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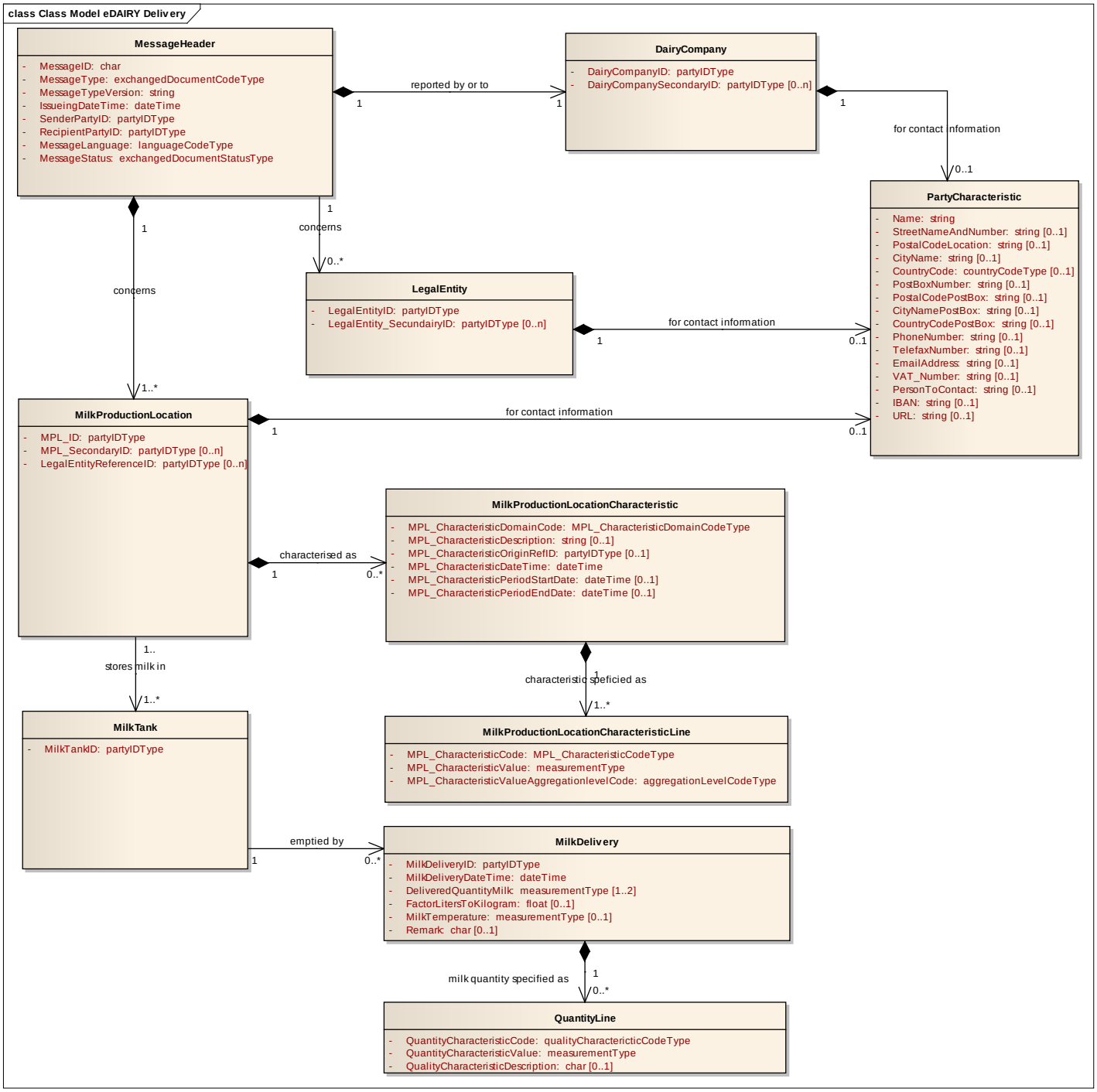
EDI-Dairy nw, Class Model Documentation

Model Detail

This document provides a complete overview of all element details of the eDAIRY class model. The classes are described in alphabetical order.

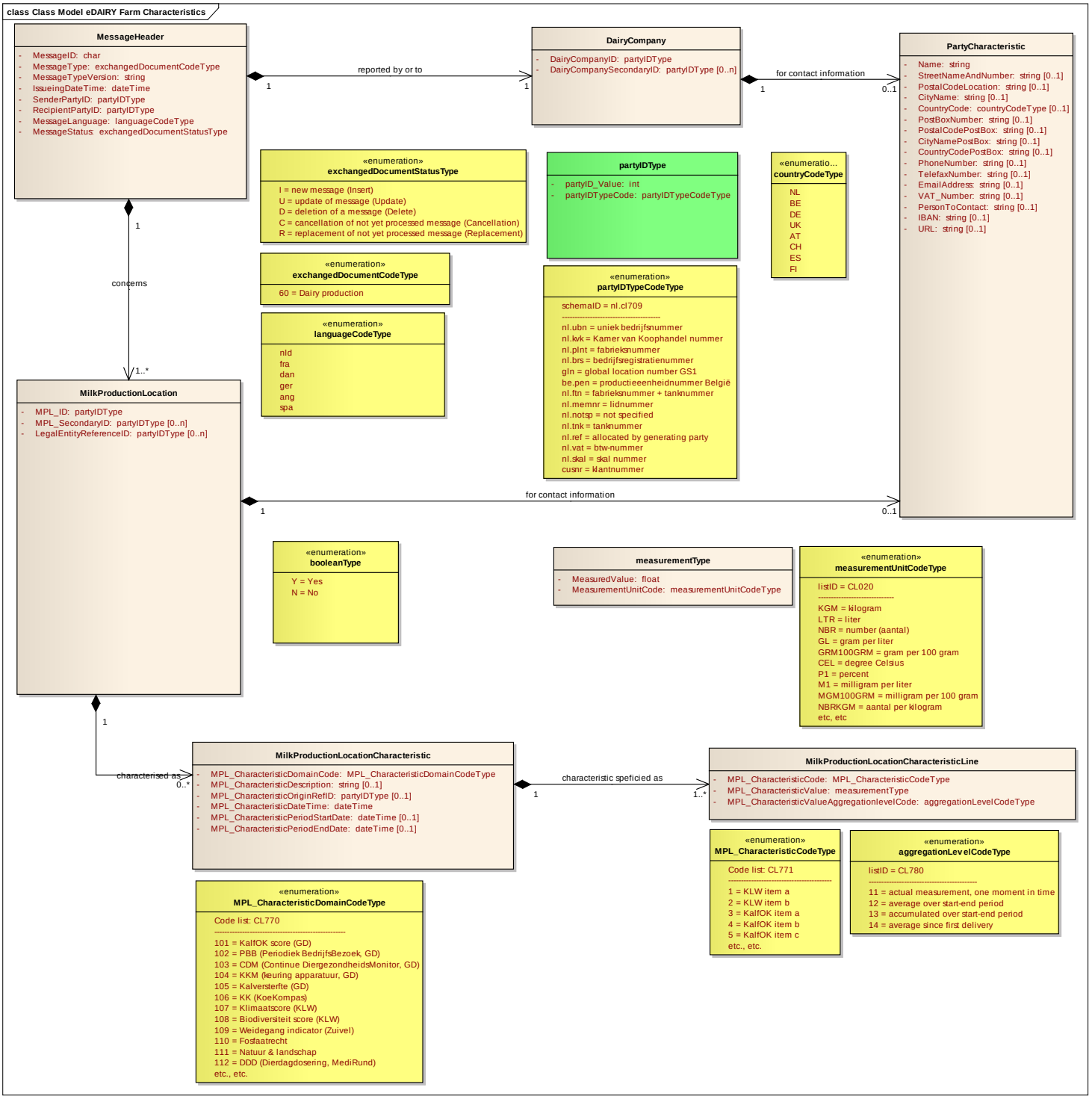
Class Model eDAIRY Delivery - *(Logical diagram)*
Created By: Conny *on* 29-8-2018
Last Modified: 4-1-2021



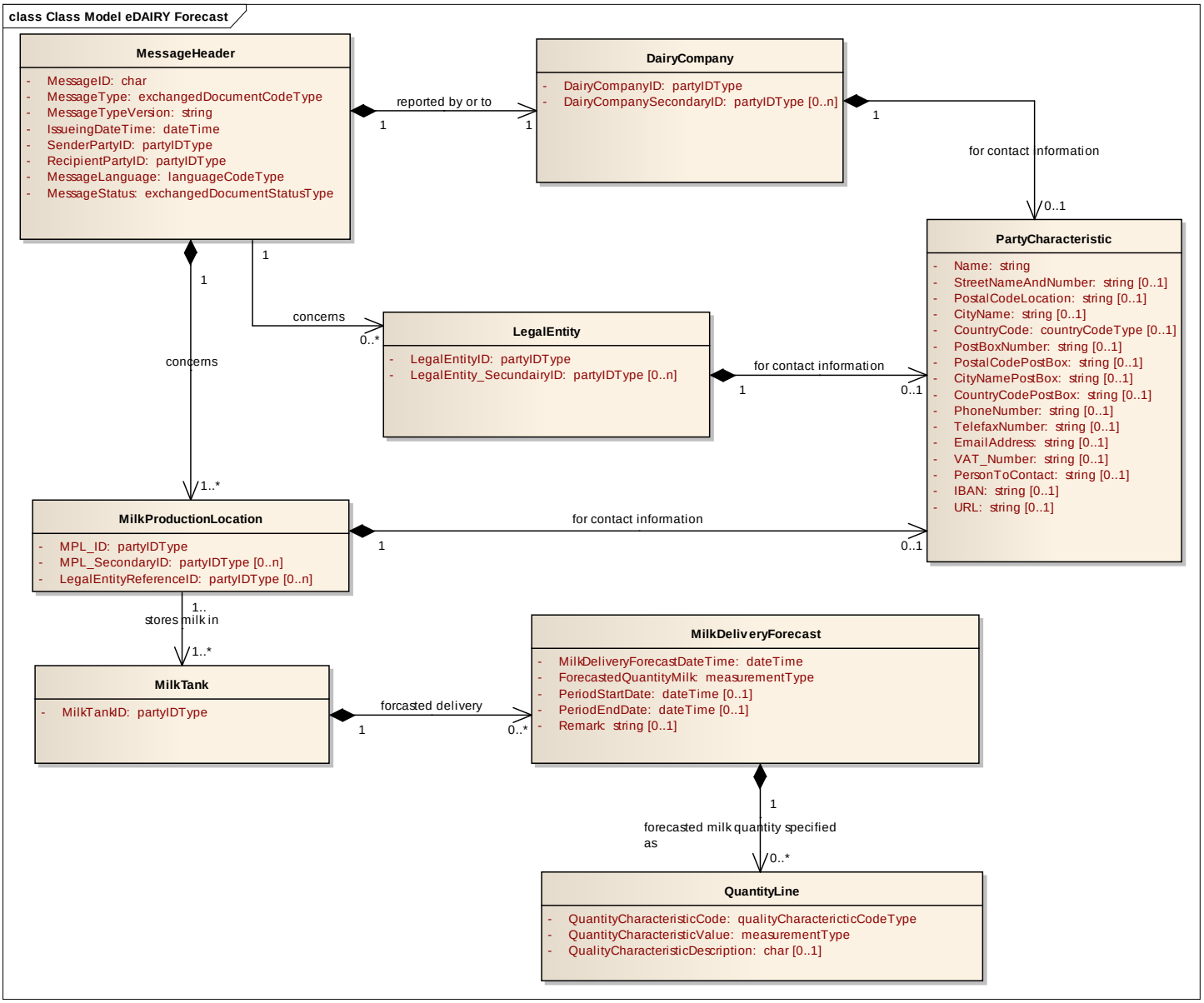
Class Model eDAIRY Farm Characteristics - *(Logical diagram)*

Created By: Conny *on* 3-11-2020

Last Modified: 4-1-2021



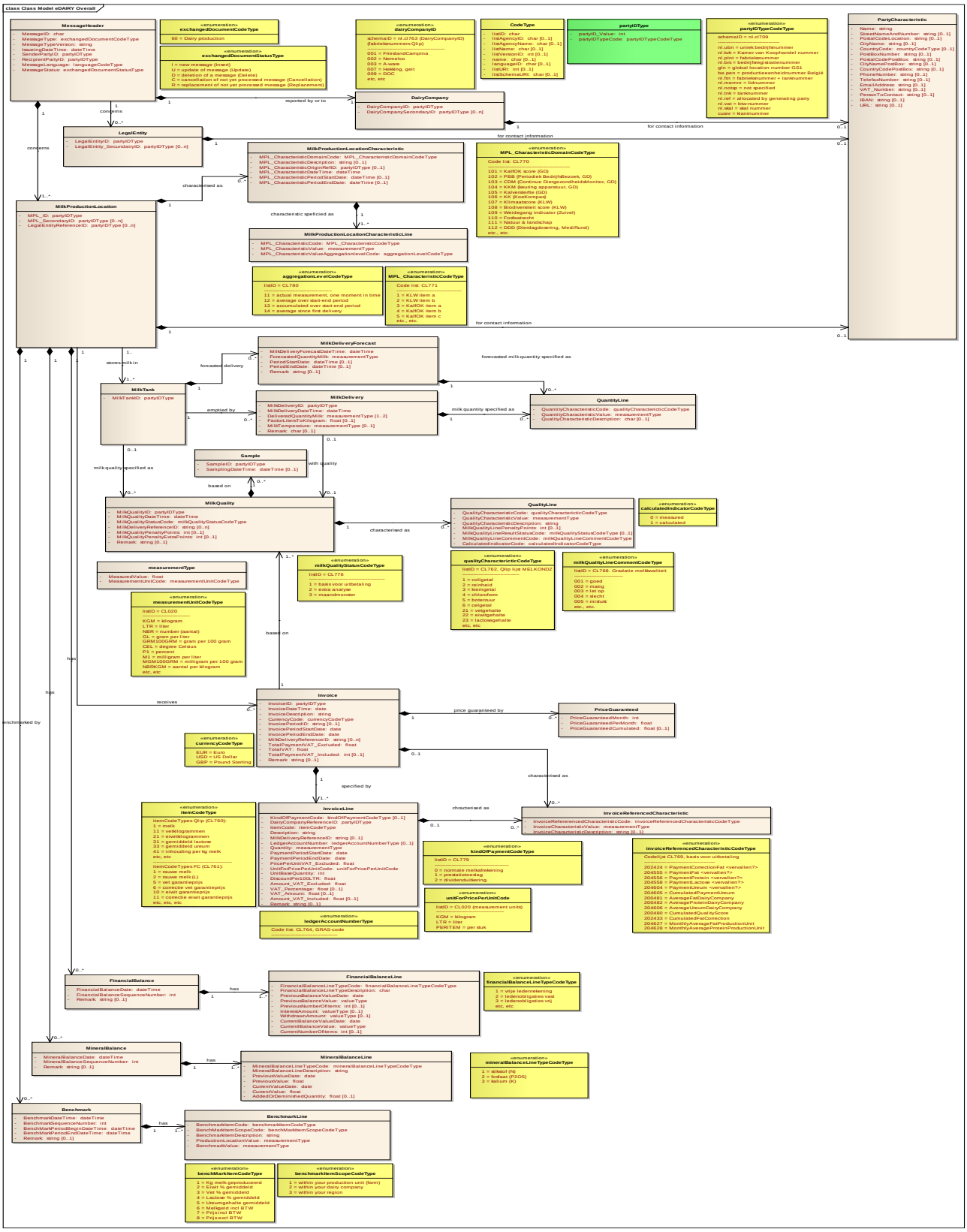
Class Model eDAIRY Forecast - *(Logical diagram)*
Created By: Conny *on* 5-9-2018
Last Modified: 13-8-2019



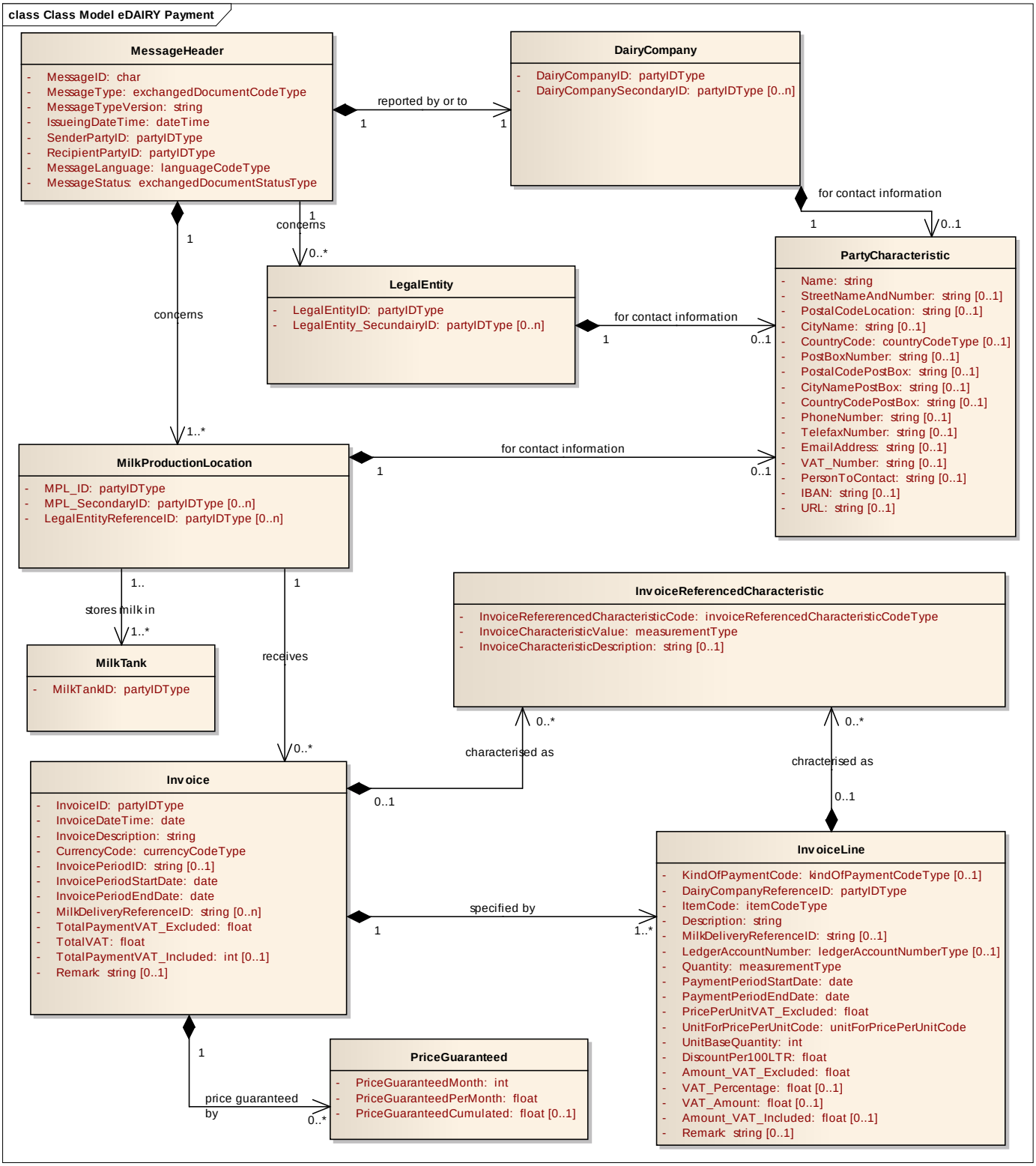
Class Model eDAIRY Overall - *(Logical diagram)*

Created By: Conny *on* 18-7-2018

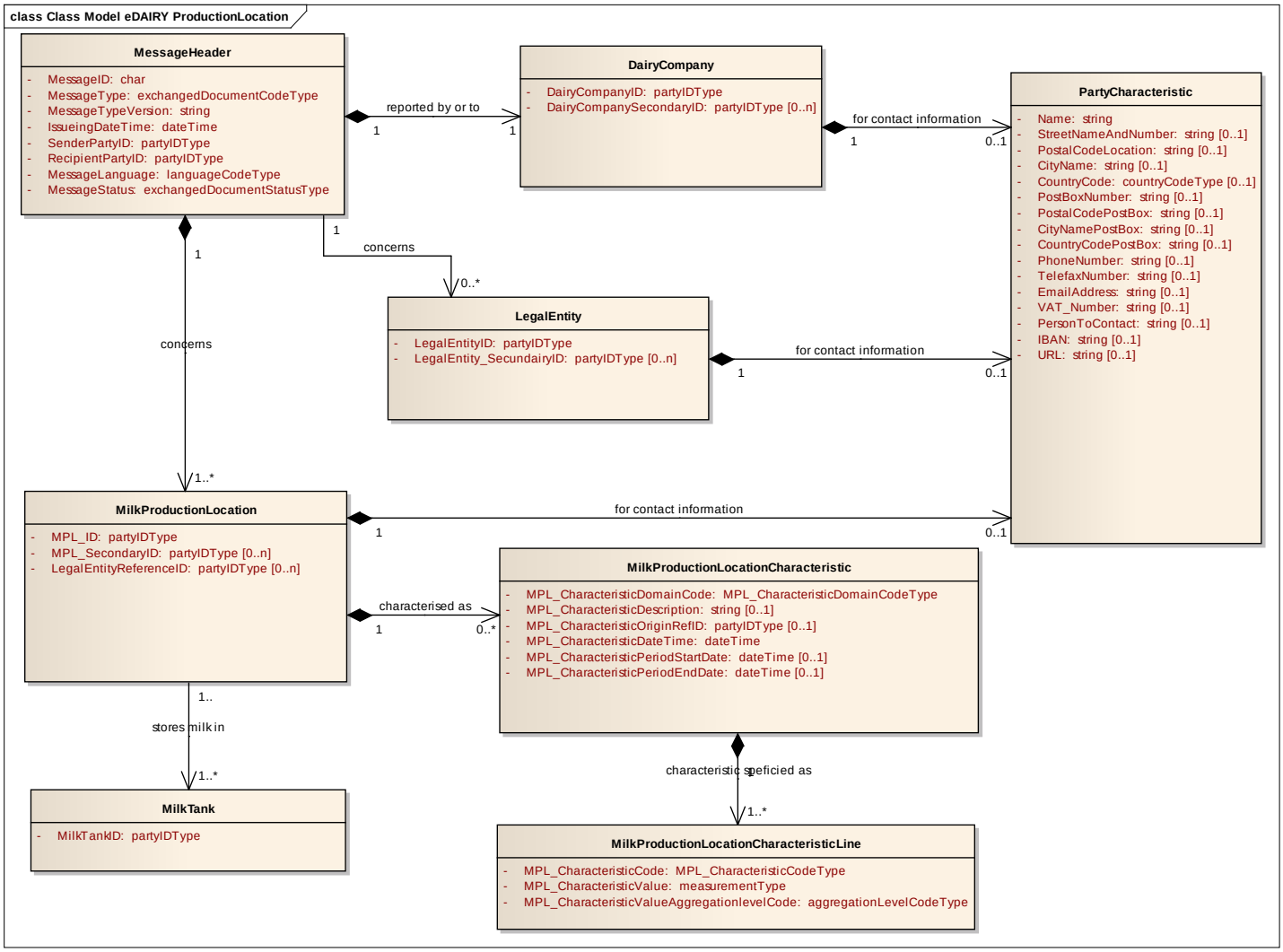
Last Modified: 4-1-2021



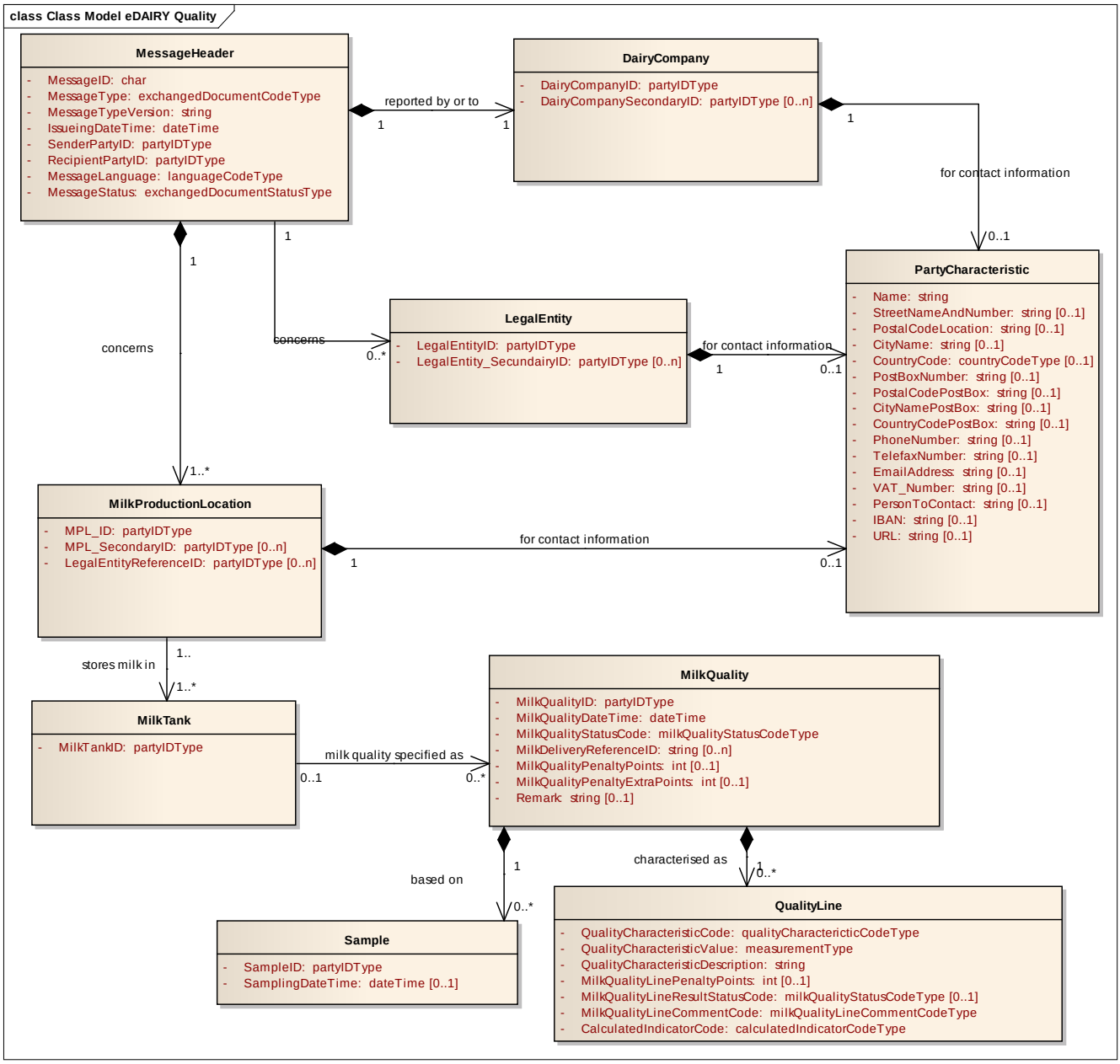
Class Model eDAIRY Payment - *(Logical diagram)*
Created By: Conny *on* 3-9-2018
Last Modified: 4-1-2021



Class Model eDAIRY ProductionLocation - *(Logical diagram)*
Created By: Conny *on* 3-9-2018
Last Modified: 13-8-2019



Class Model eDAIRY Quality - *(Logical diagram)*
Created By: Conny *on* 3-9-2018
Last Modified: 4-1-2021



Benchmark

Type: **Class**
Detail: *Created on 2-8-2018. Last modified on 10-10-2018.*

Report that compares the current performance of this production location with its own performance in the past or with other production locations in the same period.

Connections

Connector	Source	Target	Notes
Association benchmarked by Source -> Destination	Public MilkProductionLocation	Public Benchmark	
Association has Source -> Destination	Public Benchmark	Public BenchmarkLine	

Attributes

Attribute	Notes	Constraints and tags
BenchmarkDateTime	Timestamp of this benchmark report.	*Default:*
BenchmarkSequenceNumber	Sequence number of this benchmark report.	*Default:*
BenchMarkPeriodBeginDateTime	Begin date of this benchmark period of time.	*Default:*
BenchMarkPeriodEndDateTime	End date of this benchmark period of time.	*Default:*
Remark	Remark concerning this benchmark report.	*Default:*

BenchmarkLine

Type: **Class**
Detail: *Created on 2-8-2018. Last modified on 10-10-2018.*

Within the benchmark report, the actual result of one benchmark topic.

Connections

Connector	Source	Target	Notes
Association has Source -> Destination	Public Benchmark	Public BenchmarkLine	

Attributes

Attribute	Notes	Constraints and tags
BenchmarkItemCode	Unique identifier of the item of this benchmark (e.g. fat %, protein %, etc.).	*Default:*
BenchMarkItemScopeCode	Indicates whether this benchmark value is compared with an average value of the own farm or an average of the region, etc.	*Default:*
BenchmarkItemDescription	Name of the item that is benchmarked (e.g: average fat percentage compared to similar farms in the region).	*Default:*
ProductionLocationValue	The current value of this production location that is to be compared with the benchmark value.	*Default:*
BenchmarkValue	The benchmark value, the current value of this production location that is to be compared to.	*Default:*

DairyCompany

Type: **Class**
Detail: *Created on 14-9-2018. Last modified on 27-9-2018.*

The dairy company that processes the milk.

Connections

Connector	Source	Target	Notes
Association reported by or to Source -> Destination	Public MessageHeader	Public DairyCompany	
Association for contact information Source -> Destination	Public DairyCompany	Public PartyCharacteristic	

Attributes

Attribute	Notes	Constraints and tags
DairyCompanyID	Within the scope of this data exchange, unique identifier of this dairy company. In the Netherlands: Fabrieksnummer.	*Default:*
DairyCompanySecondaryID	The option to add an extra, secondary, identifier of this dairy company, e.g. a GLN.	*Default:*

FinancialBalance

Type: **Class**
Detail: *Created on 30-7-2018. Last modified on 10-10-2018.*

Shows changes in the financial value of property and shares.

Connections

Connector	Source	Target	Notes
Association has Source -> Destination	Public MilkProductionLocation	Public FinancialBalance	
Association has Source -> Destination	Public FinancialBalance	Public FinancialBalanceLine	

Attributes

Attribute	Notes	Constraints and tags
FinancialBalanceDate	Timestamp of this financial balance record.	*Default:*
FinancialBalanceSequenceNumber	Sequence number of this financial balance record.	*Default:*
Remark	Remark concerning this financial balance record.	*Default:*

FinancialBalanceLine

Type: **Class**
Detail: *Created on 31-7-2018. Last modified on 10-10-2018.*

Specific line indicating the value change of specific property or shares.

Connections

Connector	Source	Target	Notes
Association has Source -> Destination	Public FinancialBalance	Public FinancialBalanceLine	

Attributes

Attribute	Notes	Constraints and tags
FinancialBalanceLineTypeCode	Indicates the type of value object this financial balance line refers to. Dutch examples: vrije ledenrekening, ledenobligaties vast, ledenobligaties vrij.	*Default:*
FinancialBalanceLineTypeDescription	Short description of this financial balance line.	*Default:*
PreviousBalanceValueDate	Timestamp of the previous reported value of this value object.	*Default:*
PreviousBalanceValue	Previous reported value of this value object.	*Default:*
PreviousNumberOfItems	Previous reported number of this value object. Dutch example: aantal ledenobligaties.	*Default:*

Attribute	Notes	Constraints and tags
InterestAmount	Calculated interest for this value object for the period between the previous report and the current report.	*Default:*
WithdrawnAmount	The amount of money that was withdrawn from this bank account by the owner.	*Default:*
CurrentBalanceValueDate	Timestamp of the current reported value of this value object.	*Default:*
CurrentlBalanceValue	Current reported value of this value object.	*Default:*
CurrentNumberOfItems	Current number of this value object. Dutch example: aantal ledenobligaties.	*Default:*

Invoice

Type: **Class**
Detail: *Created on 18-7-2018. Last modified on 8-10-2018.*

The payment by the dairy company to the farmer, concerning one or more milk deliveries.

Connections

Connector	Source	Target	Notes
Association receives Source -> Destination	Public MilkProductionLocation	Public Invoice	
Association specified by Source -> Destination	Public Invoice	Public InvoiceLine	
Association characterised as Source -> Destination	Public Invoice	Public InvoiceReferencedCharacteristic	
Association price guaranteed by Source -> Destination	Public Invoice	Public PriceGuaranteed	
Association based on Source -> Destination	Public Invoice	Public MilkQuality	

Attributes

Attribute	Notes	Constraints and tags
InvoiceID	Preferably the same as the identifier of the self billing invoice. Dutch reference: ADED 201136.	*Default:*
InvoiceDateTime	De date-time stamp of the invoice. Dutch reference: ADED 201134.	*Default:*

Attribute	Notes	Constraints and tags
InvoiceDescription	Short name of the invoice.	*Default:*
CurrencyCode	Global standard code referring to the currency that is used in this invoice. Dutch reference: ADED 402617.	*Default:*
InvoicePeriodID	To refer to a specific period of time this invoice relates to. For instance the number of the month. Dutch reference: Periodenummer, ADED: 204272.	*Default:*
InvoicePeriodStartDate	Start date-time of the period of time this invoice refers to. Dutch reference: ADED 201746.	*Default:*
InvoicePeriodEndDate	End date-time of the preiod of time this invoice refers to. Dutch reference: ADED: 201747.	*Default:*
MilkDeliveryReferenceID	In case there are no MilkDelivery lines linked to this Invoice, reference to one or more of the MilkDeliveries this invoice is based on.	*Default:*
TotalPaymentVAT_Excluded	Total value of this invoice, value added tax excluded.	*Default:*
TotalVAT	.Total value added tax for this invoice amounts to different -To differentiate the VAT .ages, see the InvoiceLinespercent-VAT	*:Default*
TotalPaymentVAT_Included	Total value of this invoice, value added tax included.	*Default:*
Remark	Short text concerning this invoice.	*Default:*

InvoiceLine

Type: **Class**
Detail: *Created on 18-7-2018. Last modified on 8-10-2018.*

A single line of the invoice, referring to the cost or the payment of one specific type of product, service or item.

Connections

Connector	Source	Target	Notes
Association specified by Source -> Destination	Public Invoice	Public InvoiceLine	
Association chracterised as Source -> Destination	Public InvoiceLine	Public InvoiceReferencedCharacteristic	

Attributes

Attribute	Notes	Constraints and tags

Attribute	Notes	Constraints and tags
KindOfPaymentCode	Indicates whether it concerns a regular payment or some kind of special payment. Dutch reference: ADED 204640 Afrekeningsvolgnummer: 0 = in geval van een normale melkafrekening 1 = in geval van een prestatietoeslag 2 = in het geval van dividenduitkering.	*Default:*
DairyCompanyReferenceID	Unique identifier of the dairy company. Dutch reference: Fabrieksnummer.	*Default:*
ItemCode	Unique identifier of the item or topic the invoice line relates to. Dutch explanation: Deze artikelcodes zijn uniek binnen een zuivelonderneming. Voor een landelijke unieke aanduiding van een artikel moet de artikelcode gebruikt worden in combinatie met "200088 nummer zuivelonderneming" (ook wel fabrieksnummer genoemd). ADED 204521.	*Default:*
Description	Short description for this invoice line. Dutch reference: ADED 204520.	*Default:*
MilkDeliveryReferenceID	In case there are no MilkDelivery lines linked to this Invoice, reference to one or more of the MilkDeliveries this invoice is based on.	*Default:*
LedgerAccountNumber	Refers to a standard code for a specific cost or benefit (used in bookkeeping and financial reports). Dutch reference: GRAS-code.	*Default:*
Quantity	The quantity of the item this invoice line relates to. Dutch reference: ADED 202435 .	*Default:*
PaymentPeriodStartDate	The beginning op the period of time this invoice line relates to. Dutch reference: ADED 201746.	*Default:*
PaymentPeriodEndDate	The end of the period of time this invoice line relates to. Dutch reference: ADED 201747.	*Default:*
PricePerUnitVAT_Excluded	The price of one base unit of the item this invoice line relates to. VAT excluded. The size of a base unit is indicated by UnitBaseQuantity. E.g. if the base quantity for instance is 1 KG than BaseUnitQauntity is 1. If the base quantity is 100 KG than BaseUnitQuantity is 100. Dutch reference: ADED 204387.	*Default:*
UnitForPricePerUnitCode	The unit for expressing a single base unit quantity of the item this invoice line relates to. For dairy the most common units are LTR and KGM.	*Default:*
UnitBaseQuantity	Indicates the number of of units for the given PricePerUnitVAT_Excluded. For instance, if UnitBaseQuantiy is 100 and UnitForProcePerUnit is KG. This means that if PricePerUnitVAT_Excluded is 65.30 that the price of 100 KG of the product is 65.30 EUR.	*Default:*

Attribute	Notes	Constraints and tags
DiscountPer100LTR	Discount per 100 litres of milk. Dutch reference: ADED 204630.	*Default:*
Amount_VAT_Excluded	Total amount of money (VAT excluded) for this invoice line. Dutch reference: ADED 204389.	*Default:*
VAT_Percentage	Percentage of the value added tax. Dutch reference: ADED 204557.	*Default:*
VAT_Amount	Amount of value added tax, calculated for this specific invoice line. Dutch reference: ADED 204388.	*Default:*
Amount_VAT_Included	Cumulation of the total amount paid per item type, within this period of payment. Dutch reference: ADED 204391 Voortschrijdend totaal. Het voortschrijdend totaal per post van de melkafrekening, over meerdere melkafrekeningsperiodes per boekjaar.	*Default:*
Remark	Remark concerning this invoice line.	*Default:*

InvoiceReferencedCharacteristic

Type: **Class**
Detail: *Created on 18-7-2018. Last modified on 10-10-2018.*

Characteristic to be mentioned as the basics for determining this specific invoice line.
In Dutch: De basis voor de uitbetaling.

Connections

Connector	Source	Target	Notes
Association chracterised as Source -> Destination	Public InvoiceLine	Public InvoiceReferencedCharacteristic	
Association characterised as Source -> Destination	Public Invoice	Public InvoiceReferencedCharacteristic	

Attributes

Attribute	Notes	Constraints and tags
InvoiceRefererencedCharacteristicCode	Identifier of the characteristic that is referred to as being a fundamental for determining this payment line.	*Default:*
InvoiceCharacteristicValue	The value of this specific characteristic.	*Default:*

Attribute	Notes	Constraints and tags
InvoiceCharacteristicDescription	Short description of this specific characteristic.	*Default:*

LegalEntity

Type: **Class**
Detail: *Created on 20-9-2018. Last modified on 27-9-2018.*

The legal entity of the farm or a company (the holding).

Connections

Connector	Source	Target	Notes
Association concerns Source -> Destination	Public MessageHeader	Public LegalEntity	
Association for contact information Source -> Destination	Public LegalEntity	Public PartyCharacteristic	

Attributes

Attribute	Notes	Constraints and tags
LegalEntityID	In the Netherlands the legal entity is identified with a chamber of commerce number (KvK) or a BRS.	*Default:*
LegalEntity_SecundairyID	Option the add an extra, secondary, identifier of this legal entity. In the Netherlands, besides the KvK-number a BRS might be added.	*Default:*

MPL_CharacteristicCodeType

Type: **Enumeration**
Detail: *Created on 16-8-2018. Last modified on 20-9-2018.*

Attributes

Attribute	Notes	Constraints and tags
Code list: CL771		*Default:*
----------		*Default:*
1 = KLW item a		*Default:*

Attribute	Notes	Constraints and tags
2 = KLW item b		*Default:*
3 = KalfOK item a		*Default:*
4 = KalfOK item b		*Default:*
5 = KalfOK item c		*Default:*
etc., etc.		*Default:*

MPL_CharacteristicDomainCodeType

Type: **Enumeration**
Detail: *Created on 30-7-2018. Last modified on 20-9-2018.*

Attributes

Attribute	Notes	Constraints and tags
Code list: CL770		*Default:*
----------		*Default:*
101 = KalfOK score (GD)		*Default:*
102 = PBB (Periodiek BedrijfsBezoek, GD)		*Default:*
103 = CDM (Continue DiergezondheidsMonitor, GD)		*Default:*
104 = KKM (keuring apparatuur, GD)		*Default:*
105 = Kalversterfte (GD)	Kalversterfte kwartaal en rollend jaargemiddelde %, aantal dode kalveren met/zonder oormerk etc. Berekend o.b.v. Rendac/I&R.	*Default:*
106 = KK (KoeKompas)		*Default:*

Attribute	Notes	Constraints and tags
107 = Klimaatscore (KLW)		*Default:*
108 = Biodiversiteit score (KLW)		*Default:*
109 = Weidegang indicator (Zuivel)		*Default:*
110 = Fosfaatrecht		*Default:*
111 = Natuur & landschap	Eigen verklaring of percentage.	*Default:*
112 = DDD (Dierdagdosering, MediRund)		*Default:*
etc., etc.		*Default:*

MessageHeader

Type: **Class**
Detail: *Created on 18-7-2018. Last modified on 25-7-2018.*

Connections

Connector	Source	Target	Notes
Association reported by or to Source -> Destination	Public MessageHeader	Public DairyCompany	
Association concerns Source -> Destination	Public MessageHeader	Public LegalEntity	
Association concerns Source -> Destination	Public MessageHeader	Public MilkProductionLocation	

Attributes

Attribute	Notes	Constraints and tags
MessageID	Unique identifier of this message. Can be a GUID; a globally unique identifier.	*Default:*
MessageType	Indicator of the type of content that is exchanged. E.g.: 60 = dairy production. ADED: 800001	*Default:*

Attribute	Notes	Constraints and tags
MessageTypeVersion	Indicator of the version of the specs for the interface to exchage the data. E.g. v2018p01. ADED: 800002	*Default:*
IssueingDateTime	The timestamp of the moment that the message is created.	*Default:*
SenderPartyID	Identifier of the party that send the message. E.g. Qlip for the Partico group or JoinData for FC. ADED: 205003	*Default:*
RecipientPartyID	Identifier of the party that the message is send to. This is the party that requested the data. E.g. an accountant or a dairy farmer.	*Default:*
MessageLanguage	Indicator of the language that is used for the text fields. For this a subset of the ISO standard 'ISO2AlphaLanguageCode' is used. CL775 LanguageCodeType	*Default:*
MessageStatus	Indicates whether it concerns a new message, an update, a deletion, etc.	*Default:*

MilkDelivery

Type: **Class**
Detail: *Created on 18-7-2018. Last modified on 29-10-2019.*

Milk delivery event, meaning the emptying of the milk tank of this milk production location. The milk is taken from the milk tank and delivered to the dairy company to be processed.
In the Netherlands: a visit of a RMO.

Connections

Connector	Source	Target	Notes
Association emptied by Source -> Destination	Public MilkTank	Public MilkDelivery	
Association with quality Source -> Destination	Public MilkDelivery	Public MilkQuality	
Association milk quantity specified as Source -> Destination	Public MilkDelivery	Public QuantityLine	

Attributes

Attribute	Notes	Constraints and tags
MilkDeliveryID	Within the domain of the dairy company, unique identifier for this milk delivery.	*Default:*
MilkDeliveryDateTime	Timestamp for this milk delivery. In the Netherlands: ADED 201731.	*Default:*

Attribute	Notes	Constraints and tags
DeliveredQuantityMilk	The within this event, delivered quantity of milk. Can be expressed in litres and/or in kilograms.	*Default:*
FactorLitersToKilogram	Factor to convert a quantity of milk expressed in litres into a quantity of milk expressed in kilograms.	*Default:*
MilkTemperature	The temperature of the delivered milk.	*Default:*
Remark	A remark concerning this delivery of milk.	*Default:*

MilkDeliveryForecast

Type: **Class**
Detail: *Created on 29-8-2018. Last modified on 10-10-2018.*

Forecasted quantity of the milk to be delivered over a specific period of time.
Send by the milk production location to the dairy company.

Connections

Connector	Source	Target	Notes
Association forcasted delivery Source -> Destination	Public MilkTank	Public MilkDeliveryForecast	
Association forecasted milk quantity specified as Source -> Destination	Public MilkDeliveryForecast	Public QuantityLine	

Attributes

Attribute	Notes	Constraints and tags
MilkDeliveryForecastDateTime	The timestamp of the milk delivery forecast.	*Default:*
ForecastedQuantityMilk	The forecasted quantity of milk to be delivered.	*Default:*
PeriodStartDate	The start date of the period in which the forecasted quantity of milk is to be produced.	*Default:*
PeriodEndDate	The end date of the period in which the forecasted quantity of milk is to be produced.	*Default:*
Remark	Remark concerning this forecast of milk production.	*Default:*

MilkProductionLocation

Type: **Class**
Detail: *Created on 23-7-2018. Last modified on 27-9-2018.*

This is the dairy farm.

Connections

Connector	Source	Target	Notes
Association stores milk in Source -> Destination	Public MilkProductionLocation	Public MilkTank	
Association receives Source -> Destination	Public MilkProductionLocation	Public Invoice	
Association has Source -> Destination	Public MilkProductionLocation	Public FinancialBalance	
Association has Source -> Destination	Public MilkProductionLocation	Public MineralBalance	
Association for contact information Source -> Destination	Public MilkProductionLocation	Public PartyCharacteristic	
Association characterised as Source -> Destination	Public MilkProductionLocation	Public MilkProductionLocationCharacteristic	
Association benchmarked by Source -> Destination	Public MilkProductionLocation	Public Benchmark	
Association concerns Source -> Destination	Public MessageHeader	Public MilkProductionLocation	

Attributes

Attribute	Notes	Constraints and tags
MPL_ID	For the Netherlands, the primary key of a production location is the UBN. For Belgium it is the Productieëenheidnummer.	*Default:*
MPL_SecondaryID	The option to add an extra, secondary, identifier of this production location.	*Default:*
LegalEntityReferenceID	To indicate that this MilkProductionUnit is part of a specific legal entity. In The Netherlands the identifier of a legal entity is the KvK-number or the BRS.	*Default:*

MilkProductionLocationCharacteristic

Type: **Class**
Detail: *Created on 2-8-2018. Last modified on 27-9-2018.*

A set of general characteristics about this dairy farm.

Connections

Connector	Source	Target	Notes
Association characteristic speficied as Source -> Destination	Public MilkProductionLocationCharacteristic	Public MilkProductionLocationCharacteristicLine	
Association characterised as Source -> Destination	Public MilkProductionLocation	Public MilkProductionLocationCharacteristic	

Attributes

Attribute	Notes	Constraints and tags
MPL_CharacteristicDomainCode	Specifies the domain of the characteristic. For the Netherlands for instance: KLW (KringLoopWijzer), fosfaatrecht, carbon footprint, etc.	*Default:*
MPL_CharacteristicDescription	Short name of the domain of this characteristic. In the Netherlands for instance: KringLoopWijzer.	*Default:*
MPL_CharacteristicOriginRefID	Reference to the origin of this production unit characteristic, in case this differs from the dairy company that processed the milk of this production location. E.g. for The Netherlands: KLW, MediRund, GD, etc.	*Default:*
MPL_CharacteristicDateTime	Time stamp of the moment this characteristic was determined.	*Default:*
MPL_CharacteristicPeriodStartDate	Begin date-time of the period the characteristic applies to.	*Default:*
MPL_CharacteristicPeriodEndDate	End date-time of the period the characteristic applies to.	*Default:*

MilkProductionLocationCharacteristicLine

Type: **Class**
Detail: *Created on 16-8-2018. Last modified on 10-10-2018.*

Within the domain of the MilkProductionCharacteristic a value of one specific characteristic.

Connections

Connector	Source	Target	Notes
Association characteristic speficied as Source -> Destination	Public MilkProductionLocationCharacteristic	Public MilkProductionLocationCharacteristicLine	

Attributes

Attribute	Notes	Constraints and tags
MPL_CharacteristicCode	Code that refers to a specific characteristic of this milk production location.	*Default:*
MPL_CharacteristicValue	The value of a specific characteristic of this milk production location.	*Default:*
MPL_CharacteristicValueAggregationlevelCode	Indicates whether this is one measurement, a cumulated value or an average.	*Default:*

MilkQuality

Type: **Class**
Detail: *Created on 20-7-2018. Last modified on 8-10-2018.*

Event, determing the quality of the milk. Resulting in one of more values (QualityLines), one for each quality characteristic (fat, protein, etc.) of the milk.

Connections

Connector	Source	Target	Notes
Association with quality Source -> Destination	Public MilkDelivery	Public MilkQuality	
Association characterised as Source -> Destination	Public MilkQuality	Public QualityLine	
Association milk quality specified as Source -> Destination	Public MilkTank	Public MilkQuality	
Association based on Source -> Destination	Public MilkQuality	Public Sample	
Association based on Source -> Destination	Public Invoice	Public MilkQuality	

Attributes

Attribute	Notes	Constraints and tags
MilkQualityID	Within the domain of the dairy company, unique identifier for this determination of the quality of the milk. Dutch reference: ADED 200460.	*Default:*
MilkQualityDateTime	The timestamp of this determination of the quality of the milk.	*Default:*
MilkQualityStatusCode	Indicates if the results of this quality determination are used or not for determining the payment to the dairy farmer.	*Default:*

Attribute	Notes	Constraints and tags
MilkDeliveryReferenceID	In case this quality report refers to one or more milk deliveries.	*Default:*
MilkQualityPenaltyPoints	Specific for this milk delivery, the total score on quality points, based on the determined overall quality of this milk delivery. This total quality score might affect the price for the milk that is payed to the farmer.	*Default:*
MilkQualityPenaltyExtraPoints	Extra points, given for very poor quality milk.	*Default:*
Remark	Remark concerning this quality determination.	*Default:*

MilkTank

Type: **Class**
Detail: *Created on 25-7-2018. Last modified on 10-10-2018.*

The milk tank on a production location.

Connections

Connector	Source	Target	Notes
Association stores milk in Source -> Destination	Public MilkProductionLocation	Public MilkTank	
Association emptied by Source -> Destination	Public MilkTank	Public MilkDelivery	
Association milk quality specified as Source -> Destination	Public MilkTank	Public MilkQuality	
Association forcasted delivery Source -> Destination	Public MilkTank	Public MilkDeliveryForecast	

Attributes

Attribute	Notes	Constraints and tags
MilkTankID	Unique number of the milk tank of this production location. One production location might have one or more milk tanks.	*Default:*

MineralBalance

Type: **Class**
Detail: *Created on 30-7-2018. Last modified on 10-10-2018.*

Shows changes in the amounts of minerals that are transported to end from this production location.

Connections

Connector	Source	Target	Notes
Association has Source -> Destination	Public MilkProductionLocation	Public MineralBalance	
Association has Source -> Destination	Public MineralBalance	Public MineralBalanceLine	

Attributes

Attribute	Notes	Constraints and tags
MineralBalanceDate	Timestamp of creating this mineral balance report.	*Default:*
MineralBalanceSequenceNumber	Sequence number of this mineral balance report.	*Default:*
Remark	Remark concerning this mineral balance report.	*Default:*

MineralBalanceLine

Type: **Class**
Detail: *Created on 1-8-2018. Last modified on 10-10-2018.*

Report line of the amount of a specific mineral that was transported to or from this production location.

Connections

Connector	Source	Target	Notes
Association has Source -> Destination	Public MineralBalance	Public MineralBalanceLine	

Attributes

Attribute	Notes	Constraints and tags
MineralBalanceLineTypeCode	Unique code referring to the type of mineral this report line is about.	*Default:*
MineralBalanceLineDescription	Short description concerning this report line.	*Default:*
PreviousValueDate	Time stamp of the previous report.	*Default:*
PreviousValue	The in the previous report mentioned, cumulated amount of this specific mineral.	*Default:*

Attribute	Notes	Constraints and tags
CurrentValueDate	Time stamp of the current report.	*Default:*
CurrentValue	The in current, cumulated amount of this specific mineral.	*Default:*
AddedOrDeminishedQuantity	The difference between the previous reported and current reported amount of mineral.	*Default:*

PartyCharacteristic

Type: **Class**
Detail: *Created on 18-7-2018. Last modified on 14-9-2018.*

Generic class for the characteristics of a party that is involved in this business process.

Connections

Connector	Source	Target	Notes
Association for contact information Source -> Destination	Public MilkProductionLocation	Public PartyCharacteristic	
Association for contact information Source -> Destination	Public LegalEntity	Public PartyCharacteristic	
Association for contact information Source -> Destination	Public DairyCompany	Public PartyCharacteristic	

Attributes

Attribute	Notes	Constraints and tags
Name	Name of this party. Can be the name of a person, farm, company.	*Default:*
StreetNameAndNumber	Street name and number of the visitors address of this party.	*Default:*
PostalCodeLocation	Postal code of the visitors address of this party.	*Default:*
CityName	City name of the visitors address of this party.	*Default:*
CountryCode	Country code of the visitors address of this party.	*Default:*

Attribute	Notes	Constraints and tags
PostBoxNumber	Post box number of the mail address of this party.	*Default:*
PostalCodePostBox	Postal code of the mail address of this party.	*Default:*
CityNamePostBox	City name of the mail address of this party.	*Default:*
CountryCodePostBox	Country code of the mail address of this party.	*Default:*
PhoneNumber	Phone number of this party.	*Default:*
TelefaxNumber	Telefax number of this party.	*Default:*
EmailAddress	Email address of this party.	*Default:*
VAT_Number	Value added tax number of this party.	*Default:*
PersonToContact	Name of the person to contact of this party.	*Default:*
IBAN	IBAN code of this party.	*Default:*
URL	URL of the website of this party.	*Default:*

PriceGuaranteed

Type: **Class**
Detail: *Created on 2-8-2018. Last modified on 10-10-2018.*

Indicates the minimum milk price that is guaranteed by the dairy company for this specific time period.
<<Hoe zit dat precies met garantieprijs?>>

Connections

Connector	Source	Target	Notes
Association price guaranteed by Source -> Destination	Public Invoice	Public PriceGuaranteed	

Attributes

Attribute	Notes	Constraints and tags

Attribute	Notes	Constraints and tags
PriceGuaranteedMonth	Number of the month (1 up to 12) this price guaranteed applies to.	*Default:*
PriceGuaranteedPerMonth	The price as guaranteed per month.	*Default:*
PriceGuaranteedCumulated	<<hoe werkt dat, een gecumuleerde prijs??>>	*Default:*

QualityLine

Type: **Class**
Detail: *Created on 18-7-2018. Last modified on 8-10-2018.*

Within the MilkQuality event, the determination of one of the values of a set of quality characteristics (for example for fat, protein, etc.)

Connections

Connector	Source	Target	Notes
Association characterised as Source -> Destination	Public MilkQuality	Public QualityLine	

Attributes

Attribute	Notes	Constraints and tags
QualityCharacteristicCode	Standard code that refers to a specific characteristic (parameter) that indicates the quality of the sampled milk. E.g. '1' for 'fat'. Dutch reference: ADED 200460, Nummer melkonderzoek, code MELKONDZ.	*Default:*
QualityCharacteristicValue	The value of the quality characteristic of the milk sample. Dutch reference: ADED 200462.	*Default:*
QualityCharacteristicDescription	Short name of this milk quality characteristic. Dutch reference: ADED 204529.	*Default:*
MilkQualityLinePenaltyPoints	For the Netherlands: Aantal punten per individueel onderzoek Dutch reference: ADED 200463 Aantal punten. Het aantal punten dat bij de kwaliteitsuitslag hoort.	*Default:*
MilkQualityLineResultStatusCode	Qlip: Status uitslag.	*Default:*
MilkQualityLineCommentCode	Quality classification of this milk delivery. Dutch reference: Gradatie.	*Default:*
CalculatedIndicatorCode	Indicates wether the result is calulated or measured.	*Default:*

QuantityLine

Type: **Class**
Detail: *Created on 2-8-2018. Last modified on 11-10-2018.*

Optional, more detailed specification about the delivered quantities of the components of the raw milk (e.g. fat, protein, lactose, etc.).
Can be expressed ik Kg or in a pecentage. The unit that is to be used (kg or %) is indicated by measurementType.

Connections

Connector	Source	Target	Notes
Association milk quantity specified as Source -> Destination	Public MilkDelivery	Public QuantityLine	
Association forecasted milk quantity specified as Source -> Destination	Public MilkDeliveryForecast	Public QuantityLine	

Attributes

Attribute	Notes	Constraints and tags
QuantityCharacteristicCode	Code, indicating whether it concerns the quantity of fat, protein, lactose, etc.	*Default:*
QuantityCharacteristicValue	The quantity of fat, protein, lactose, etc.	*Default:*
QualityCharacteristicDescription	Short name of a component of raw milk.	*Default:*

Sample

Type: **Class**
Detail: *Created on 25-7-2018. Last modified on 10-10-2018.*

Sample of the raw milk, taken from the milk tank or during the emptying of the milk tank.

Connections

Connector	Source	Target	Notes
Association based on Source -> Destination	Public MilkQuality	Public Sample	

Attributes

Attribute	Notes	Constraints and tags

Attribute	Notes	Constraints and tags
SampleID	Identifier of a specific sample of milk.	*Default:*
SamplingDateTime	The time stamp of the sampling of the milk.	*Default:*

Logical diagram: Class Model EDI-Zuivel Paymenrt

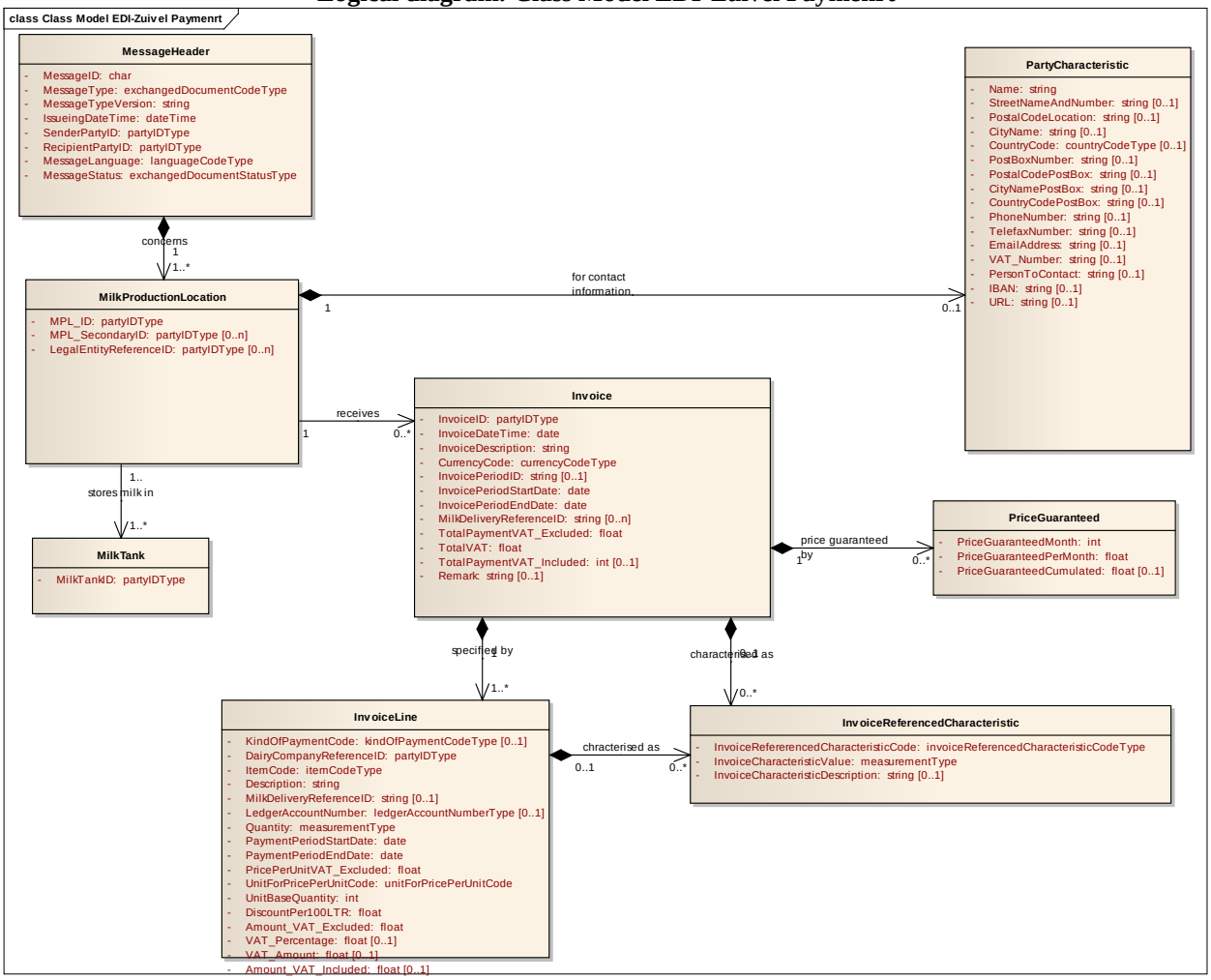


Figure: 9

VATCodeType

Type: **Enumeration**
Detail: *Created on 1-8-2018. Last modified on 1-8-2018.*

ValueAddedTax

Type: **Class**
Detail: *Created on 11-10-2018. Last modified on 11-10-2018.*

The value added tax (VAT).

Attributes

Attribute	Notes	Constraints and tags
VAT-Percentage		*Default:*
BasisAmountForCalcuratingVAT		*Default:*

aggregationLevelCodeType

Type: **Enumeration**
Detail: *Created on 14-8-2018. Last modified on 14-8-2018.*

Attributes

Attribute	Notes	Constraints and tags
listID = CL780		*Default:*
----------		*Default:*
11 = actual measurement, one moment in time		*Default:*
12 = average over start-end period		*Default:*
13 = accumulated over start-end period		*Default:*
14 = average since first delivery		*Default:*

benchMarkItemCodeType

Type: **Enumeration**

Detail: *Created on 2-8-2018. Last modified on 2-8-2018.*

Attributes

Attribute	Notes	Constraints and tags
1 = Kg melk geproduceerd		*Default:*
2 = Eiwit % gemiddeld		*Default:*
3 = Vet % gemiddeld		*Default:*
4 = Lactose % gemiddeld		*Default:*
5 = Ureumgehalte gemiddeld		*Default:*
6 = Melkgeld incl BTW		*Default:*
7 = Prijs incl BTW		*Default:*
8 = Prijs excl BTW		*Default:*

benchmarkItemScopeCodeType

Type: **Enumeration**
Detail: *Created on 2-8-2018. Last modified on 2-8-2018.*

Attributes

Attribute	Notes	Constraints and tags
1 = within your production unit (farm)		*Default:*
2 = within your dairy company		*Default:*
3 = within your region		*Default:*

booleanType

Type: **Enumeration**
Detail: *Created on 11-12-2020. Last modified on 4-1-2021.*

Attributes

Attribute	Notes	Constraints and tags
Y = Yes		*Default:*
N = No		*Default:*

calculatedIndicatorCodeType

Type: **Enumeration**
Detail: *Created on 13-9-2019. Last modified on 13-9-2019.*

Indicates wether the result is calulated or measured.

Attributes

Attribute	Notes	Constraints and tags
0 = measured		*Default:*
1 = calculated		*Default:*

countryCodeType

Type: **Enumeration**
Detail: *Created on 3-11-2020. Last modified on 3-11-2020.*

Country codes: 2 letter ISO 3166.

Attributes

Attribute	Notes	Constraints and tags
NL		*Default:*
BE		*Default:*
DE		*Default:*

Attribute	Notes	Constraints and tags
UK		*Default:*
AT		*Default:*
CH		*Default:*
ES		*Default:*
FI		*Default:*

currencyCodeType

Type: **Enumeration**
Detail: *Created on 18-7-2018. Last modified on 30-7-2018.*

Attributes

Attribute	Notes	Constraints and tags
EUR = Euro		*Default:*
USD = US Dollar		*Default:*
GBP = Pound Sterling		*Default:*

dairyCompanyID

Type: **Enumeration**
Detail: *Created on 30-7-2018. Last modified on 29-10-2019.*

Attributes

Attribute	Notes	Constraints and tags

Attribute	Notes	Constraints and tags
schemaID = nl.cl763 (DairyCompanyID)		*Default:*
(fabrieksnummers Qlip)		*Default:*
----------		*Default:*
001 = FrieslandCampina		*Default:*
002 = Nemelco		*Default:*
003 = A-ware		*Default:*
007 = Hekking, geit		*Default:*
009 = DOC		*Default:*
etc, etc		*Default:*

deliveryStatusCodeType

Type: **Enumeration**
Detail: *Created on 16-8-2018. Last modified on 16-8-2018.*

Attributes

Attribute	Notes	Constraints and tags
1 = actual milk delivery		*Default:*
2 = forcasted milk delivery		*Default:*

exchangedDocumentCodeType

Type: **Enumeration**
Detail: *Created on 18-7-2018. Last modified on 30-7-2018.*

Afgeleid van codelijst BERICHTTYP van EDI-Zuivel oud.

Attributes

Attribute	Notes	Constraints and tags
60 = Dairy production		*Default:*

exchangedDocumentStatusType

Type: **Enumeration**
Detail: *Created on 25-7-2018. Last modified on 30-7-2018.*

Source: ICAR

Attributes

Attribute	Notes	Constraints and tags
I = new message (Insert)		*Default:*
U = update of message (Update)		*Default:*
D = deletion of a message (Delete)		*Default:*
C = cancellation of not yet processed message (Cancellation)		*Default:*
R = replacement of not yet processed message (Replacement)		*Default:*

financialBalanceLineTypeCodeType

Type: **Enumeration**
Detail: *Created on 31-7-2018. Last modified on 2-8-2018.*

Attributes

Attribute	Notes	Constraints and tags
1 = vrije ledenrekening		*Default:*
2 = ledenobligaties vast		*Default:*

Attribute	Notes	Constraints and tags
3 = ledenobligaties vrij		*Default:*
etc, etc		*Default:*

invoiceReferencedCharacteristicCodeType

Type: **Enumeration**
Detail: *Created on 18-7-2018. Last modified on 27-9-2018.*

Attributes

Attribute	Notes	Constraints and tags
Codelijst CL769, basis voor uitbetaling		*Default:*
----------		*Default:*
202424 = PaymentCorrectionFat <vervallen?>		*Default:*
204555 = PaymentFat <vervallen?>		*Default:*
204556 = PaymentProtein <vervallen?>		*Default:*
204558 = PaymentLactose <vervallen?>		*Default:*
204604 = PaymentUreum <vervallen?>		*Default:*
204605 = CumulatedPaymentUreum		*Default:*
200481 = AverageFatDairyCompany		*Default:*
200482 = AverageProteinDairyCompany		*Default:*
204606 = AverageUreumDairyCompany		*Default:*

Attribute	Notes	Constraints and tags
200480 = CumulatedQualityScore		*Default:*
202433 = CumulatedFatCorrection		*Default:*
204627 = MonthlyAverageFatProductionUnit		*Default:*
204628 = MonthlyAverageProteinProductionUnit		*Default:*

itemCodeType

Type: **Enumeration**
Detail: *Created on 30-7-2018. Last modified on 14-8-2018.*

Attributes

Attribute	Notes	Constraints and tags
itemCodeTypes Qlip (CL760):		*Default:*
1 = melk		*Default:*
11 = vetkilogrammen		*Default:*
21 = eiwitkilogrammen		*Default:*
31 = gemiddeld lactose		*Default:*
33 = gemiddeld ureum		*Default:*
41 = inhouding per kg melk		*Default:*
etc, etc		*Default:*
----------		*Default:*

Attribute	Notes	Constraints and tags
itemCodeTypes FC (CL761):		*Default:*
1 = rauwe melk		*Default:*
2 = rauwe melk (L)		*Default:*
5 = vet garantieprijs		*Default:*
6 = correctie vet garantieprijs		*Default:*
10 = eiwit garantieprijs		*Default:*
11 = correctie eiwit garantieprijs		*Default:*
etc, etc, etc		*Default:*

kindOfPaymentCodeType

Type: **Enumeration**
Detail: *Created on 13-9-2018. Last modified on 13-9-2018.*

Attributes

Attribute	Notes	Constraints and tags
listID = CL779		*Default:*
----------		*Default:*
0 = normale melkafrekening		*Default:*
1 = prestatietoeslag		*Default:*
2 = dividenduitkering.		*Default:*

languageCodeType

Type: **Enumeration**
Detail: *Created on 3-11-2020. Last modified on 3-11-2020.*

Language codes to ISO 639-2:1998. Notation Alpha-3.
http://www.loc.gov/standards/iso639-2/php/code_list.php

Attributes

Attribute	Notes	Constraints and tags
nld		*Default:*
fra		*Default:*
dan		*Default:*
ger		*Default:*
ang		*Default:*
spa		*Default:*

ledgerAccountCodeType

Type: **Enumeration**
Detail: *Created on 30-7-2018. Last modified on 30-7-2018.*

Attributes

Attribute	Notes	Constraints and tags
listID = CL764 (GRAS codes)	GRAS, Geüniformeerd Rekeningschema Agrarische Sector, CL764:	*Default:*
----------		*Default:*
1510000 = melkquota		*Default:*
4340000 = onderhoud klein materiaal		*Default:*
4353001 = huur tank		*Default:*

Attribute	Notes	Constraints and tags
8511001 = vetopbrengst		*Default:*
8511002 = eiwitopbrerngst		*Default:*
etc, etc		*Default:*

ledgerAccountNumberType

Type: **Enumeration**
Detail: *Created on 5-9-2018. Last modified on 5-9-2018.*

Code list: CL764, GRAS-code

Attributes

Attribute	Notes	Constraints and tags
Code list: CL764, GRAS-code		*Default:*
----------		*Default:*

measurementType

Type: **Class**
Detail: *Created on 18-7-2018. Last modified on 8-10-2018.*

Standard data type for expressing the value of a measurement. To be used for all types of measurement in this class model.

Attributes

Attribute	Notes	Constraints and tags
MeasuredValue	Expresses the measured value of the measurement.	*Default:*
MeasurementUnitCode	The code that refers to the standard unit or dimension to express the value of theis measurement. E.g. KGM for kilogram.	*Default:*

measurementUnitCodeType

Type: **Enumeration**
Detail: *Created on 18-7-2018. Last modified on 30-7-2018.*

Attributes

Attribute	Notes	Constraints and tags
listID = CL020		*Default:*
----------		*Default:*
KGM = kilogram		*Default:*
LTR = liter		*Default:*
NBR = number (aantal)		*Default:*
GL = gram per liter		*Default:*
GRM100GRM = gram per 100 gram		*Default:*
CEL = degree Celsius		*Default:*
P1 = percent		*Default:*
M1 = milligram per liter		*Default:*
MGM100GRM = milligram per 100 gram		*Default:*
NBRKGM = aantal per kilogram		*Default:*
etc, etc		*Default:*

milkQualityLineCommentCodeType

Type: **Enumeration**
Detail: *Created on 30-8-2018. Last modified on 12-9-2019.*

Attributes

Attribute	Notes	Constraints and tags
listID = CL768. Gradatie melkkwaliteit		*Default:*
----------		*Default:*
001 = goed		*Default:*
002 = matig		*Default:*
003 = let op		*Default:*
004 = slecht		*Default:*
005 = mislukt		*Default:*
etc., etc.		*Default:*

milkQualityStatusCodeType

Type: **Enumeration**
Detail: *Created on 6-8-2018. Last modified on 20-9-2018.*

Afhankelijk van het kwaliteitssysteem dat de fabriek hanteerd.

Attributes

Attribute	Notes	Constraints and tags
listID = CL776		*Default:*
----------		*Default:*
1 = basis voor uitbetaling		*Default:*
2 = extra analyse		*Default:*

Attribute	Notes	Constraints and tags
3 = maandmonster		*Default:*

mineralBalanceLineTypeCodeType

Type: **Enumeration**
Detail: *Created on 6-12-2018. Last modified on 6-12-2018.*

Attributes

Attribute	Notes	Constraints and tags
1 = stikstof (N)		*Default:*
2 = fosfaat (P2O5)		*Default:*
3 = kalium (K)		*Default:*

partyIDType

Type: **Class**
Detail: *Created on 30-7-2018. Last modified on 3-11-2020.*

Standard data segment for the unique identifier of a party.

Attributes

Attribute	Notes	Constraints and tags
partyID_Value	The value of the party identifier.	*Default:*
partyIDTypeCode	Indicator of what type of identifier is used to identify the party. E.g., a GLN, KvK, customer ID, etc.	*Default:*

partyIDTypeCodeType

Type: **Enumeration**
Detail: *Created on 30-7-2018. Last modified on 3-11-2020.*

Attributes

Attribute	Notes	Constraints and tags
schemaID = nl.cl709		*Default:*
----------		*Default:*
nl.ubn = uniek bedrijfsnummer		*Default:*
nl.kvk = Kamer van Koophandel nummer		*Default:*
nl.plnt = fabrieksnummer	Fabriesnummer.	*Default:*
nl.brs = bedrijfsregistratienummer		*Default:*
gln = global location number GS1		*Default:*
be.pen = productieeenheidnummer België		*Default:*
nl.ftn = fabrieksnummer + tanknummer		*Default:*
nl.memnr = lidnummer		*Default:*
nl.notsp = not specified		*Default:*
nl.tnk = tanknummer		*Default:*
nl.ref = allocated by generating party		*Default:*
nl.vat = btw-nummer		*Default:*
nl.skal = skal nummer		*Default:*
cusnr = klantnummer		*Default:*

partyRoleType

Type: **Enumeration**
Detail: *Created on 18-7-2018. Last modified on 30-7-2018.*

Attributes

Attribute	Notes	Constraints and tags
II = issuer invoice		*Default:*
LAB = laboratory		*Default:*
DACO = dairy company		*Default:*
FARM = milk production unit		*Default:*
MEM = member		*Default:*

productionUnitCharacteristicCodeType

Type: **Enumeration**
Detail: *Created on 23-7-2018. Last modified on 30-7-2018.*

qualityCharactericticCodeType

Type: **Enumeration**
Detail: *Created on 25-7-2018. Last modified on 9-8-2018.*

Betreft in EDI-Zuivel-oud codelijst MELKONDZ (Qlip-nummers melkonderzoek v27nov17.xls).

Attributes

Attribute	Notes	Constraints and tags
listID = CL762, Qlip lijst MELKONDZ		*Default:*
----------		*Default:*
1 = coligetal		*Default:*
2 = reinheid		*Default:*

Attribute	Notes	Constraints and tags
3 = kiemgetal		*Default:*
4 = chloroform		*Default:*
5 = boterzuur		*Default:*
6 = celgetal		*Default:*
21 = vetgehalte		*Default:*
22 = eiwitgehalte		*Default:*
23 = lactosegehalte		*Default:*
etc, etc		*Default:*

qualityScopeCodeType

Type: **Enumeration**
Detail: *Created on 5-8-2018. Last modified on 20-9-2018.*

Attributes

Attribute	Notes	Constraints and tags
listID = CL777		*Default:*
----------		*Default:*
1 = for this event		*Default:*
2 = for this month		*Default:*
3 = average for this ProductionLocation		*Default:*

Attribute	Notes	Constraints and tags
4 = avarage for this DairyCompany		*Default:*

quantityCharacteristicCodeType

Type: **Enumeration**
Detail: *Created on 2-8-2018. Last modified on 2-8-2018.*

Attributes

Attribute	Notes	Constraints and tags
listID = CL778		*Default:*
----------		*Default:*
1 = eiwit		*Default:*
2 = vet		*Default:*
3 = lactose		*Default:*
4 = ureum		*Default:*

unitForPricePerUnitCode

Type: **Enumeration**
Detail: *Created on 11-10-2018. Last modified on 11-10-2018.*

Attributes

Attribute	Notes	Constraints and tags
listID = CL020 (measurement units)		*Default:*

Attribute	Notes	Constraints and tags
----------		*Default:*
KGM = kilogram		*Default:*
LTR = liter		*Default:*
PERITEM = per stuk		*Default:*

valueType

Type: **Class**
Detail: *Created on 31-7-2018. Last modified on 31-7-2018.*

Attributes

Attribute	Notes	Constraints and tags
ValueDate		*Default:*
NumberOfItems		*Default:*
ValueOfItems		*Default:*