelMeasure: string
- specialFormIndicator: boolean
- criticalitySafetyIndexNumeric: double
- lowDispersibleIndicator: boolean

Any Logistic Object

ConnectedDevice (in progress)
connectedDeviceURI
- *sensors (n): Sensor*
- ...

Sensor (in progress)
sensorURI
- sensorDetails
- measurementXXX (n): VALUE or Other ?

VolumetricWeight
Vweight_URI
- *conversionFactor: Value*
- *chargeableWeight: Value*

Dimensions
DimsURI
- *width: Value*
- *length: Value*
- *height: Value*
- *volume: Value*

Geolocation
GeolocURI
- *latitude: Value*
- *longitude: Value*
- *elevation: Value*

Person
PersonURI
- contactType: text
- salutation: text
- firstName: text
- middleName: text
- lastName: text
- jobTitle: text
- department: text
- employeeID: text
- *contact (n): Contact*

Contact
ContactURI
- phoneNumber: text
- emailAddress: text
- *contactOther: ContactOther*

ContactOther
ContactOtherURI
- otherType: text
- detail: text

Address
AddressURI
- street (n): text
- pOBox: text
- postalCode: text
- cityCode: text
- cityName: text
- regionCode: text
- regionName: text
- addressCodeType: text
- addressCode (n): text
- *country: Country*

Country
CountryURI
- countryCode: text
- countryName: text

Location
LocURI
- locationType: text
- code: text
- name: text
- *geolocation: Geolocation*
- *address: Address*

OtherParty
OtherPartyURI
- roleName: text
- *companyDetails: Company*

Company
CompanyURI
- iATACargoAgentCode: numerical
- airlineCode: text
- airlinePrefix: numerical
- *branch: Branch*
- name: text

Branch
BranchURI
- branchName: text
- iATACargoAgentLocationIdentifier: numerical
- *otherIdentifier (n): OtherIdentifier*
- *location: Location*
- *contactPerson (n): Person*
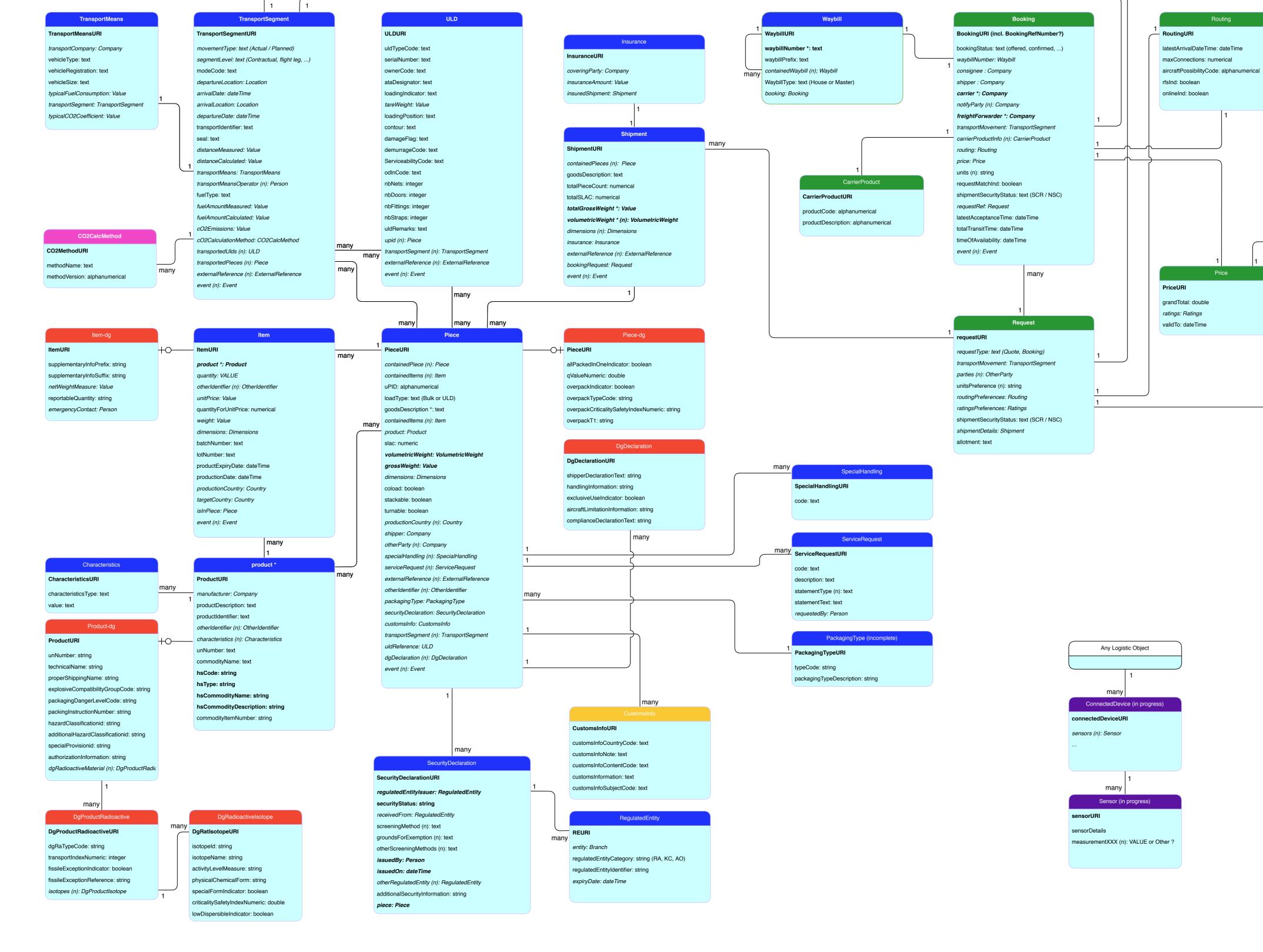
ExternalReference
External_refURI
- documentType: text
- documentName: text
- documentOriginator: Company
- documentID: text
- documentVersion: text

Value
ValueURI
- value: text
- unit: text

OtherIdentifier
OtherIDURI
- otherIdentifierType: text
- identifier: text

Event
EventURI
- **eventTypeIndicator *: string**
- **dateTime *: dateTime**
- eventCode: string
- eventName: string
- *performedBy: Company*
- *location: Location*
- associatedObject: string

uldEvent
EventURI
- loadingPosition: string