Business Requirements

for

Change of Balance Responsible Party

Status:	Approved by ebIX® Forum
Version:	4.0
Revision:	C
Date:	December 2023

C O N T E N T

A. About this document 4
A.1. References 4
A.1.1. Standards 4
A.1.2. ebIX® Documents 4
A.2. Main changes since last version 5

1. Business Requirements View: Change of Balance Responsible Party 6
1.1. Change of Balance Responsible Party (Business Process UseCase) 6
1.1.1. Description 6
1.1.2. Business Process 7
1.1.3. Request change of Balance Responsible Party 8
1.1.3.1. Description 8
1.1.3.2. Business Process 9
1.1.4. Notify change of Balance Responsible Party (Business Process UseCase) 10
1.1.4.1. Description 10
1.1.4.2. Business Process 11
1.1.5. Notify Accounting Point Characteristics 12
1.1.6. Determine Meter Read 12
1.2. Business Partner View 13
1.2.1. Business Partners change of Balance Responsible Party 13
1.3. Business Entity View 14
1.3.1. Request change of Balance Responsible Party (Class Diagram) 15
1.3.1.1. Element definitions: Request change of Balance Responsible Party 15
1.3.2. Confirm request change of Balance Responsible Party (Class Diagram) 16
1.3.2.1. Element definitions: Confirm request change of Balance Responsible Party 16
1.3.3. Reject request change of Balance Responsible Party (Class Diagram) 18
1.3.3.1. Element definitions: Reject request change of Balance Responsible Party 18
1.3.4. Notify change of BRP to New BRP and Other Affected Party (Class Diagram) 20

1.3.4.1. Element definitions: Notify change of BRP to New BRP and Other Affected Party 20

1.3.5. Notify change of Balance Responsible Party to the Old Balance Responsible Party (Class Diagram) 22

1.3.5.1. Element definitions: Notify change of Balance Responsible Party to the Old Balance Responsible Party 22

Appendix A. Header and context information for the class diagrams 24

A.1. Header and Context Information attributes definitions 24

A.2. Request change of Balance Responsible Party 24

A.3. Confirm request change of Balance Responsible Party 25

A.4. Reject request change of Balance Responsible Party 25

A.5. Notify change of BRP to New BRP and Other Affected Party 26

A.6. Notify change of BRP Old BRP 26

A. About this document

This document is a Business Requirements Specification (BRS) for Change of Balance Responsible Party 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 [3].

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	• Harmonised the introduction with other ebIX® BRSs. • Moved Reference to requesting Transaction ID to Async Additions. • Hiding attributes from the root class in Appendix A, to make the class diagrams more readable. • Update of roles to be in line with the ebIX®, EFET and ENTSO-E Harmonised Electricity Market Role Model version 2022-01. • Correction of spelling errors.	20230815
4.0.B	4.0.C	• Since ebIX® is closing down from the end of 2023, the link to the ebIX® secretary has been removed.	20231212

1. Business Requirements View: Change of Balance Responsible Party

1.1. Change of Balance Responsible Party (Business Process UseCase)

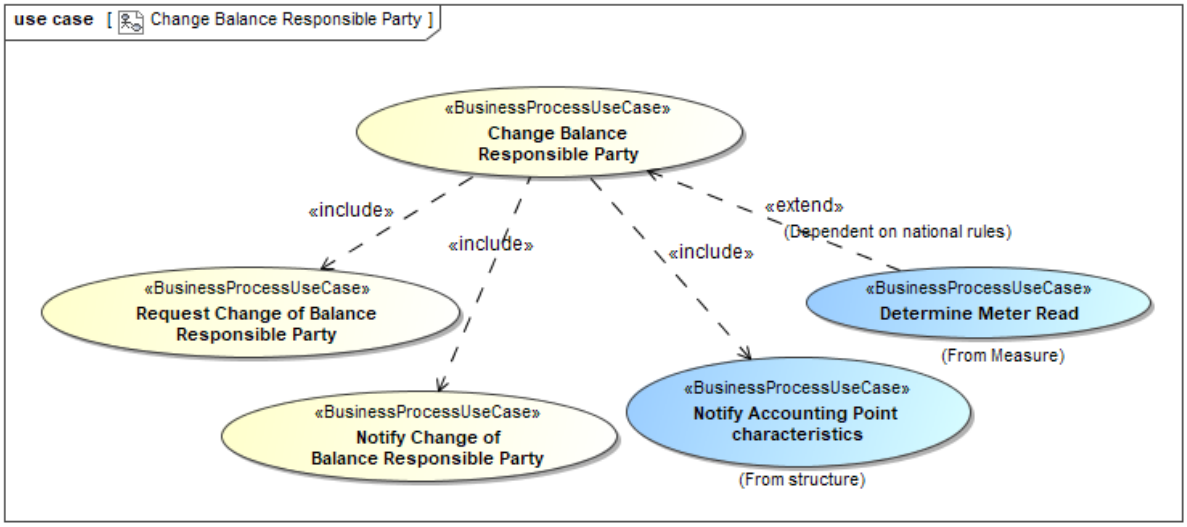

Figure 1 UseCase diagram: Change of Balance Responsible Party

1.1.1. Description

UseCase description: Change of Balance Responsible Party	
definition	This is the process where a New Balance Responsible Party will be registered in the Metering Point administration at the request of the Energy Supplier for the Accounting Point. The Metering Point Administrator confirms the request, makes all necessary updates for the change, informs Affected Parties including distribution of master data for alignment. Depending on national rules or needs of the involved parties, meter reads for the change of Balance Responsible Party may have been determined and communicated.
beginsWhen	When the Energy Supplier decides to change the Balance Responsible Party for the Accounting Point.
preCondition	The Energy Supplier supplies the Accounting Point. The New Balance Responsible Party is authorised.
endsWhen	When the change of Balance Responsible Party is confirmed, and Affected Parties have been notified, Linked Parties have received master data and if applicable, meter reads have been determined and communicated.
postCondition	The New Balance Responsible Party is linked to the Metering Point and all Affected Parties have been informed and Linked Parties have aligned

	master data. Depending on rules or needs the Affected Parties may have received meter reads for the change of Balance Responsible Party.
exceptions	The request is rejected by the Metering Point Administrator. The change of Balance Responsible Party may at a national level be handled by other roles than the Energy Supplier, such as the Balance Responsible Party itself or the Party Connected to the Grid.
actions	See 1.1.2

1.1.2. Business Process

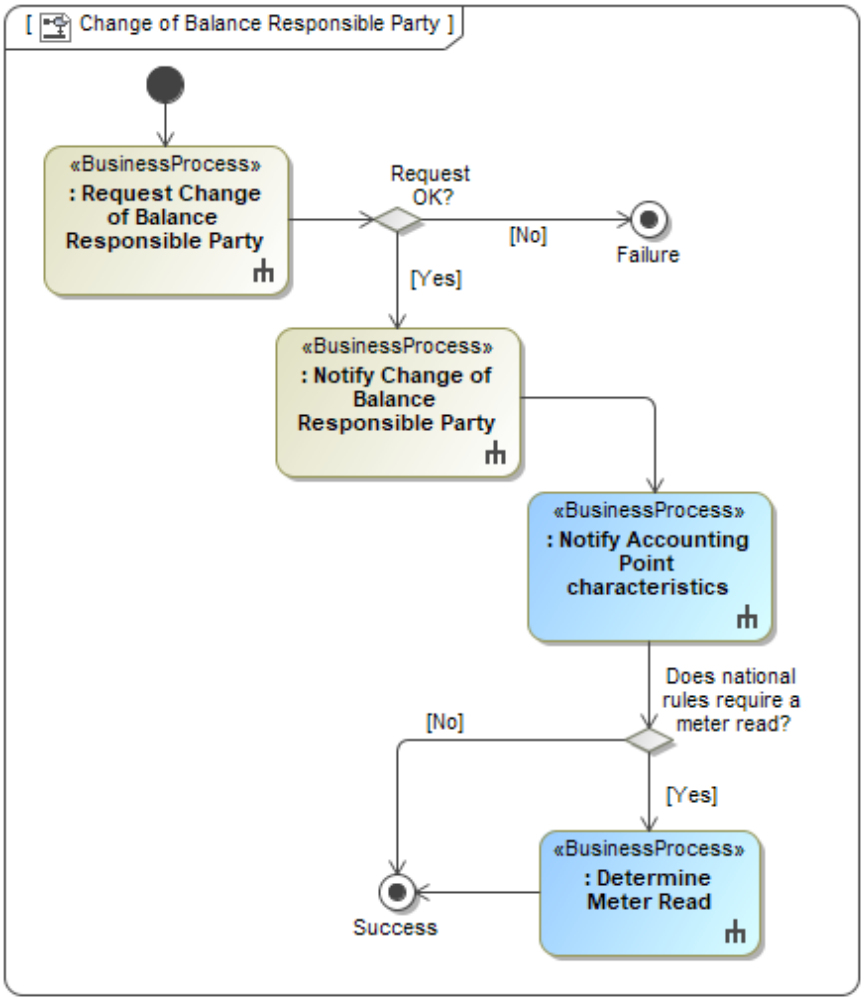

Figure 2 Business Process: Change of Balance Responsible Party

1.1.3. Request change of Balance Responsible Party

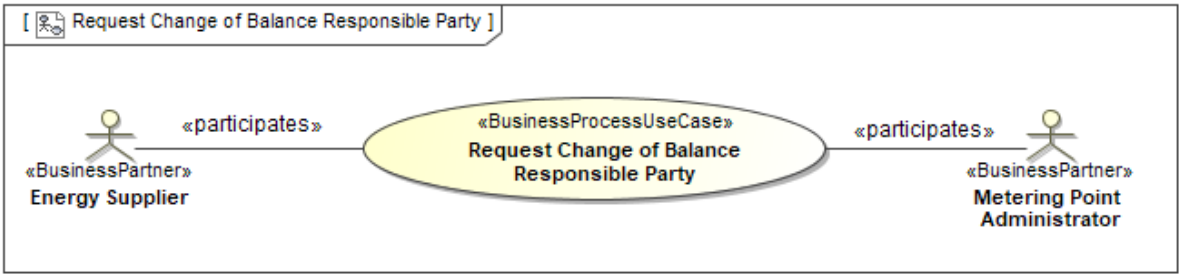

Figure 3 UseCase diagram: Request change of Balance Responsible Party

1.1.3.1. Description

UseCase description: Request change of Balance Responsible Party	
definition	In this process the Energy Supplier requests a change of Balance Responsible Party for an Accounting Point and the Metering Point Administrator confirms it.
beginsWhen	When the Energy Supplier decides to change the Balance Responsible Party for an Accounting Point and sends a request to the Metering Point Administrator.
preCondition	The Energy Supplier is linked to the Accounting Point. The New Balance Responsible Party is licenced
endsWhen	When the request for change of Balance Responsible Party is confirmed.
postCondition	The request for change of Balance Responsible Party has been administered by the Metering Point Administrator and confirmed to the Energy Supplier.
exceptions	The request is rejected by the Metering Point Administrator. The change of Balance Responsible Party may at a national level be handled by other roles than the Energy Supplier, such as the Balance Responsible Party itself or the Party Connected to the Grid.
actions	See 1.1.3.2

1.1.3.2. Business Process

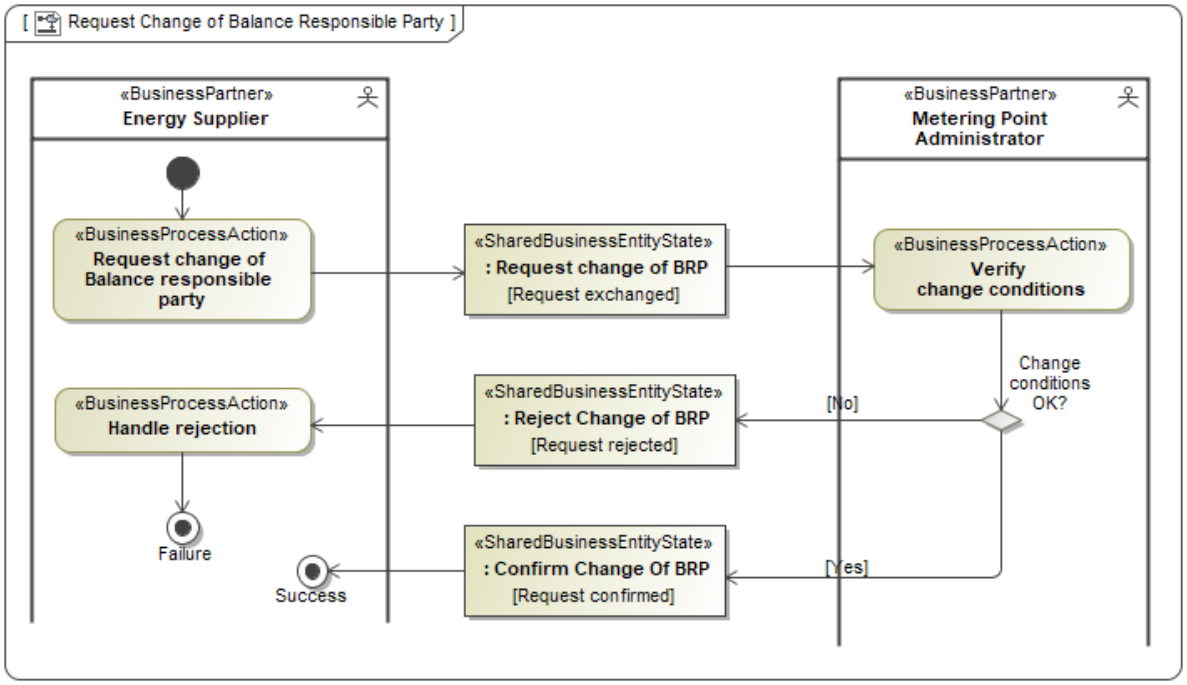

Figure 4 Business process: Request change of Balance Responsible Party

1.1.4. Notify change of Balance Responsible Party (Business Process UseCase)

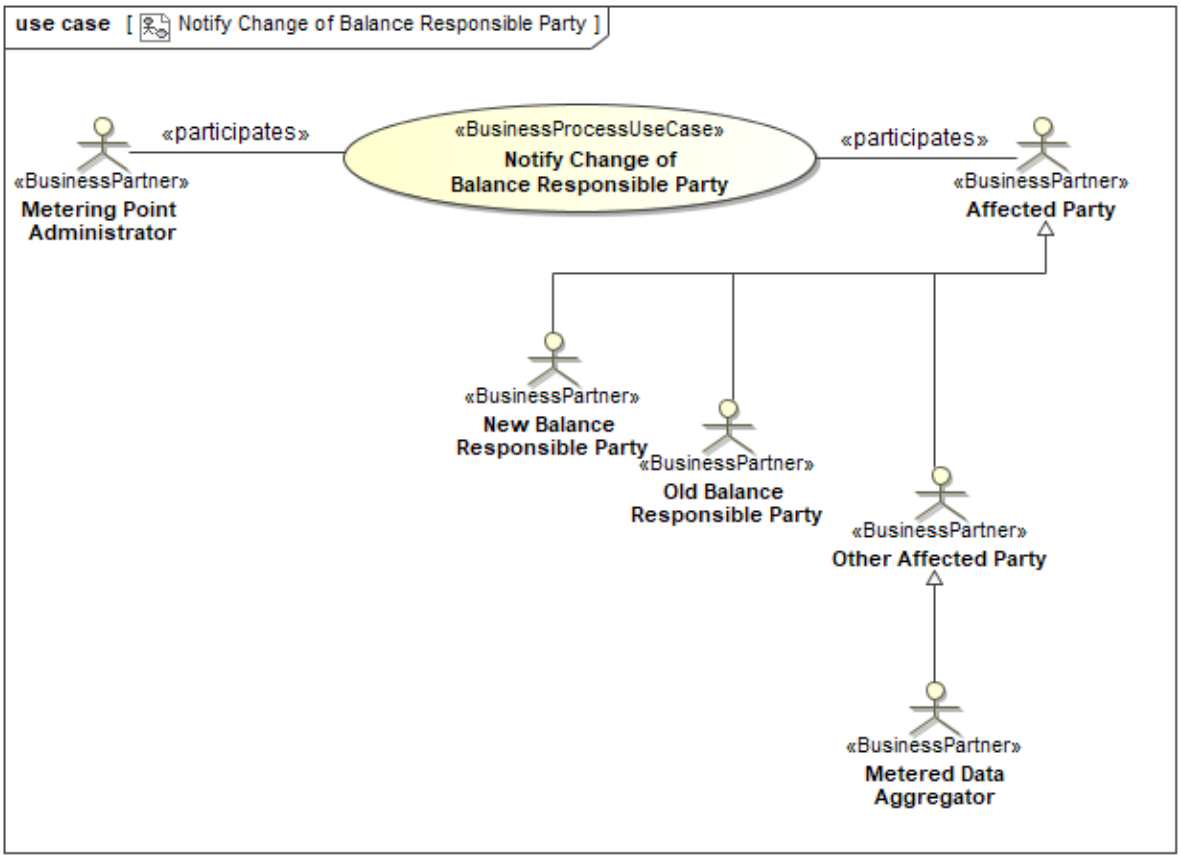

Figure 5 UseCase diagram: Notify change of Balance Responsible Party

1.1.4.1. Description

UseCase description: Notify change of Balance Responsible Party	
definition	The Metering Point Administrator notifies the Affected Parties, i.e. New and the Old Balance Responsible Party and other Affected Parties about the change of Balance Responsible Party for the specified Accounting Point.
beginsWhen	When the change of Balance Responsible Party has been confirmed by the Metering Point Administrator, depending on national rules
preCondition	The request change of Balance Responsible Party has been confirmed by the Metering Point Administrator.
endsWhen	When the Old and the New Balance Responsible Parties and other Affected Parties have received the notification.

postCondition	The change of Balance Responsible Party has been notified to the Old and the New Balance Responsible Parties and other Affected Parties.
exceptions	None
actions	See 1.1.4.2

1.1.4.2. Business Process

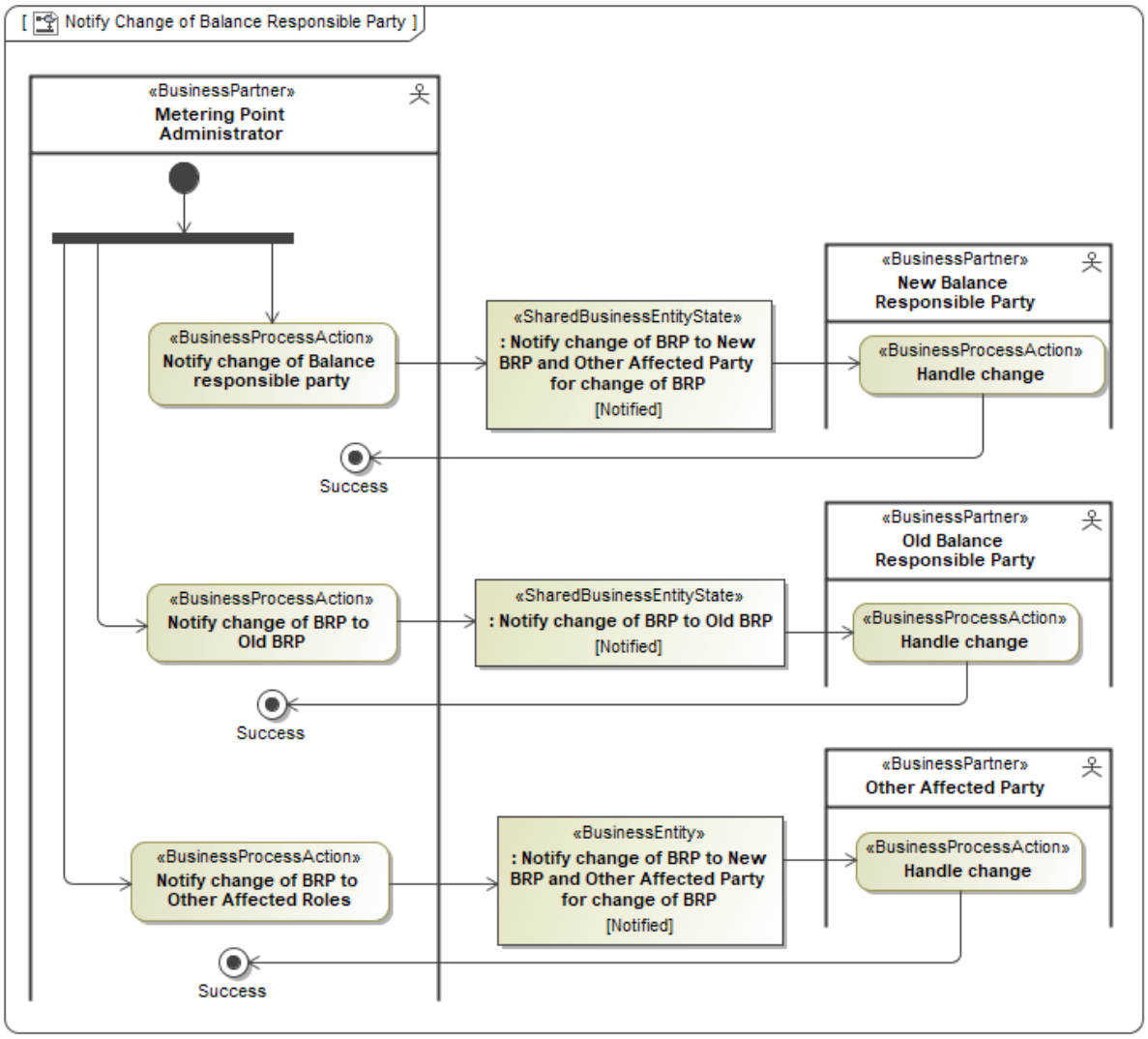

Figure 6 Business process: Notify change of Balance Responsible Party

1.1.5. Notify Accounting Point Characteristics

In order for all Linked Parties 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 Parties” are specified.

1.1.6. Determine Meter Read

Optionally there may be a need for the Energy Supplier and/or involved Balance Responsible Parties, or based on national rules, to determine a meter read for the change of Balance Responsible Party. The Process Area Determine Meter Read is documented in the ebIX® model Measure [7].

1.2. Business Partner View

1.2.1. Business Partners change of Balance Responsible Party

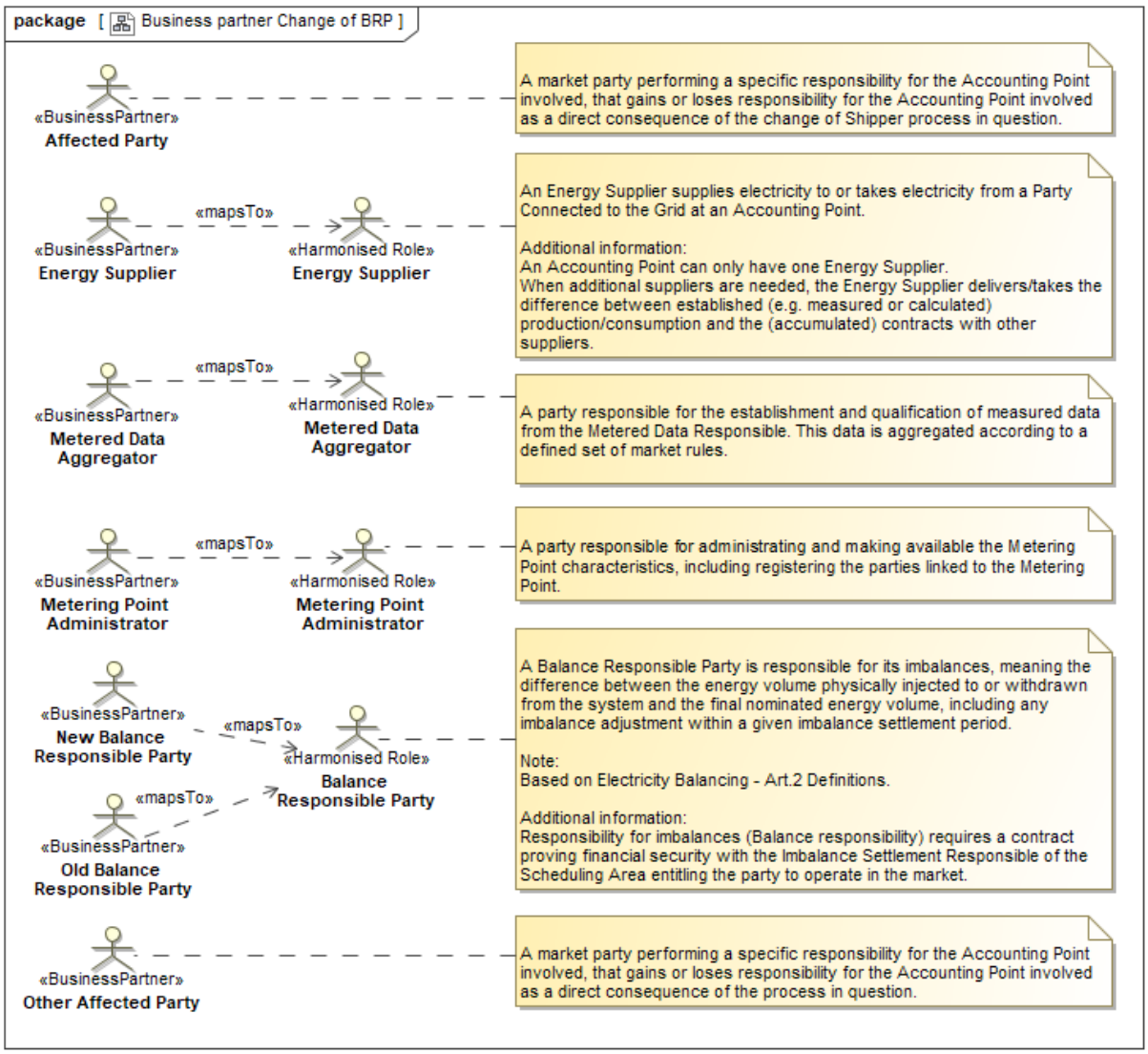

Figure 7 Business Partners: Change of Balance Responsible Party

1.3. Business Entity View

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

1.3.1. Request change of Balance Responsible Party (Class Diagram)

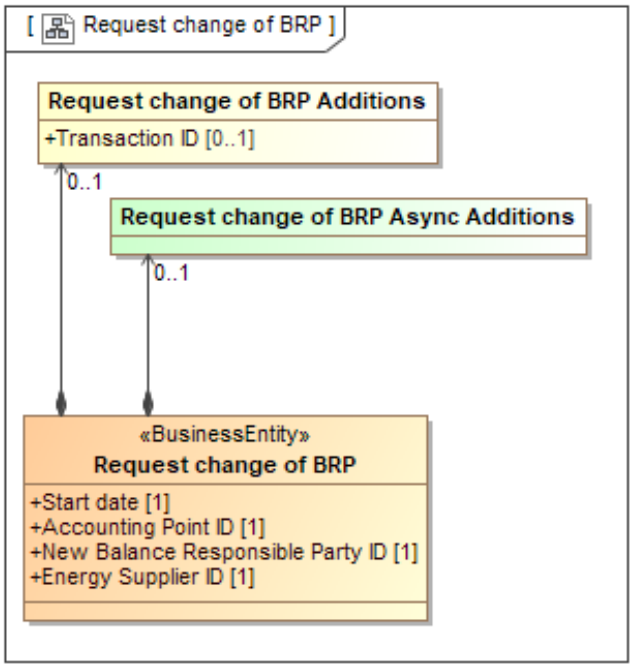

Figure 8 Class diagram: Request change of Balance Responsible Party

1.3.1.1. Element definitions: Request change of Balance Responsible Party

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

1.3.2. Confirm request change of Balance Responsible Party (Class Diagram)

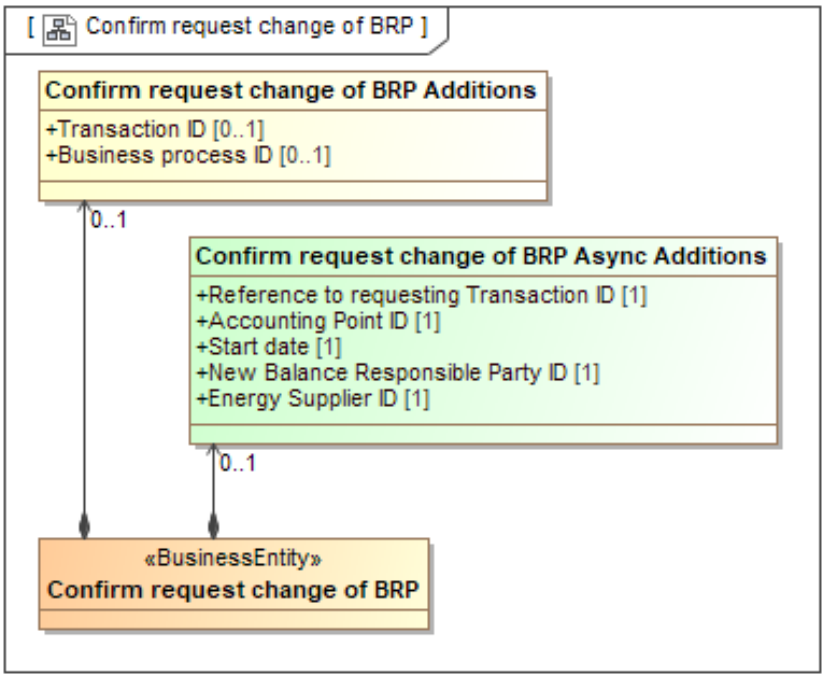

Figure 9 Class diagram: Confirm request change of Balance Responsible Party

1.3.2.1. Element definitions: Confirm request change of Balance Responsible Party

«Business entity» Confirm request change of Balance Responsible Party	The information set sent by the Metering Point Administrator to the requesting Energy Supplier to confirm this change of Balance Responsible Party.
Confirm request change of Balance Responsible Party Async Additions	Information related to the confirmation of change of Balance Responsible Party, needed when using an asynchronous communication.
Reference to requesting Transaction ID	The Transaction ID from the request given by the requesting Energy Supplier.
Accounting Point ID	The unique identification of the Accounting Point this change of Balance Responsible Party is confirmed for.
Start date	The confirmed date for the New Balance Responsible Party to take over the balance responsibility for this Accounting Point.
New Balance Responsible Party ID	The unique identification of the confirmed New Balance Responsible Party.
Energy Supplier ID	The unique identification of the requesting Energy Supplier.
Confirm request change of Balance Responsible Party Additions	Information related to confirmation of change of Balance Responsible Party 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 request change of Balance Responsible Party process that this response is part of.

1.3.3. Reject request change of Balance Responsible Party (Class Diagram)

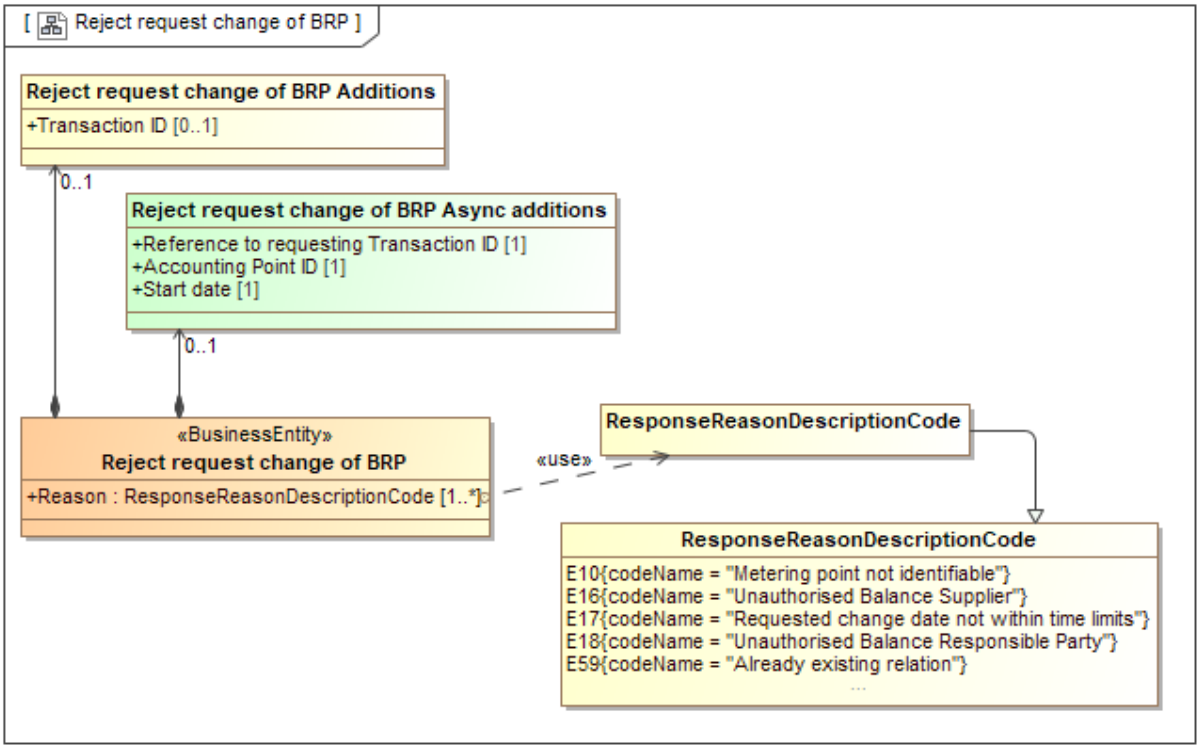

Figure 10 Class diagram: Reject request change of Balance Responsible Party

1.3.3.1. Element definitions: Reject request change of Balance Responsible Party

«Business entity» Reject request change of Balance Responsible Party	The information set sent by the Metering Point Administrator to the requesting Energy Supplier to reject this change of Balance Responsible Party.
Reason	A code specifying the reason for the rejection of the request change of Balance Responsible Party.
Reject request change of Balance Responsible Party Additions	Information related to rejection of change of Balance Responsible Party, 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 Balance Responsible Party Async Additions	Additional information, related to the change of Balance Responsible Party, needed when using asynchronous communication.
Reference to requesting Transaction ID	The Transaction ID from the request given by the requesting Energy Supplier.
Accounting Point ID	The unique identification of the Accounting Point this change of Balance Responsible Party is rejected for.
Start date	The requested date for the change of Balance Responsible Party that is rejected.

1.3.4. Notify change of BRP to New BRP and Other Affected Party (Class Diagram)

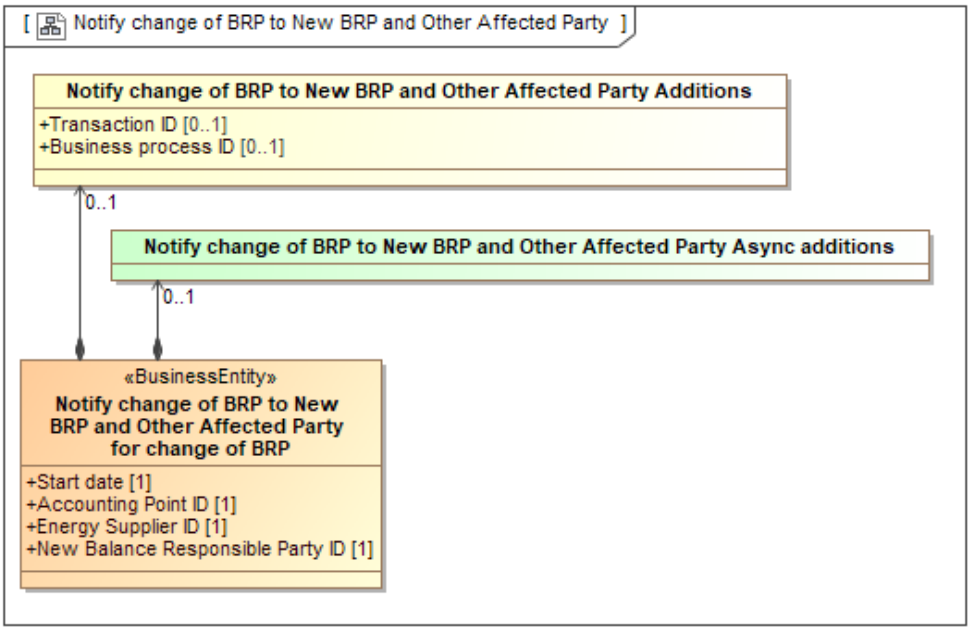

Figure 11 Class diagram: Notify change of BRP to New BRP and Other Affected Party

1.3.4.1. Element definitions: Notify change of BRP to New BRP and Other Affected Party

«Business entity» Notify change of BRP to New BRP and Other Affected Party	The information set sent by the Metering Point Administrator to the New Balance Responsible Party and Other Affected Party to notify this change of Balance Responsible Party.
Start date	The date for the New Balance Responsible Party to take over the balance responsibility for this Accounting Point.
Accounting Point ID	The unique identification of the Accounting Point this change of Balance Responsible Party is notified for.
Energy Supplier ID	The unique identification of the Energy Supplier that is responsible for supplying the Accounting Point.
New Balance Responsible Party ID	The unique identification of the New Balance Responsible Party that takes over the balance responsibility for this Accounting Point.
Notify change of BRP to New BRP and Other Affected Party Additions	Additional information, related to the notification of change of Balance Responsible Party, to the New Balance Responsible Party and the Other Affected Party, 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 Balance Responsible Party process that this notification is a part of.

Accounting Point ID	The unique identification of the Accounting Point this change of Balance Responsible Party is notified for.
Notify change of BRP to New BRP and Other Affected Party Async Additions	Additional information, related to the Notify change of Balance Responsible Party, when using asynchronous communication, however not used in this notification.

1.3.5. Notify change of Balance Responsible Party to the Old Balance Responsible Party (Class Diagram)

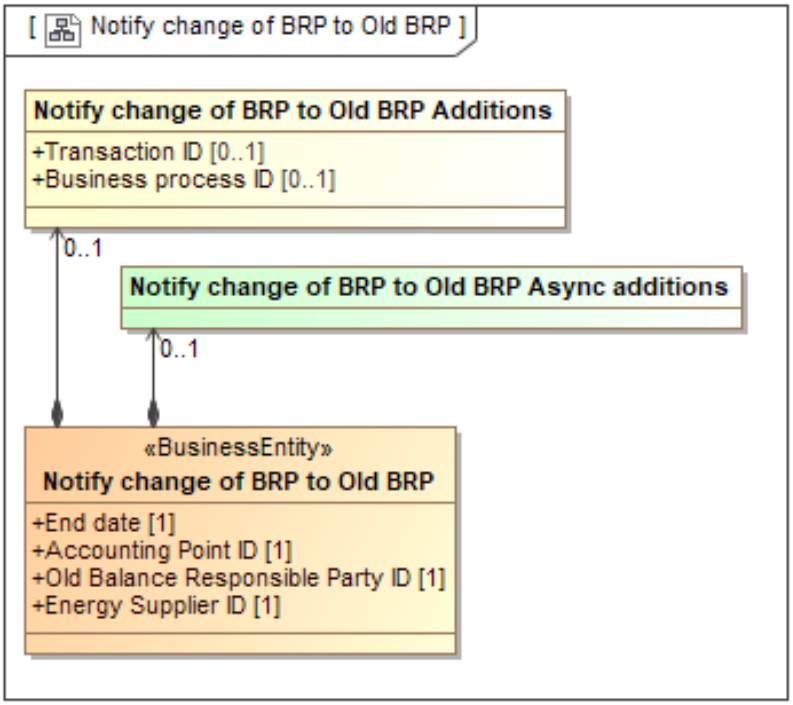

Figure 12 Class diagram: Notify change of Balance Responsible Party to the Old Balance Responsible Party

1.3.5.1. Element definitions: Notify change of Balance Responsible Party to the Old Balance Responsible Party

«Business entity» Notify change of Balance Responsible Party to Old Balance Responsible Party	The information set sent by the Metering Point Administrator to the Old Balance Responsible Party to notify this change of Balance Responsible Party.
End date	The date from when the Old Balance Responsible Party no longer has the balance responsibility for this Accounting Point.
Accounting Point	The unique identification of the Accounting Point this change of Balance Responsible Party is notified for.
Old Balance Responsible Party ID	The unique identification of the Old Balance Responsible Party that no longer has the balance responsibility for this Accounting Point.
Energy Supplier ID	The unique identification of the Energy Supplier that is responsible for supplying the Accounting Point.
Notify change of Balance Responsible Party to Old Balance Responsible Party Additions	Additional information, related to the notification of change of Balance Responsible Party, to the Old Balance Responsible Party, 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 Balance Responsible Party process that this notification is a part of.
Notify change of Balance Responsible Party to Old Balance Responsible Party Async Additions	Additional information, related to the Notify change of Balance Responsible Party, to the Old Balance Responsible Party, when using asynchronous communication, however not used in this notification.

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 Balance Responsible Party

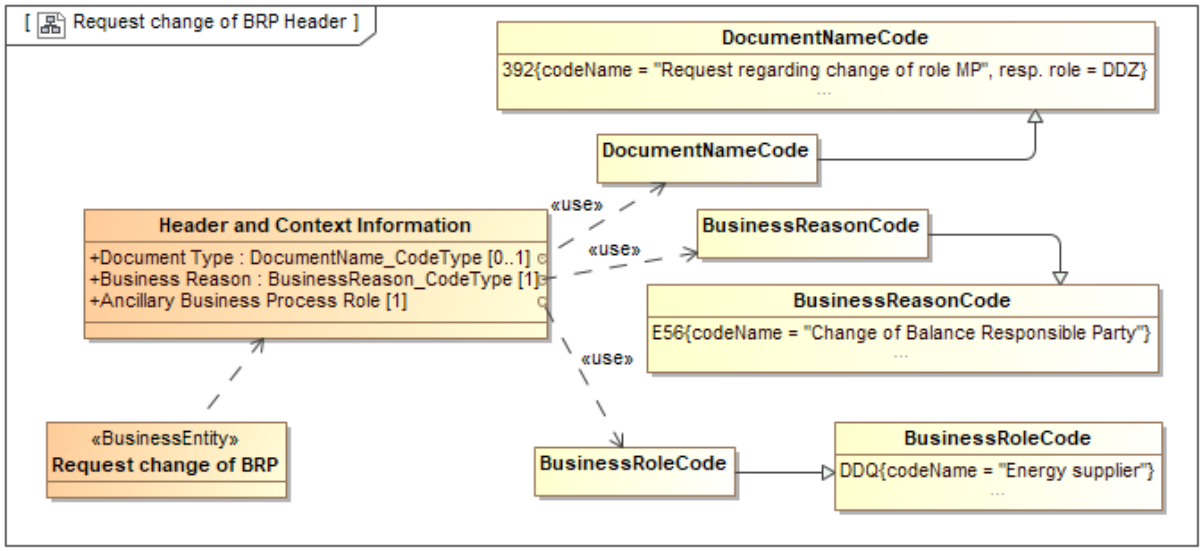

Figure 13 Class diagram: Header and Context Information: Request change of Balance Responsible Party

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

A.3. Confirm request change of Balance Responsible Party

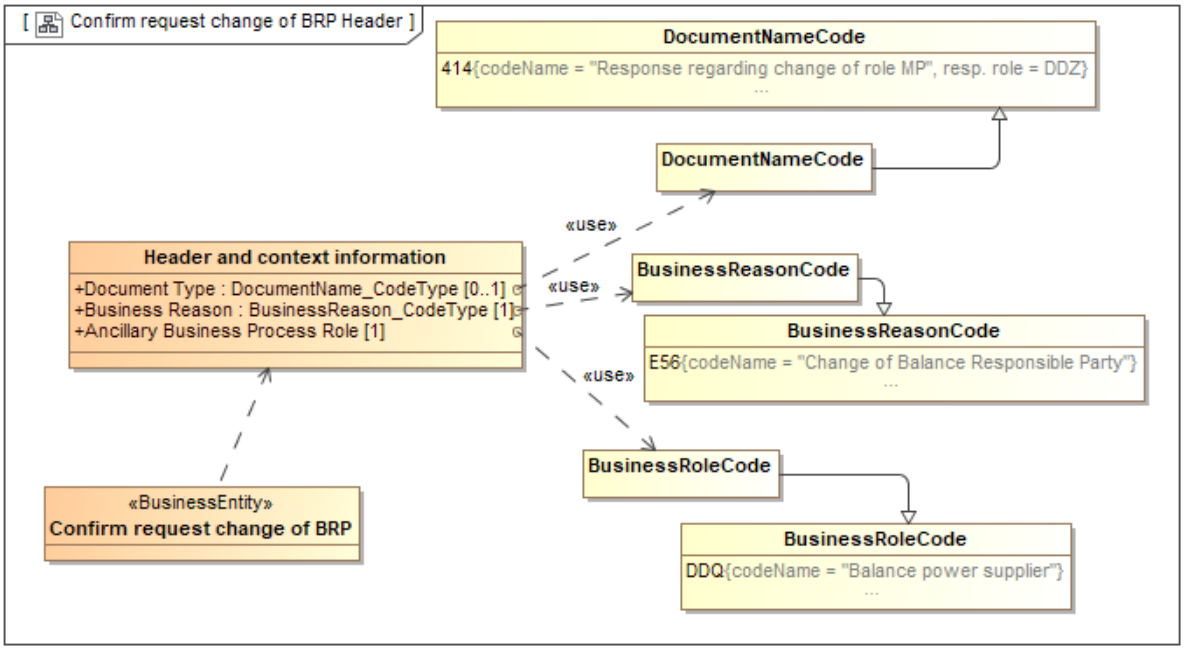

Figure 14 Class diagram: Header and Context Information: Confirm request change of Balance Responsible Party

A.4. Reject request change of Balance Responsible Party

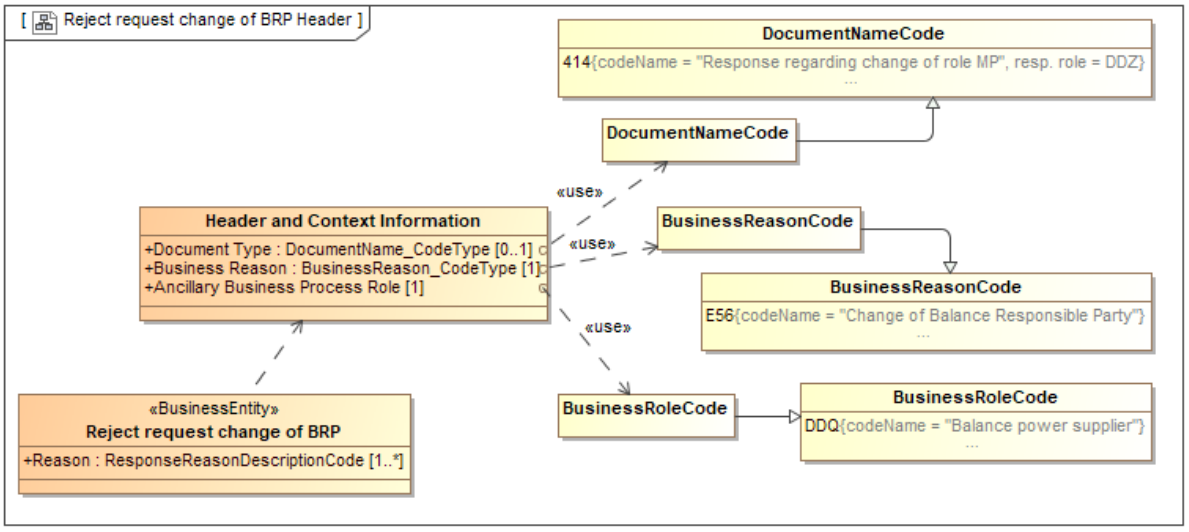

Figure 15 Class diagram: Header and Context Information: Reject request change of Balance Responsible Party

A.5. Notify change of BRP to New BRP and Other Affected Party

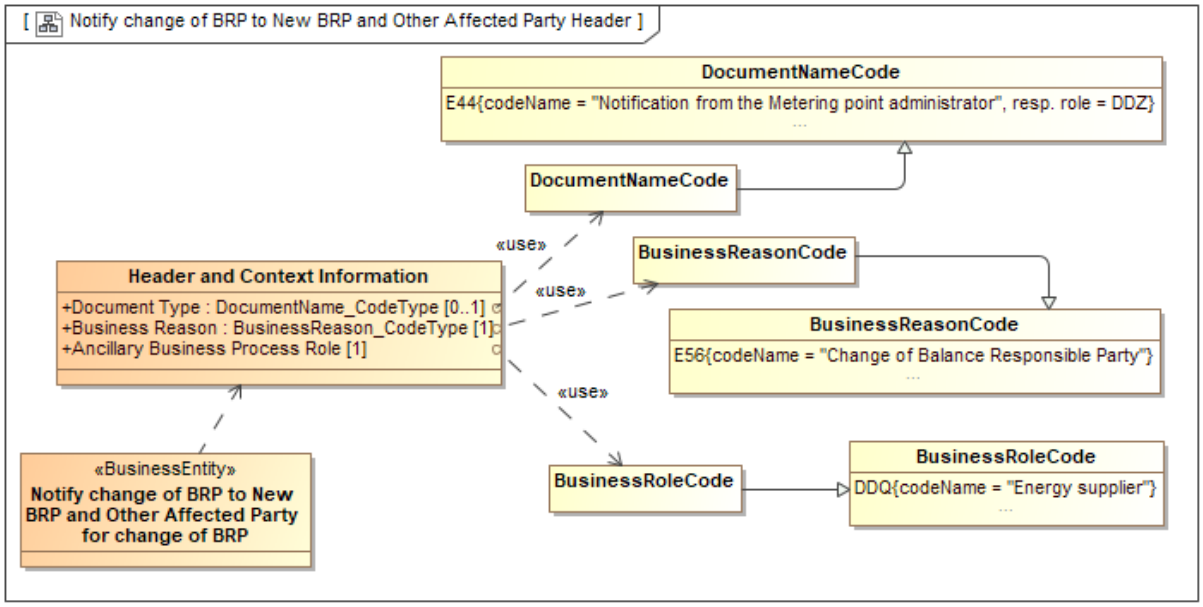

Figure 16 Class diagram: Header and Context Information: Notify change of BRP to New BRP and Other Affected Party

A.6. Notify change of BRP Old BRP

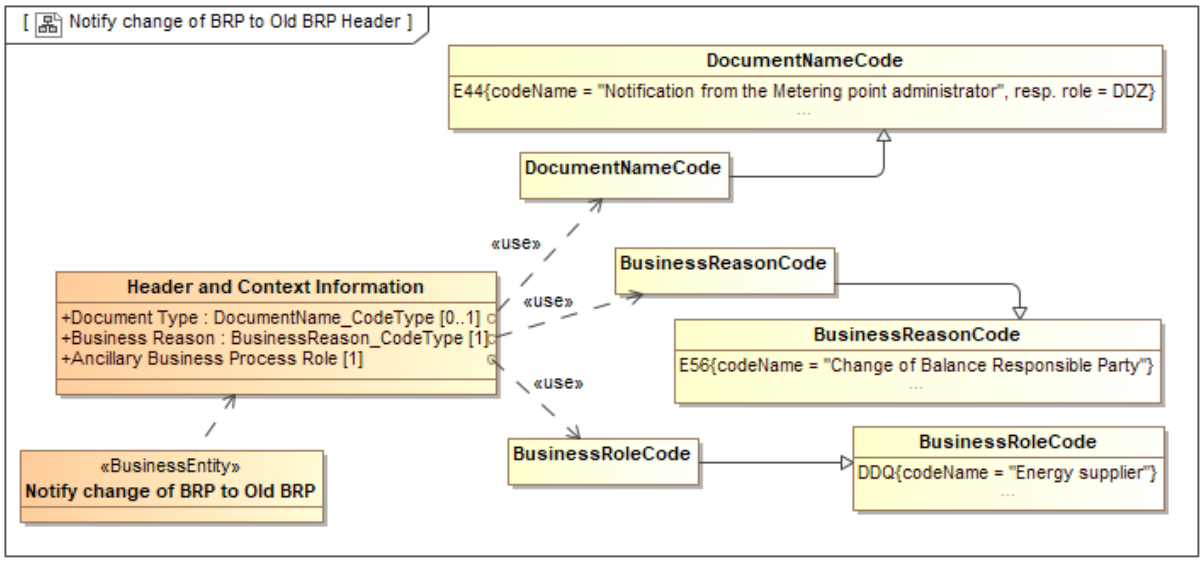

Figure 17 Class diagram: Header and Context Information: Notify change of BRP to Old BRP