



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

Status: Approved by ebIX® Forum

Version: 3.2

Revision: A

Date: February 2014

CONTENT

- A. About this document..... 4
  - A.1. Comments to the ebIX® model ..... 4
  - A.2. References..... 4
    - A.2.1. Standards..... 4
    - A.2.2. ebIX® Documents ..... 4
  - A.3. Participants in the project ..... 5
  - A.4. Main changes since last version ..... 5
- 1. Business Requirements View: Change of Metered Data Responsible ..... 7
  - 1.1. Change of Metered Data Responsible (Business Process UseCase)..... 7
    - 1.1.1. Description ..... 7
    - 1.1.2. Business Process..... 8
    - 1.1.3. Request Change of Metered Data Responsible..... 9
      - 1.1.3.1. Description ..... 9
      - 1.1.3.2. Business Process..... 10
    - 1.1.4. Notify Change of Metered Data Responsible (Business Process UseCase)..... 11
      - 1.1.4.1. Description ..... 11
      - 1.1.4.2. Business Process..... 12
  - 1.2. Business Partner View ..... 13
    - 1.2.1. Business Partners Change of Metered Data Responsible ..... 13
    - 1.2.2. Notify Metering Point Characteristics ..... 13
  - 1.3. Business Entity View..... 14
    - 1.3.1. Short introduction ..... 14
    - 1.3.2. Request Change of Metered Data Responsible (Class Diagram)..... 15
      - 1.3.2.1. Request Change of Metered Data Responsible (State Diagram) ..... 16
    - 1.3.3. Confirm Change of Metered Data Responsible (Class Diagram)..... 17
    - 1.3.4. Reject Change of Metered Data Responsible (Class Diagram)..... 19

- 1.3.5. Notify Change of Metered Data Responsible (Class Diagram)..... 21
- 1.3.5.1. Notify Change of Metered Data Responsible (State Diagram)..... 22

## A. About this document

This document is a business requirements specification for the Change of Metered Data Responsible process within the structuring process of the European energy market.

As a general introduction ebIX® has published a separate document “Introduction to ebIX® Business Requirements and Business Information Models” [3]. The introduction also includes the generic model elements that are not specific for a particular business process.

In line with UN/CEFACT Modelling Methodology version 2 (UMM-2) ebIX® defines the business requirements before starting the actual modelling. These requirements have been specified by the ebIX® work group “Customer Switching (CuS)” and are the basis for the Business Information Model, which is published, in a separate document.

The Business Information Model is in turn the basis for the creation of XML schemas and is expected to be the basis for the specification of web services in a next version of the model document. Since ebIX® supports both EDIFACT and XML the model will also serve as the basis for the creation of Message Implementation Guides for the mapping to EDIFACT UNSM’s. The Business Information Model and the syntax specific structures are specified by the ebIX® “Technical Committee” (ETC).

### A.1. Comments to the ebIX® model

If you have comments or suggestions to the requirements please contact any member of the project group or directly to Ove Nesvik, [ove.nesvik@edisys.no](mailto:ove.nesvik@edisys.no).

## A.2. References

### A.2.1. Standards

- [1] UML Profile for UN/CEFACT’s Modelling Methodology (UMM), Base Module 2.0.  
([http://www.unece.org/cefact/umm/umm\\_index.html](http://www.unece.org/cefact/umm/umm_index.html))
- [2] The Harmonized Role Model (for the Electricity Market) by ebIX®, ENTSO-E, and EFET  
([www.ebix.org](http://www.ebix.org))

### A.2.2. ebIX® Documents

- [3] Introduction to ebIX® Business Requirements and Business Information Models  
([www.ebix.org](http://www.ebix.org))
- [4] Recommended Identification Schemes for the European Energy Market ([www.ebix.org](http://www.ebix.org))
- [5] ebIX® Business Requirements for metered data ([www.ebix.org](http://www.ebix.org))
- [6] ebIX® Business Requirements for Notify Metering Point characteristics ([www.ebix.org](http://www.ebix.org))
- [7] ebIX® code lists ([www.ebix.org](http://www.ebix.org))

### A.3. Participants in the project

These Business Requirements as part of the ebIX® Model for the European Energy Market (see [3]) are made in a project with the members of CuS. For a list of members of CuS see [www.ebix.org](http://www.ebix.org) .

### A.4. Main changes since last version

Old	New	Clarification	Date
<b>Draft version 3.2.A</b>			
	Addition of data element definitions	Update of references and textual corrections	20110620
	Data element definitions and introduction	Updated after CuS meeting August 2012	20121012
	General corrections, e.g. text alignment between CuS BRVs	Updated after CuS meeting December 2012	20130114
	General corrections, e.g. text alignment between CuS BRVs	Updated after CuS meeting February 2013	20130603
	General corrections, e.g. text alignment between CuS BRVs	<ul style="list-style-type: none"> <li>• Added a reference to “ebIX® Code lists</li> <li>• Added page shift for level one and two.</li> <li>• Removed actors from the top level UseCase</li> <li>• Renamed Grid User to Grid Customer</li> <li>• Renamed Initiating Role and Requesting Role to Initiator</li> <li>• Renamed Linked Role to Linked Party</li> <li>• Added stereotypes to enumerations</li> <li>• Add separate chapters for UseCases described in external BRV’s</li> <li>• Document names in Upper Camel Case</li> <li>• Rephrased endsWhen and beginsWhen in UseCase Descriptions</li> <li>• Updated links to UN/CEFACT documents</li> <li>• Rephrased post condition text in the top level UseCases</li> <li>• Responding document states are made explicit</li> <li>• State machines are update</li> <li>• In the “Business processes” (Activity diagrams), the end (“Success”) is moved to the recipients swimlane</li> </ul>	20130917

		<ul style="list-style-type: none"> <li>• Customer, Grid Customer and Supply Customer are used consistent</li> <li>• Reference links are shown in brackets</li> <li>• «<b>Business entity</b>» is added where missing</li> <li>• New classes are added for generic entities, such as MP and Meter</li> </ul>	
	General corrections, e.g. spelling errors		20140223
<b>version 3.1.A</b>			
	Layout of document	Updated according to a common ebIX® layout	20110525
	Class diagrams	Updated according to new ebIX® modelling principles	20110525
	Complete review and update	Updated during CuS meeting	20120127
	Review and update	Updated after CuS meeting March 2012	20120404

## 1. Business Requirements View: Change of Metered Data Responsible

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

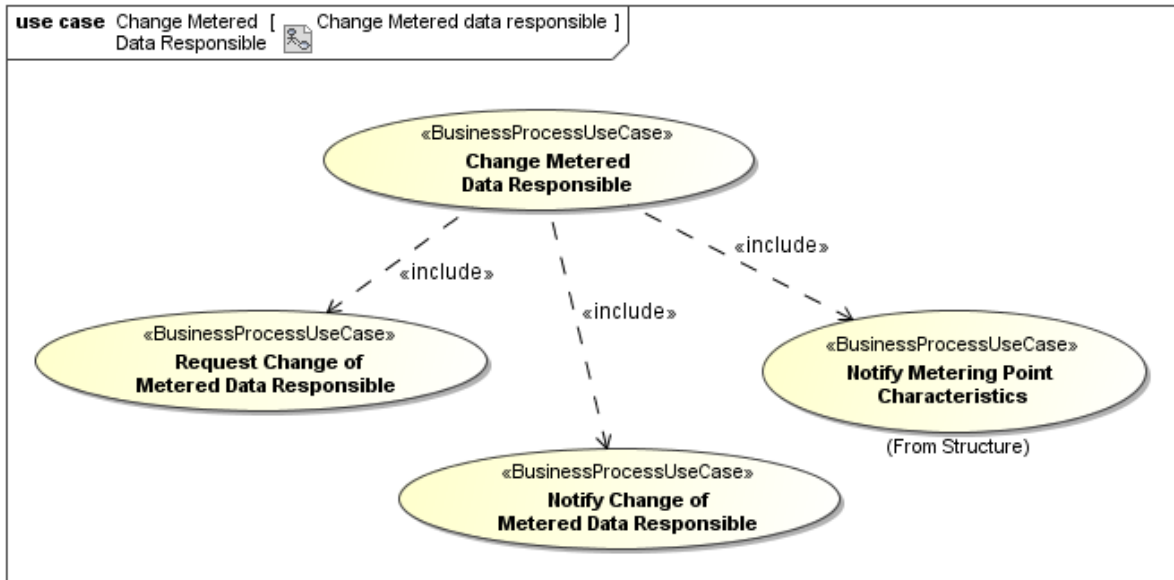


Figure 1 Change of Metered Data Responsible

#### 1.1.1. Description

UseCase description: Change of Metered Data Responsible	
definition	This is the process where a <i>New Metered Data Responsible</i> will be registered in the <i>Metering Point register</i> at the request of the <i>New Metered Data Responsible</i> for the <i>Metering Point</i> . The <i>Metering Point Administrator</i> makes all necessary updates for the change, including notification to <i>Old Metered Data Responsible</i> and distribution of master data for alignment of the business partner databases.
beginsWhen	When the Customer linked to a <i>Metering Point</i> signs a contract with a <i>New Metered Data Responsible</i> , the <i>New Metered Data Responsible</i> initiates the change of <i>Metered Data Responsible</i> process
preCondition	The <i>New Metered Data Responsible</i> has all needed information to be able to request change of <i>Metered Data Responsible</i>
endsWhen	When the request for <i>change of Metered Data Responsible</i> is confirmed or rejected, and if confirmed then all relevant parties are informed about the <i>change of Metered Data Responsible</i> and master data of the <i>Metering Point</i> involved have been distributed to relevant parties

postCondition	The change of <i>Metered Data Responsible</i> is linked to the Metering Point and all relevant parties have aligned master data or (in case of rejection) nothing is changed in the Metering Point register.
exceptions	None
actions	See 1.1.2

### 1.1.2. Business Process

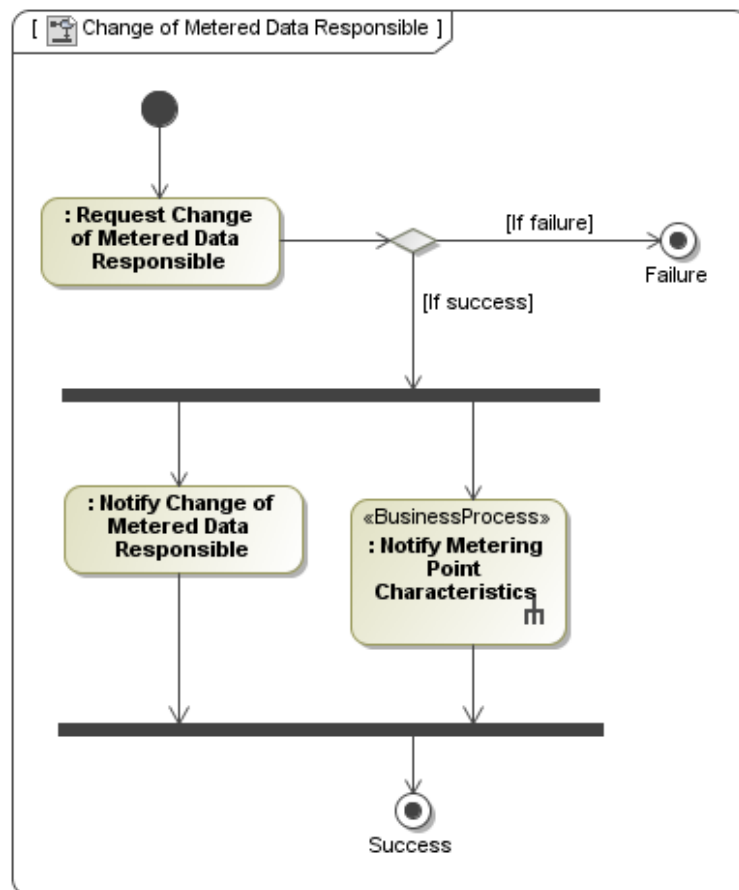


Figure 2 Business Process Change of Metered Data Responsible



### 1.1.3. Request Change of Metered Data Responsible

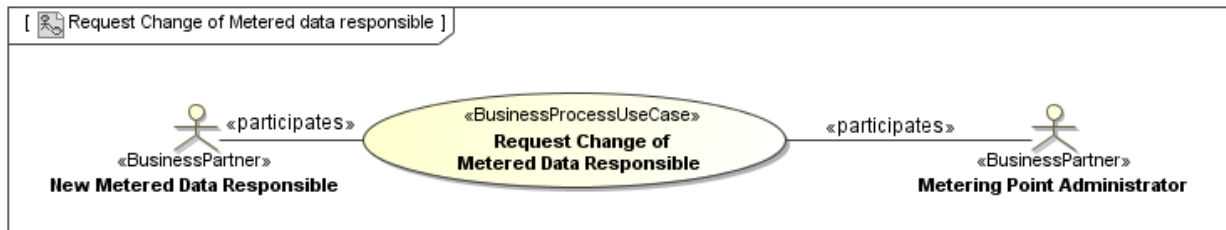


Figure 3 Request Change of Metered Data Responsible

#### 1.1.3.1. Description

UseCase description: Request Change of Metered Data Responsible	
definition	In this process, the new <i>Metered Data Responsible</i> will request the Change of Metered Data Responsible and the <i>Metering Point Administrator</i> confirms or rejects it.
beginsWhen	When the new <i>Metered Data Responsible</i> sends a request for change of Metered Data Responsible (he is contracted by or for the Customer)
preCondition	The requesting <i>Metered Data Responsible</i> has a metering contract in place for the Metering Point
endsWhen	When the request for change of <i>Metered Data Responsible</i> is confirmed or rejected
postCondition	The change of <i>Metered Data Responsible</i> has been confirmed or rejected by the <i>Metering Point Administrator</i> to the requesting <i>Metered Data Responsible</i>
exceptions	none
actions	See 1.1.3.2

### 1.1.3.2. Business Process

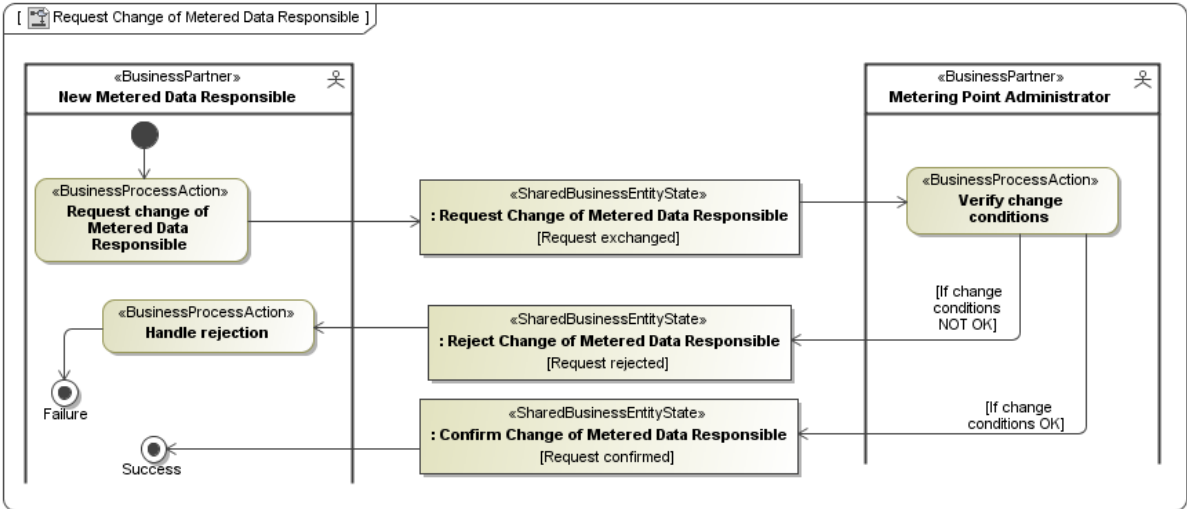


Figure 4 Request Change of Metered Data Responsible

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

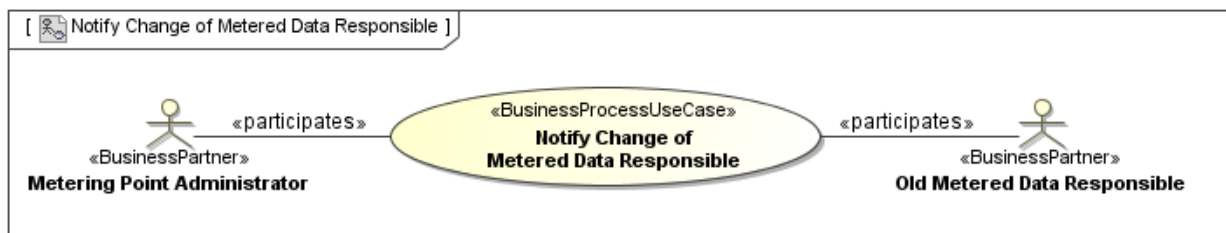


Figure 5 Notify Change of Metered Data Responsible

#### 1.1.4.1. Description

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

### 1.1.4.2. Business Process

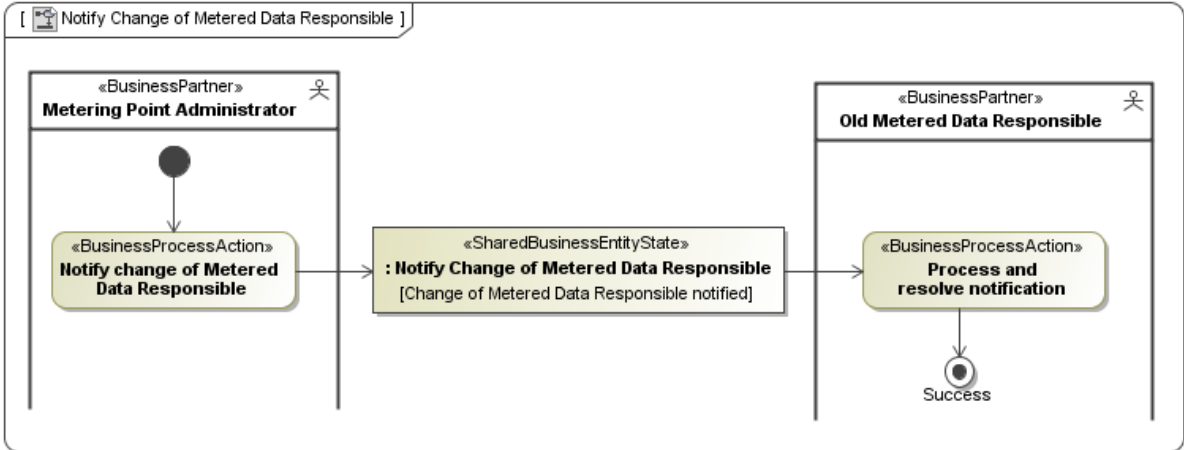


Figure 6 Notify Change of Metered Data Responsible

## 1.2. Business Partner View

### 1.2.1. Business Partners Change of Metered Data Responsible

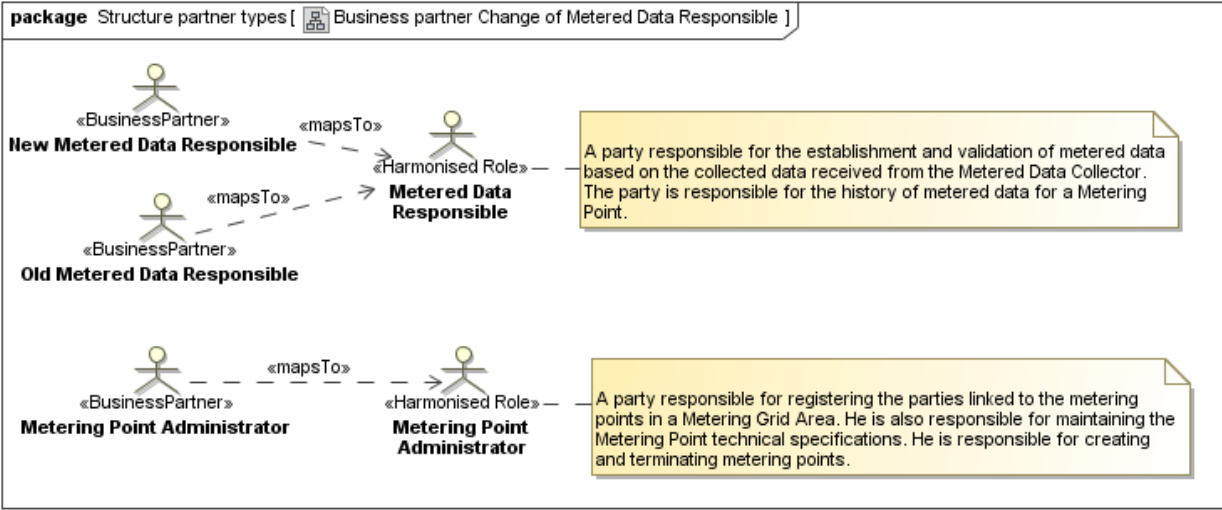


Figure 7 Business Partner Change of Metered Data Responsible

### 1.2.2. Notify Metering Point Characteristics

Notify Metering Point Characteristics is documented in a separate document, see [6]. In this document, the "Linked parties" are specified.

## 1.3. Business Entity View

### 1.3.1. Short introduction

In these business requirements the ebIX® work group CuS has for the first time used the principle of specifying the core data set as business requirements. This core data set is defined as the set of information that is required when using synchronous web services as the exchange mechanism.

The information required for asynchronous web services is added as an option.

Finally, optional information needed to meet national requirements is specified.

For exchange of the core data set, additional information elements must be added to conform to technical exchange standards. However, this is not regarded as a business requirement when defining the core data set, but as a requirement for technical implementation or mapping to syntax. Header and context information are added in the ebIX® Business Information Model.

It is important to note that it is assumed for defining the core data set, that Metering Points are uniquely dedicated to either electricity or to gas. Consequently the specification of the business sector is not part of core data set anymore.

### 1.3.2. Request Change of Metered Data Responsible (Class Diagram)

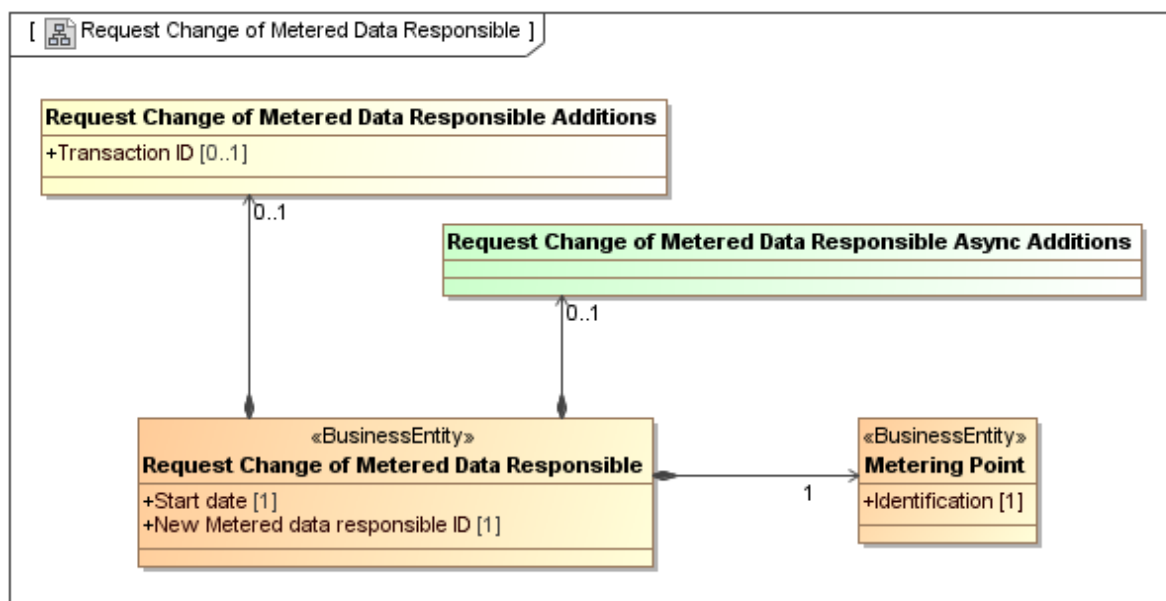


Figure 8 Request Change of Metered Data Responsible

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 Metering point.
New Metered Data Responsible ID	The unique identification of the requested New Metered Data Responsible.
«Business entity» Metering Point	An entity where energy products are measured or computed
Identification	The unique identification of the Metering 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.

1.3.2.1. Request Change of Metered Data Responsible (State Diagram)

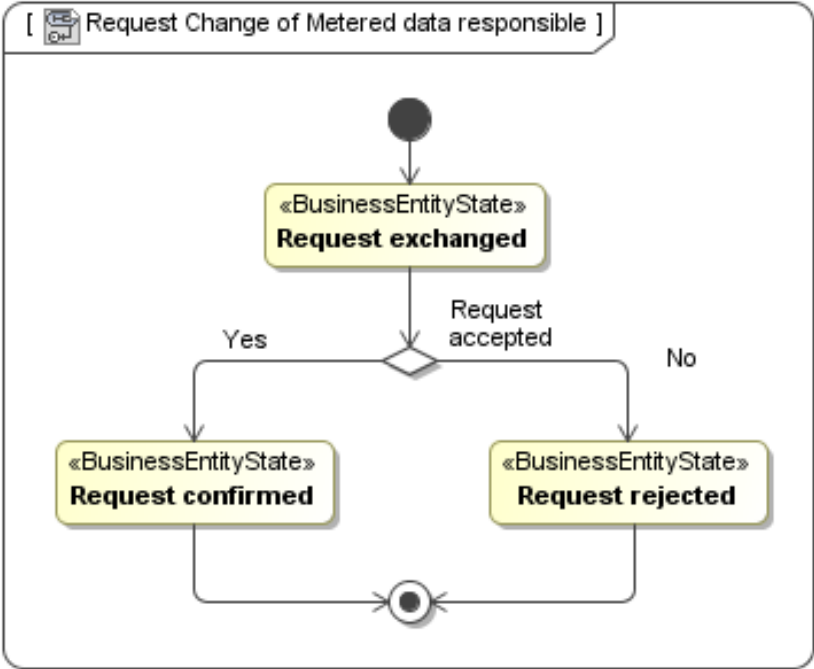


Figure 9 Request Change of Metered Data Responsible



### 1.3.3. Confirm Change of Metered Data Responsible (Class Diagram)

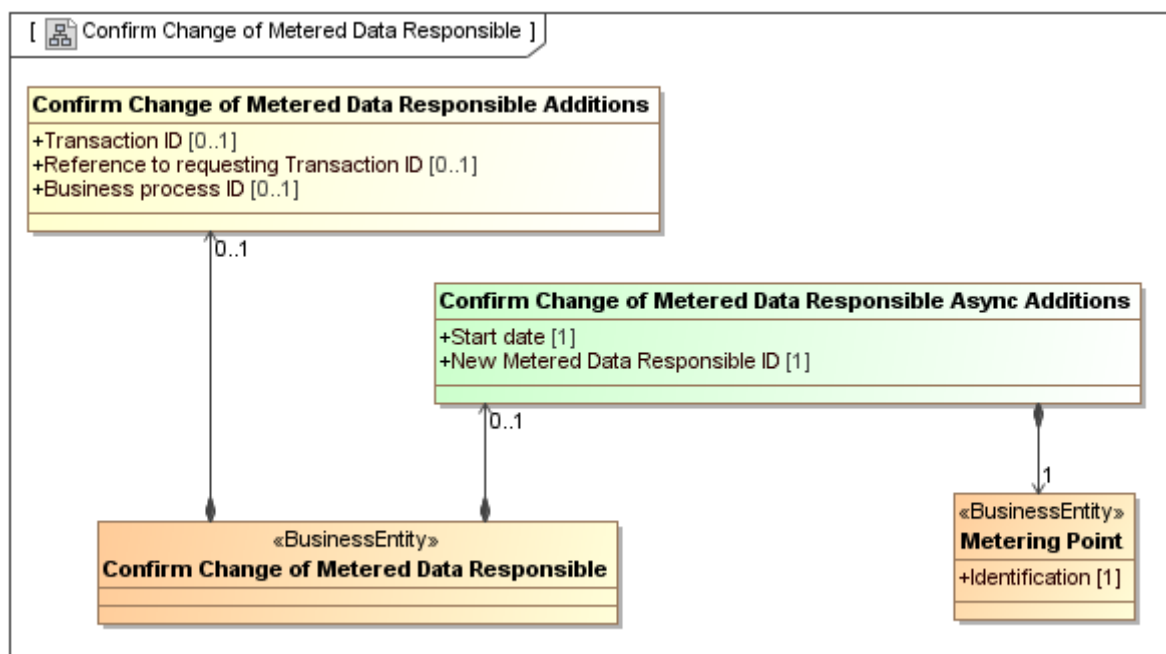


Figure 10 Confirm Change of Metered Data Responsible

Element definitions, Confirm Change of Metered Data Responsible	
«Business entity» Confirm Change of Metered Data Responsible	The information set sent by the Metering Point Administrator to the requesting Metered Data Responsible to confirm this change of Metered Data Responsible.
«Business entity» Metering Point	An entity where energy products are measured or computed
Identification	The unique identification of the Metering Point this change of Metered Data Responsible is confirmed for.
Confirm 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.
Reference to requesting Transaction ID	The Transaction ID from the request given by the requesting Metered Data Responsible.
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.
Confirm Change of Metered Data Responsible Async Additions	Information related to the confirmation of change of Metered Data Responsible, needed when using an asynchronous communication.
Start date	The confirmed date for the New Metered Data Responsible.

---

New Metered Data Responsible ID	The unique identification of the new Metered Data Responsible to take over the metered data responsibility for this Metering point.
---------------------------------	---

### 1.3.4. Reject Change of Metered Data Responsible (Class Diagram)

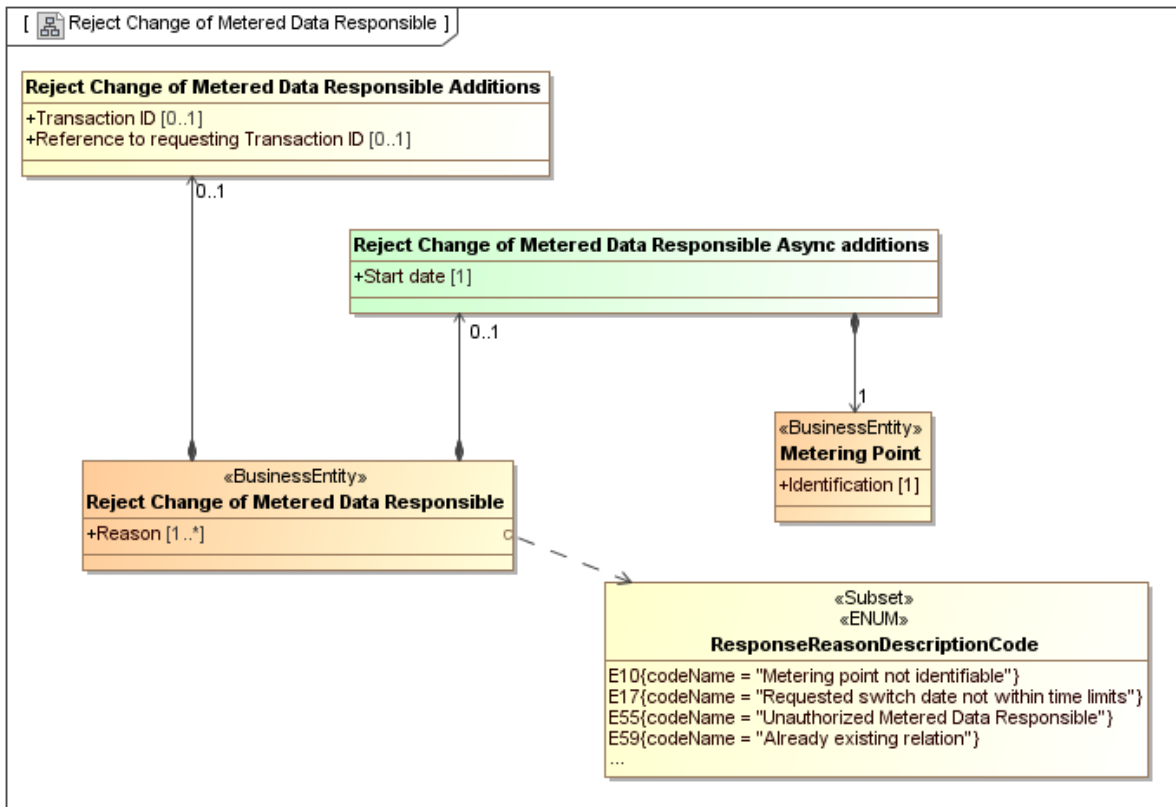


Figure 11 Reject Change of Metered Data Responsible

Element definitions, Reject Change of Metered Data Responsible	
«Business entity» Reject 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.
«Business entity» Metering Point	An entity where energy products are measured or computed
Identification	The unique identification of the Metering Point this change of Metered Data Responsible is rejected for.
Reject 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.
Reference to requesting Transaction ID	The Transaction ID from the request given by the requesting Metered Data Responsible.

Reject Change of Metered Data Responsible Async Additions	Additional information, related to the change of Metered Data Responsible, needed when using asynchronous communication.
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)

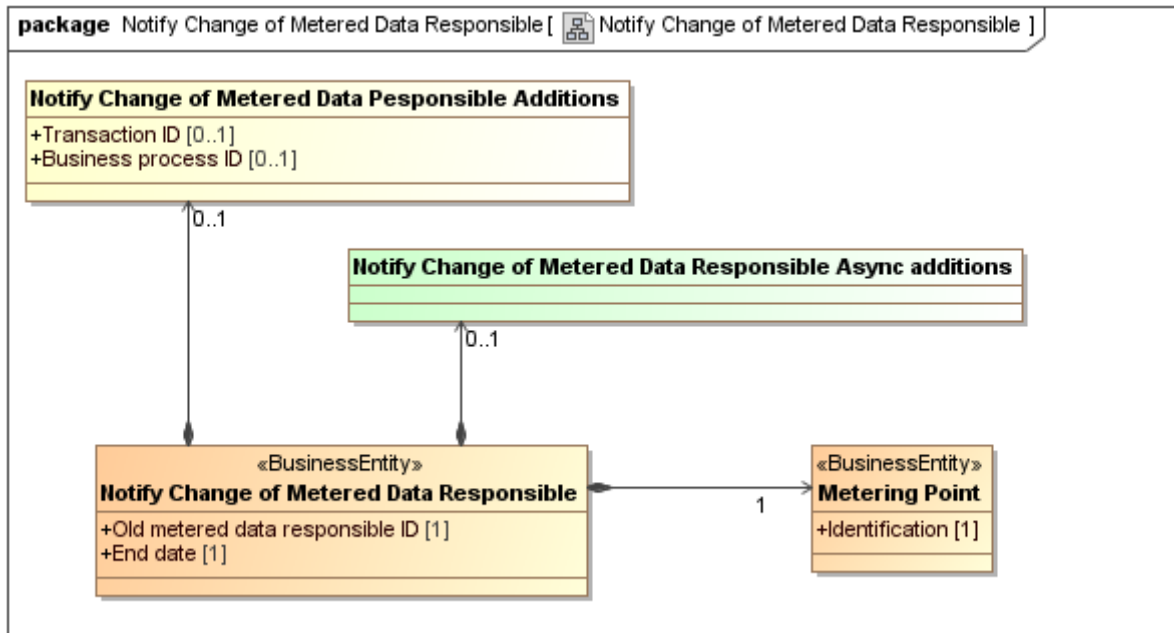


Figure 12 Notify Change of Metered Data Responsible

Element definitions, Notify Change of Metered Data Responsible	
<b>«Business entity»</b> 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 Metering Point at 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 Metering point.
<b>«Business entity»</b> Metering Point	An entity where energy products are measured or computed
Identification	The unique identification of the Metering 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.
---	--

1.3.5.1. Notify Change of Metered Data Responsible (State Diagram)

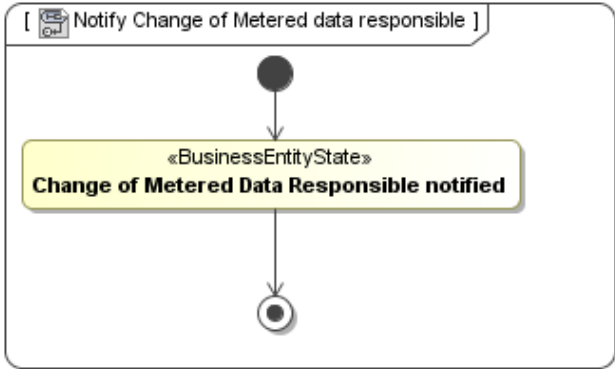


Figure 13 Notify Change of Metered Data Responsible