



**Business Requirements
for
Change of
Metered Data Responsible**

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A. About this document

This document is a Business Requirements Specification (BRS) for Change of Metered Data Responsible process within the structuring process of the European energy market. In this BRS we use business terms for the actors, and we map them to the terms used in the Harmonised Role Model from ENTSO-E, ebIX® and EFET [2].

A change of meter may be associated with the process of change of the Metered Data Responsible.

The change of the Metered Data Responsible may result in the change of the Metered Data Administrator, as both roles are often within one company.

As a general introduction ebIX® has published a separate document “Introduction to ebIX® Business Requirements and Business Information Models” [4]. The introduction also includes the generic model elements that are not specific for a business process.

In line with UN/CEFACT Modelling Methodology version 2 (UMM-2) ebIX® defines the business requirements as the first step in modelling energy market processes. This document specifies an UMM Business Requirements View, which consist of the three sub views: Business Domain View, Business Partner View and Business Entity View.

The Business Information Model is in turn the basis for the creation of XML schema's and is the basis for the specification of web services. The Business Information Model and the syntax specific structures are specified by the “ebIX® Technical Committee” (ETC).

Since the ebIX® model is open for national customisation, some attributes are added as optional for usage for regional/national customisation. If used, these attributes must be specified nationally.

A.1. References

A.1.1. Standards

- [1] UML Profile for UN/CEFACT's Modelling Methodology (UMM), Base Module 2.0., (<http://www.unece.org/tradewelcome/un-centre-for-trade-facilitation-and-e-business-uncefact/outputs/technical-specifications/uncefact-modelling-methodology-umm.html>);
- [2] UML Profile for UN/CEFACT's Modelling Methodology (UMM), Foundation Module, 2.0. (<http://www.unece.org/tradewelcome/un-centre-for-trade-facilitation-and-e-business-uncefact/outputs/technical-specifications/uncefact-modelling-methodology-umm.html>);
- [3] The Harmonized Role Model (for the Electricity Market) by ebIX®, ENTSO-E, and EFET (www.ebix.org).

A.1.2. ebIX® Documents

- [4] Introduction to ebIX® Business Requirements and Business Information Models (www.ebix.org).
- [5] Recommended Identification Schemes for the European Energy Market (www.ebix.org);
- [6] ebIX® code lists (www.ebix.org);
- [7] ebIX® Business Requirements for measure for determine meter read (www.ebix.org);
- [8] ebIX® Business Requirements for Alignment of Accounting Point Characteristics (www.ebix.org).

A.2. Main changes since last version

Old	New	Clarification	Date
Version 4.0			
3.2.B	4.0.A	Recast of BRS	20190502
4.0.A	4.0.B	<ul style="list-style-type: none"> • Harmonised the introduction with other ebIX® BRSs. • Moved Reference to requesting Transaction ID to Async Additions. • Update of roles to be in line with the ebIX®, EFET and ENTSO-E Harmonised Electricity Market Role Model version 2022-01. • Hiding attributes from the root class in Appendix A, to make the class diagrams more readable. • Correction of spelling errors. 	20230815
4.0.B	4.0.C	<ul style="list-style-type: none"> • Small correction in paragraph “A About this document” (e.g., removal of reference to hub). 	20231002

1. Business Requirements View: Change of Metered Data Responsible

1.1. Change of Metered Data Responsible (Business Process UseCase)

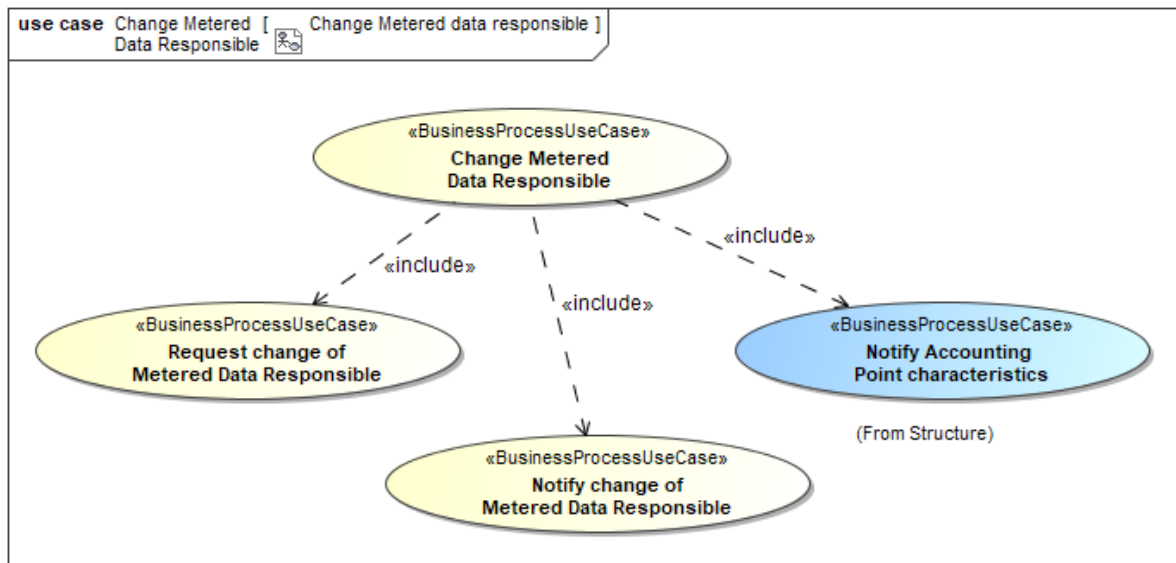


Figure 1 Change of Metered Data Responsible

1.1.1. Description

UseCase description: Change of Metered Data Responsible	
definition	This is the process where a New Metered Data Responsible will be registered in the Metering Point administration at the request of the New Metered Data Responsible for the Accounting Point. The Metering Point Administrator makes all necessary updates for the change, including notification to Old Metered Data Responsible and distribution of master data for alignment.
beginsWhen	When the Customer linked to an Accounting Point has signed a contract with a New Metered Data Responsible, the New Metered Data Responsible initiates the change of Metered Data Responsible process
preCondition	The New Metered Data Responsible is properly licensed and has all needed information to be able to request change of Metered Data Responsible
endsWhen	When the request for change of Metered Data Responsible is confirmed and all relevant parties are informed about the change of Metered Data Responsible, and master data of the Accounting Point involved have been distributed to relevant parties
postCondition	The change of Metered Data Responsible is linked to the Accounting Point and all relevant parties are informed and all Linked Roles have aligned master data.

<p>exceptions</p>	<p>The request for change of Metered Data Responsible is rejected and nothing is changed in the Metering Point administration.</p> <p>As a result of the change of Metered Data responsible there may be triggered processes of changing the metering installation at the Accounting Point. This is not described here.</p>
<p>actions</p>	<p>See 1.1.2</p>

1.1.2. Business Process

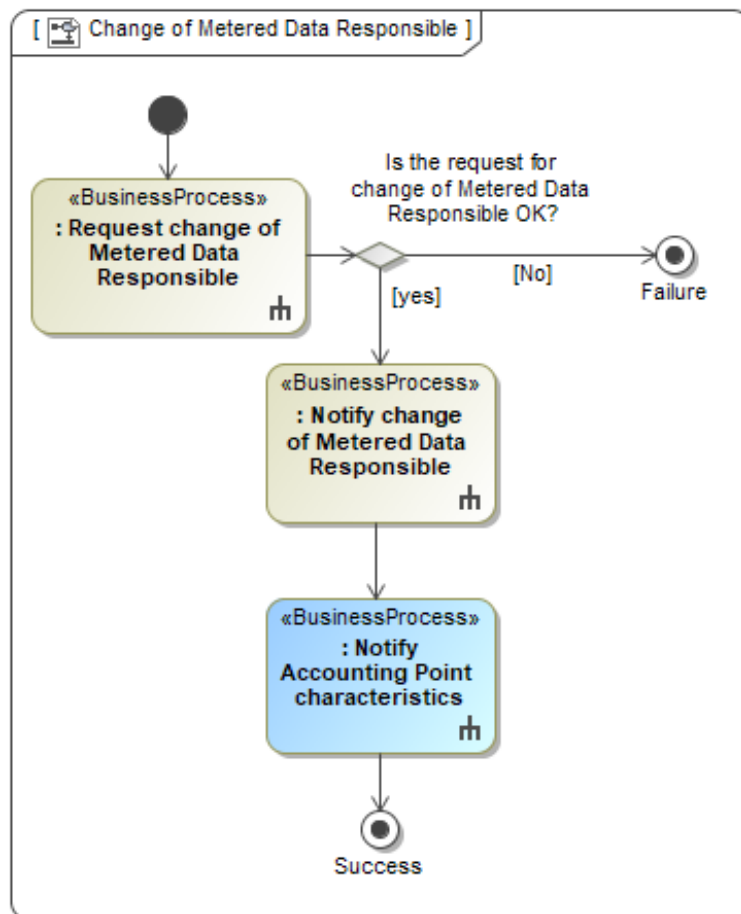


Figure 2 Business Process: Change of Metered Data Responsible

1.1.3. Request change of Metered Data Responsible

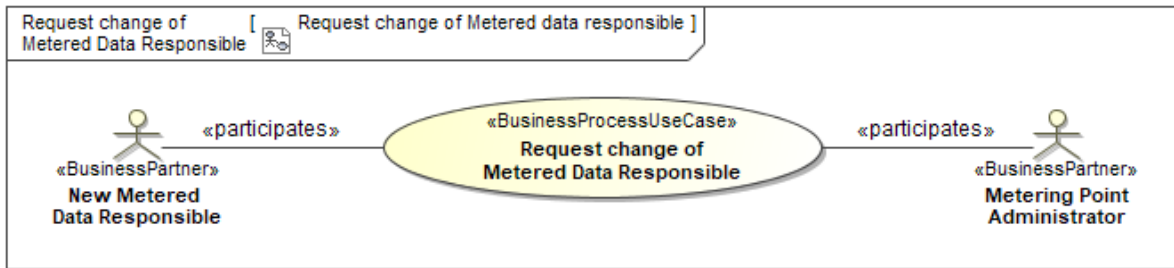


Figure 3 Request change of Metered Data Responsible

1.1.3.1. Description

UseCase description: Request change of Metered Data Responsible	
definition	In this process, the new Metered Data Responsible will request the change of Metered Data Responsible and the Metering Point Administrator confirms it.
beginsWhen	When the new Metered Data Responsible sends a request for change of Metered Data Responsible (he is contracted by or for the Customer).
preCondition	The requesting Metered Data Responsible is properly licensed and has a metering contract in place for the Accounting Point.
endsWhen	When the request for change of Metered Data Responsible is confirmed.
postCondition	The change of Metered Data Responsible has been confirmed by the Metering Point Administrator to the requesting Metered Data Responsible.
exceptions	The request for change of Metered Data Responsible is rejected.
actions	See 1.1.3.2

1.1.3.2. Business Process

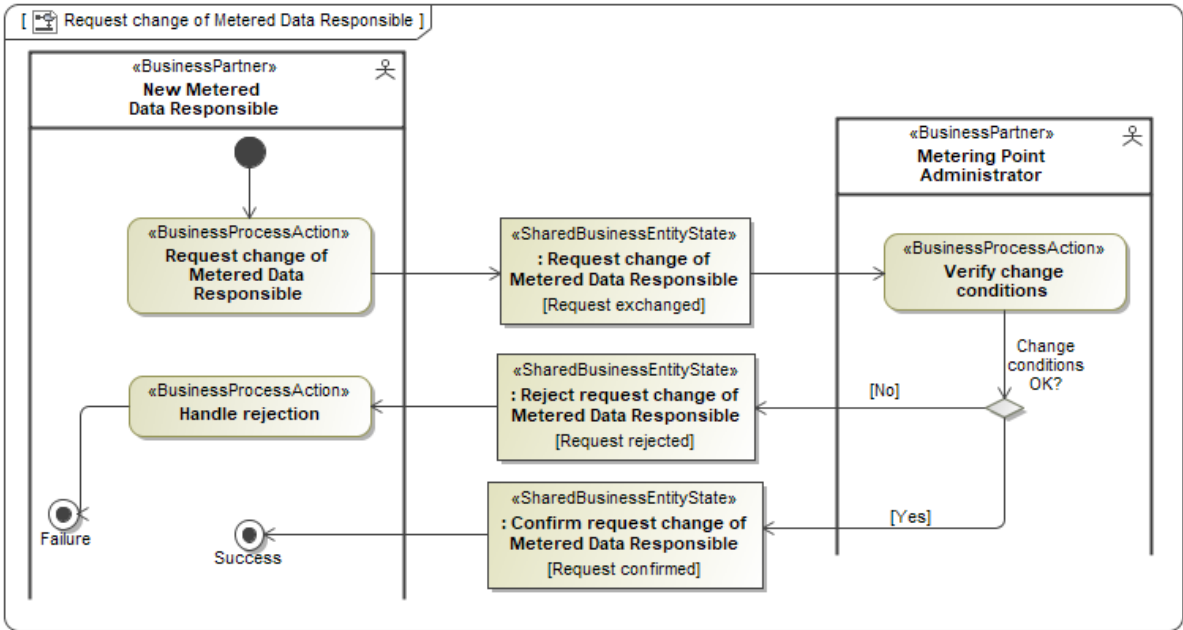


Figure 4 Request change of Metered Data Responsible

1.1.4. Notify change of Metered Data Responsible (Business Process UseCase)

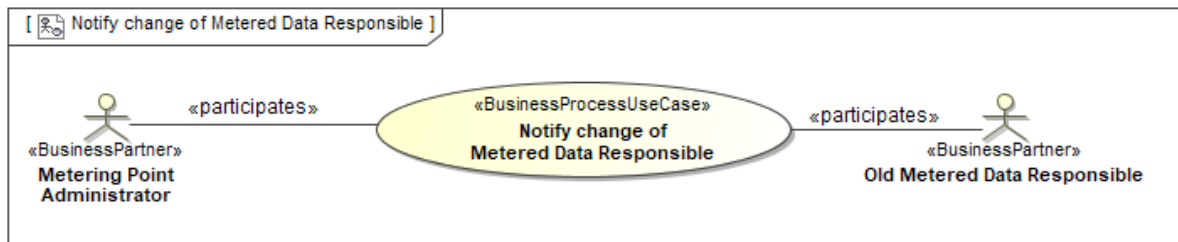


Figure 5 Notify change of Metered Data Responsible

1.1.4.1. Description

UseCase description: Notify change of Metered Data Responsible	
definition	In this process, the Metering Point Administrator will notify the Old Metered Data Responsible about the change of Metered Data Responsible at the Accounting Point and the related change date.
beginsWhen	When the Metering Point Administrator has confirmed the change of Metered Data Responsible.
preCondition	The Metering Point Administrator has confirmed the request for change of Metered Data Responsible.
endsWhen	When the Old Metered Data Responsible has received the notification from the Metering Point Administrator.
postCondition	The Old Metered Data Responsible has been informed about the end of responsibility for the Accounting Point by the Metering Point Administrator.
exceptions	If required by national rules also the Metered Data Aggregator or other market roles must be notified.
actions	See 1.1.4.2

1.1.4.2. Business Process

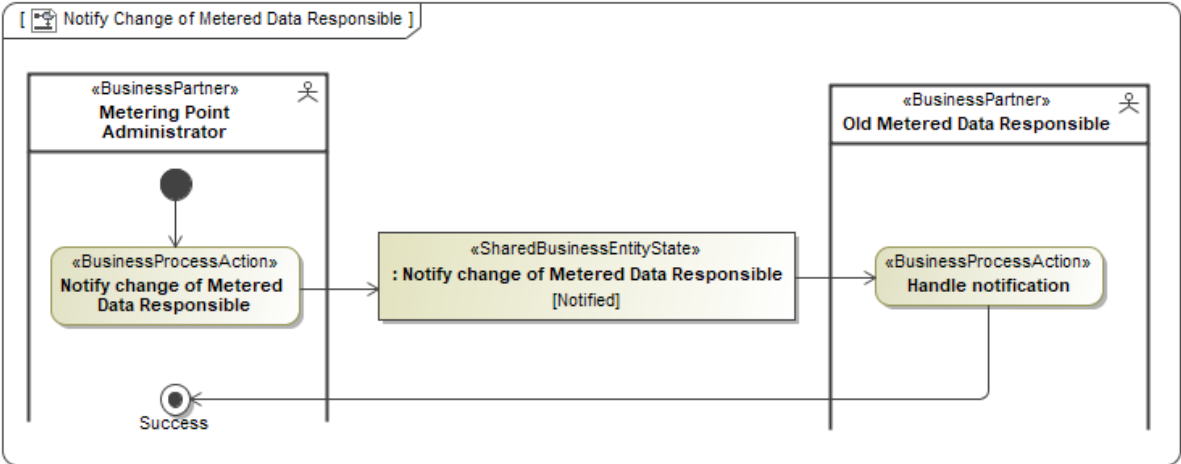


Figure 6 Notify change of Metered Data Responsible

1.1.5. Notify Accounting Point Characteristics

In order for all Linked Roles to operate properly they will be notified with Accounting Point characteristics. Notify Accounting Point Characteristics is documented in a separate document, see [8]. In that BRS (Alignment of Accounting Point Characteristics), the “Linked Roles” are specified.

1.2. Business Partner View

1.2.1. Business Partners: Change of Metered Data Responsible

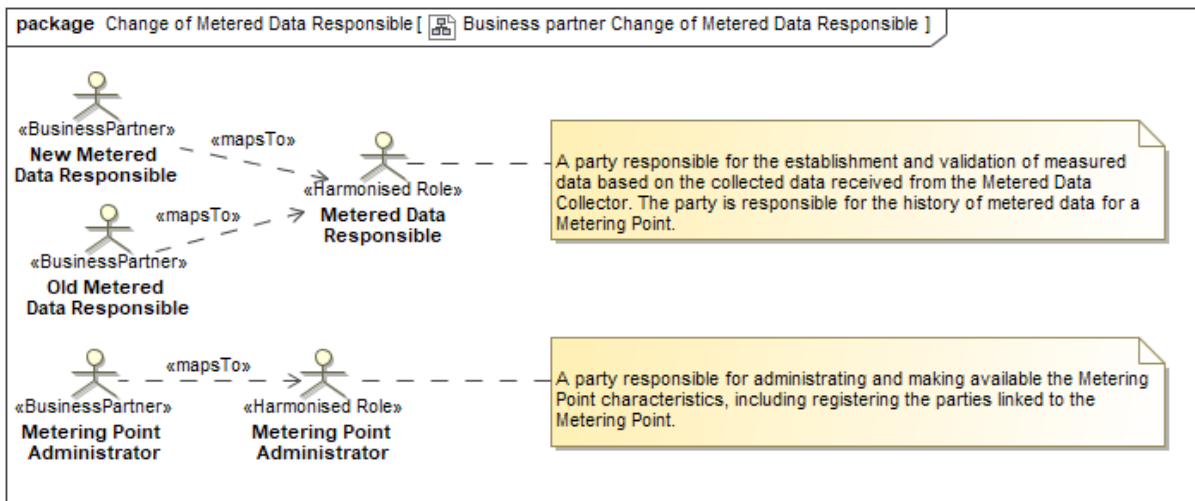


Figure 7 Business Partner change of Metered Data Responsible

1.3. Business Entity View

1.3.1. Short introduction

A general introduction to the Business Data View can be found in the Introduction to ebIX® Business Requirements and Business Information Models (www.ebix.org), [4].

1.3.2. Request change of Metered Data Responsible (Class Diagram)

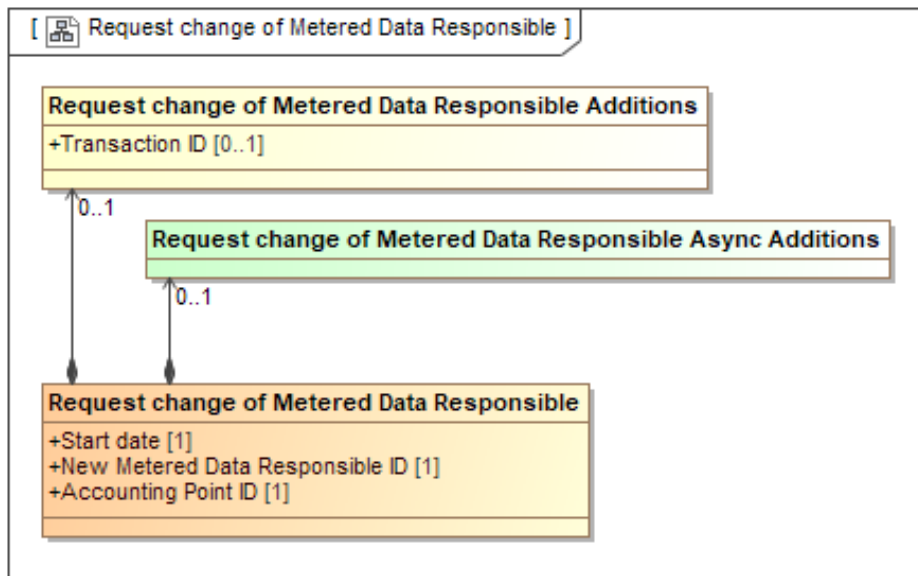


Figure 8 Request change of Metered Data Responsible

1.3.2.1. Element definitions: Request change of Metered Data Responsible

«Business entity» Request change of Metered Data Responsible	The information set sent by a New Metered Data Responsible to the Metering Point Administrator when requesting change of Metered Data Responsible.
Start date	The requested date for the New Metered Data Responsible to take over the Metered Data responsibility for this Accounting point.
New Metered Data Responsible ID	The unique identification of the requested New Metered Data Responsible.
Accounting Point ID	The unique identification of the Accounting Point the change of Metered Data Responsible is intended for.
Request change of Metered Data Responsible Additions	Additional information, related to change of Metered Data Responsible, to be agreed on a national level.
Transaction ID	The unique identification of this set of information given by the requesting Metered Data Responsible.
Request change of Metered Data Responsible Async Additions	Additional information, related to change of Metered Data Responsible, needed when using asynchronous communication, however not used in this request.

1.3.3. Confirm request change of Metered Data Responsible (Class Diagram)

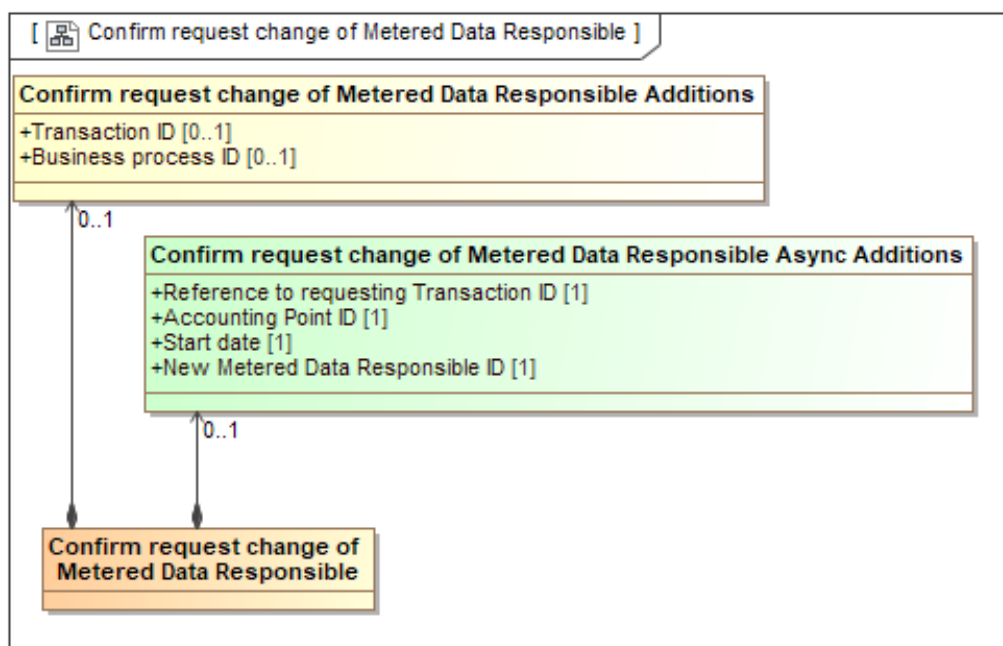


Figure 9 Confirm request change of Metered Data Responsible

1.3.3.1. Element definitions: Confirm request change of Metered Data Responsible

«Business entity» Confirm request change of Metered Data Responsible	The information set sent by the Accounting Point Administrator to the requesting Metered Data Responsible to confirm this change of Metered Data Responsible.
Confirm request change of Metered Data Responsible Async Additions	Information related to the confirmation of change of Metered Data Responsible, needed when using an asynchronous communication.
Reference to requesting Transaction ID	The Transaction ID from the request given by the requesting Metered Data Responsible.
Start date	The confirmed date for the New Metered Data Responsible to be responsible for the Accounting Point.
New Metered Data Responsible ID	The unique identification of the new Metered Data Responsible to take over the metered data responsibility for this Accounting point.
Accounting Point ID	The unique identification of the Accounting Point this change of Metered Data Responsible is confirmed for.

Confirm request change of Metered Data Responsible Additions	Information related to confirmation of change of Metered Data Responsible to be agreed on a national level.
Transaction ID	The unique identification of this set of information given by the Metering Point Administrator.
Business process ID	The unique identification, given by the Metering Point Administrator, of this requested change of Metered Data Responsible process that this response is part of.

1.3.4. Reject request change of Metered Data Responsible (Class Diagram)

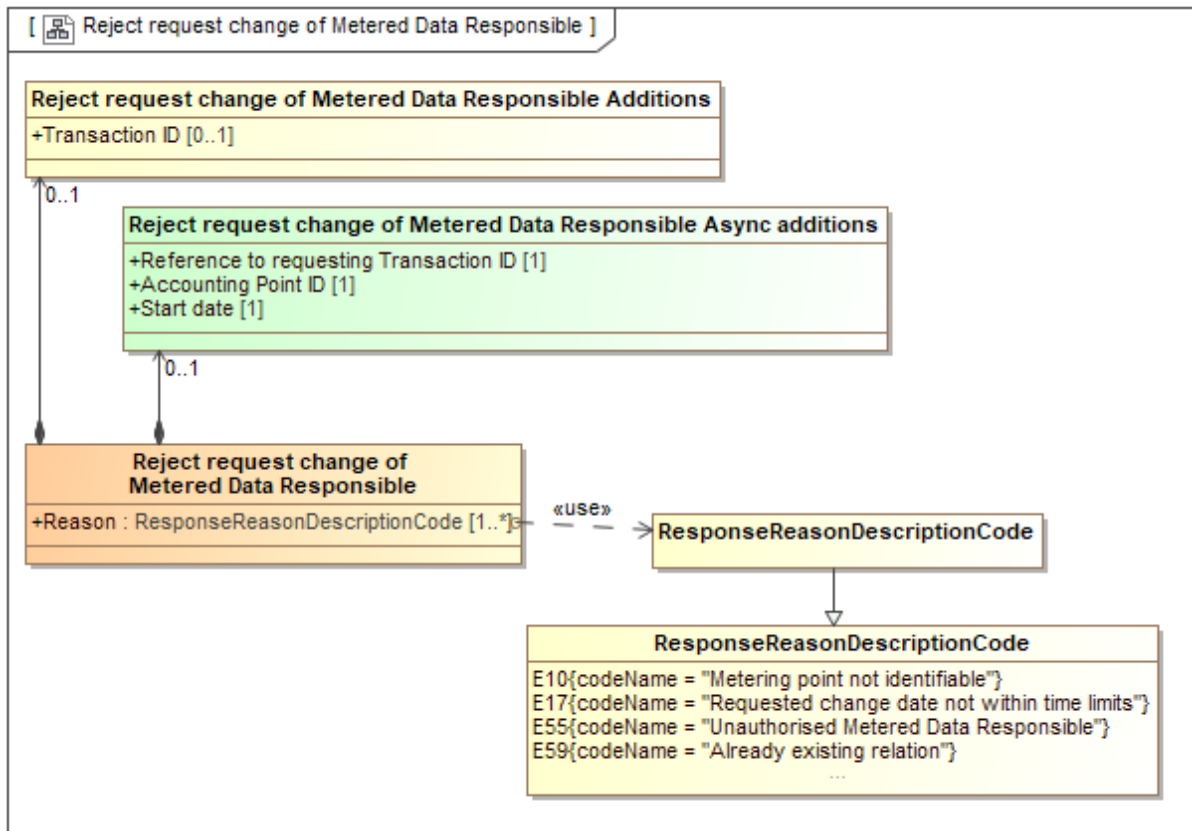


Figure 10 Reject request change of Metered Data Responsible

1.3.4.1. Element definitions: Reject request change of Metered Data Responsible

«Business entity» Reject request change of Metered Data Responsible	The information set sent by the Metering Point Administrator to the requesting Metered Data Responsible to reject this change of Metered Data Responsible.
Reason	A code specifying the reason for the rejection of the requested change of Metered Data Responsible.
Reject request change of Metered Data Responsible Additions	Information related to rejection of change of Metered Data Responsible, needed for technical reasons or to be agreed on a national level.
Transaction ID	The unique identification of this set of information given by the Metering Point Administrator.

Reject request change of Metered Data Responsible Async Additions	Additional information, related to the change of Metered Data Responsible, needed when using asynchronous communication.
Reference to requesting Transaction ID	The Transaction ID from the request given by the requesting Metered Data Responsible.
Accounting Point ID	The unique identification of the Accounting Point this change of Metered Data Responsible is rejected for.
Start date	The requested date for the change of Metered Data Responsible that is rejected.

1.3.5. Notify change of Metered Data Responsible (Class Diagram)

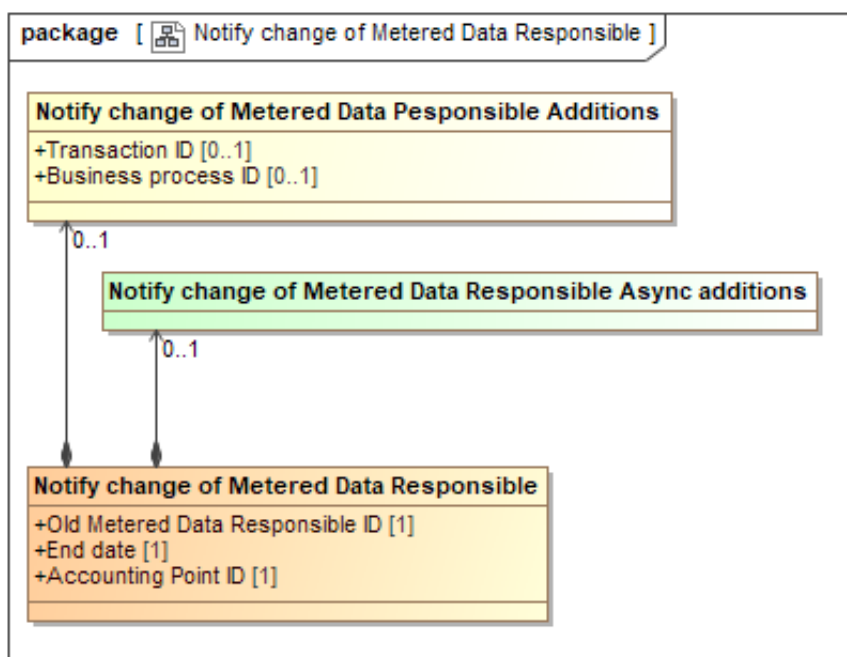


Figure 11 Notify change of Metered Data Responsible

1.3.5.1. Element definitions: Notify change of Metered Data Responsible

«Business entity» Notify change of Metered Data Responsible	The information set sent by the Metering Point Administrator to of the Old Metered Data Responsible to notify this change of Metered Data Responsible.
Old Metered Data Responsible ID	The unique identification of the Old Metered Data Responsible that is responsible for metered data in the Accounting Point until the date for which this change of Metered Data Responsible takes place.
End date	The date from when the Old Metered Data Responsible no longer is responsible for the metered data for this Accounting point.
Accounting Point ID	The unique identification of the Accounting Point this change of Metered Data Responsible is notified for.
Notify change of Metered Data Responsible Additions	Additional information, related to the Notify change of Metered Data Responsible, to Old Metered Data Responsible agreed on a national level.
Transaction ID	The unique identification of this set of information given by the Metering Point Administrator.
Business process ID	The unique identification, given by the Metering Point Administrator, of this change of Metered Data Responsible process that this notification is a part of.

Notify change of Metered Data Responsible Async Additions	Additional information related to change of Metered Data Responsible, needed when using asynchronous communication, however not used in this notification.
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Appendix A. Header and context information for the class diagrams

A.1. Header and context Information attributes definitions

Class/attribute	Sector ¹	Description
Header and context Information		The set of information specifying the information to be added to this payload to enable the exchange as a document.
Document Type		A code representing the document type used for the exchange of this set of information.
Business Reason		A code representing the business reason for the exchange of this set of information.
Ancillary Business Process Role		A code representing the market role taking part in this exchange together with the Responsible Role, responsible for the process/this exchange.

A.2. Request change of Metered Data Responsible

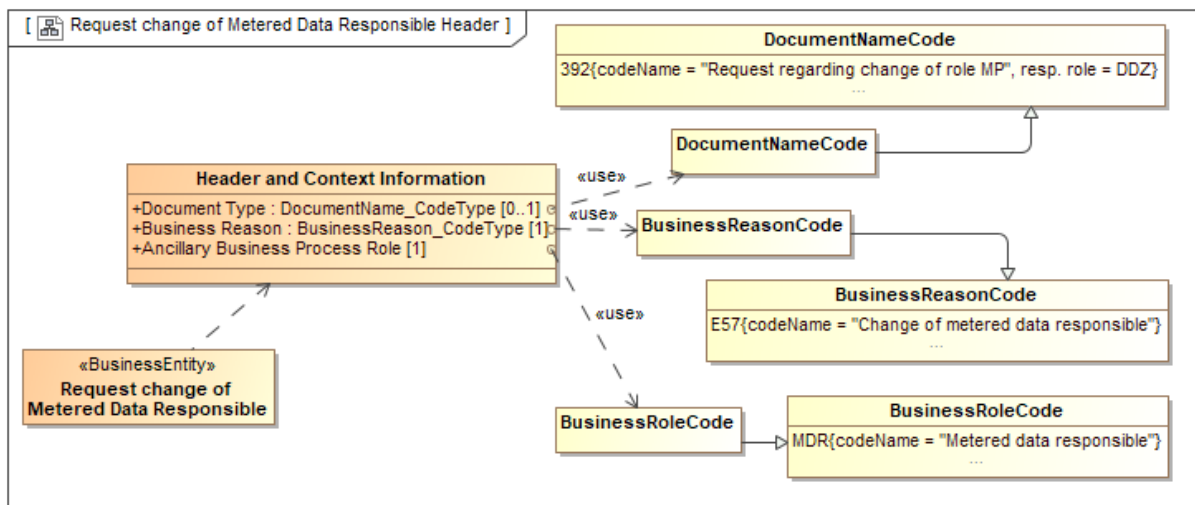


Figure 12 Class diagram: Header and context Information Request change of Metered Data Responsible

¹ It is assumed that Metering Points are uniquely dedicated to either electricity or to gas.

A.3. Confirm request change of Metered Data Responsible

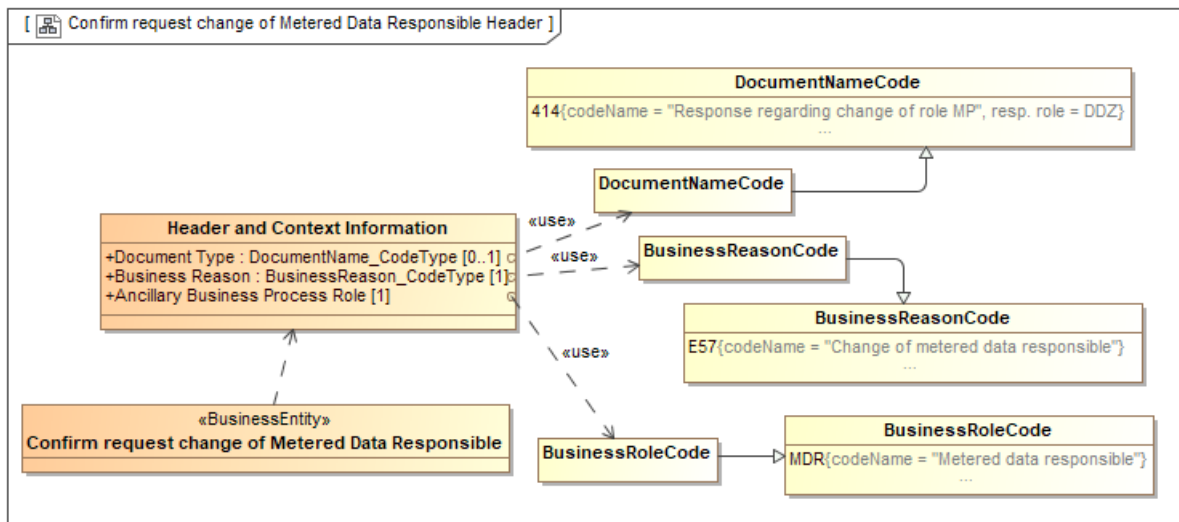


Figure 13 Class diagram: Header and context Information Confirm request change of Metered Data Responsible

A.4. Reject request change of Metered Data Responsible

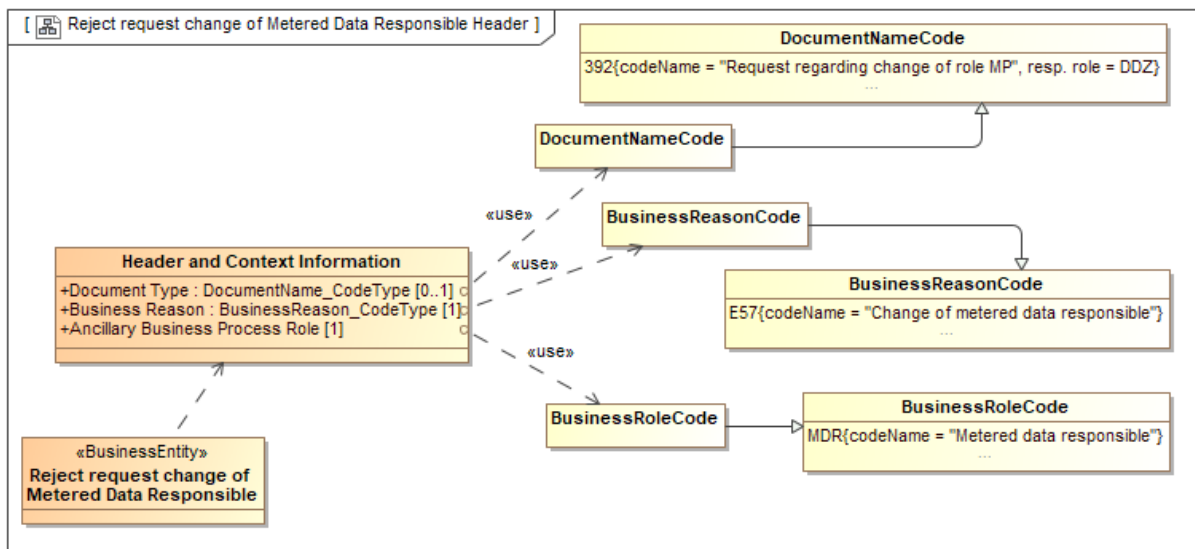


Figure 14 Class diagram: Header and context Information Reject request change of Metered Data Responsible

A.5. Notify change of Metered Data Responsible

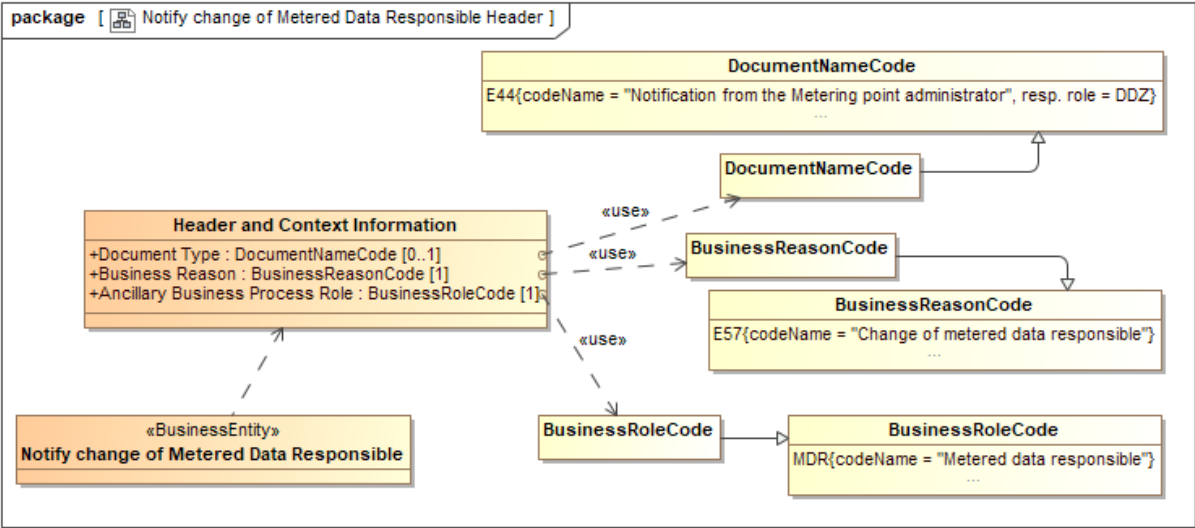


Figure 15 Class diagram: Header and context Information: Notify change of Metered Data Responsible