TLP:
WHITE

BRS
Measurement Data for Small Connections (small consumption)

Please note: the Dutch version is leading.

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Version 2.0
Status Definitive

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1 Colophon

1.1 Version history

Version	Status	Date	Highlight/changes	Distribution
0.1	Draft	30-04-2024	Set-up initial document with the use cases	Messaging team MFFBAS
0.15	Draft	16-05-2024	For review use cases by the Messaging Team	Messaging team MFFBAS
0.3	Draft	19-06-2024	For review by the Messaging Team	Messaging team MFFBAS
0.6	Draft	20-06-2024	Version for peer review	Messaging team MFFBAS
0.9	Draft	04-07-2024	Version for approval	Messaging team MFFBAS
1.0	Definitive	08-11-2024	Approved version	Market
1.3	Draft	12-03-2025	Processing RFC-026 and RFC-029 For review by the Messaging Team	Messaging team MFFBAS
1.6	Draft	01-04-2025	Class diagram M10.201 modified for RFC-026 Version for peer review	Messaging team MFFBAS Topic manager TS041
1.7	Draft	07-04-2025	Some minor textual changes	Messaging team MFFBAS
1.9	Draft	01-05-2025	Version for approval	Messaging Team MFFBAS, BOSO, IISO, PFSG
2.0	Definitive	09-05-2025	Approved version	Market

1.2 Referenced documents

No.	Description	Date	Version	Author
1	MSP MFF Retailprocessen (MSP MFF Retail Processes)	07-02-2025	8.0	MFFBAS
2	TS041 IC247A Optimalisatie meetketen voor kleine aansluitingen (kleinverbruik) (TS041 IC247A 'Optimisation measurement chain for small connections (small consumers)')	09-05-2025	3.0	MFFBAS

1.3 List of terms and abbreviations

Term	Description
Connection	Electricity One or more connections between a system and an immovable property referred to in Article 16 (a) to (d) of the Immovable property valuation Act, or between a system and another system with a different voltage (Electricity Act 1.1). Gas One or more connections between a gas transport system and an immovable property referred to in Article 16(a) to (e) of the Immovable property valuation Act, which includes one or more connections between a gas transport system managed by a system operator and a gas transport system managed by a system operator other than the concerned system operator (Gas Act 1.m).
Allocation point	Virtual point at the transfer point of a connection, where the energy exchange between an installation and the system is administratively allocated to a market party as if measurement had taken place at the transfer point of the connection (Electricity 1.1 Glossary).
BRV	Business Requirement View defined in UMM.
DSO	Distribution system operator. This is the term used in the Energy Act for regional system operators.
JSON	JavaScript Object Notation
KA	Small connection. This is the term used in the Energy Act for (the former) small consumer connections.
KV	Small consumption
SUP	Supplier
ODA	Other Service Provider
UMM	UN/CEFACT's Modelling Methodology
VOMD	A selling and/or buying market participant. This is the term used in the Energy Act for suppliers, energy communities, peer-to-peer traders and aggregators. [Exact definition to be adopted from the Energy Act]
XML	Extensible Markup Language

2 Introduction

This document is a Business Requirements Specification (BRS) for the Measurement data of Small Connections.

Based on the topic documents, the following use cases have been compiled:

No.	Description	Note	TD
UC M10.201	Request determination meter readings	A selling and/or purchasing market participant can submit a request to the distribution system operator to have meter reading(s) determined.	TS041

3 Starting points

3.1 UN/CEFACT's Modelling Methodology

In line with UMM-2, this document contains the business requirements for exchanging settlement data. Within the UN/CEFACT modelling methodology, this is the first of three main components: the business requirements in the "Business Requirements View". The business requirements are described in:

1. Use cases;
2. Activity diagram for use cases;
3. Class diagram for use cases.

The class diagram for use cases is the "blueprint" for the XML Diagrams (message definitions).

The other two main components within the UN/CEFACT Modelling Methodology are: the modelled processes in the "Business Choreography View" and the modelled information in the "Business Information View". These two components are combined in a separate document that specifies the actually implemented processes and exchange formats (XML or JSON).

3.2 Harmonised Role Model

The "Harmonized Electricity Market Role Model (HRM)" has been developed to allow the exchange of information between market parties in different countries [2].

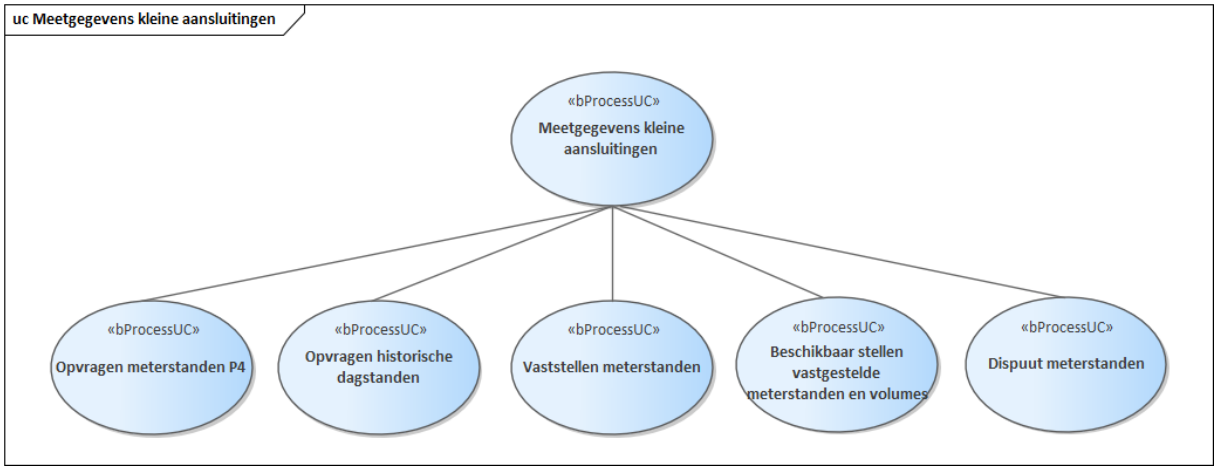
Market parties perform one or more roles in clusters. Such clusters can vary per country. By specifying the exchange of information by exchange between roles, HRM plays an important role in supporting a European market.

The HRM focuses on IT-based information exchange. The HRM has been developed (and is maintained) by ebIX®, EFET and ENTSO-E.

4 Measurement data small connections (small consumption)

The “Measurement data small connections” process has primarily been divided as follows:

1. Request meter readings P4;
2. Request historical daily readings KA;
3. Determination meter readings;
4. Provision of determined meter readings and volumes KA;
5. Dispute meter readings KA.



4.1 Use Cases Request meter readings P4

The relevant use cases will be elaborated later.

4.2 Use Cases Retrieve Historical daily readings KA

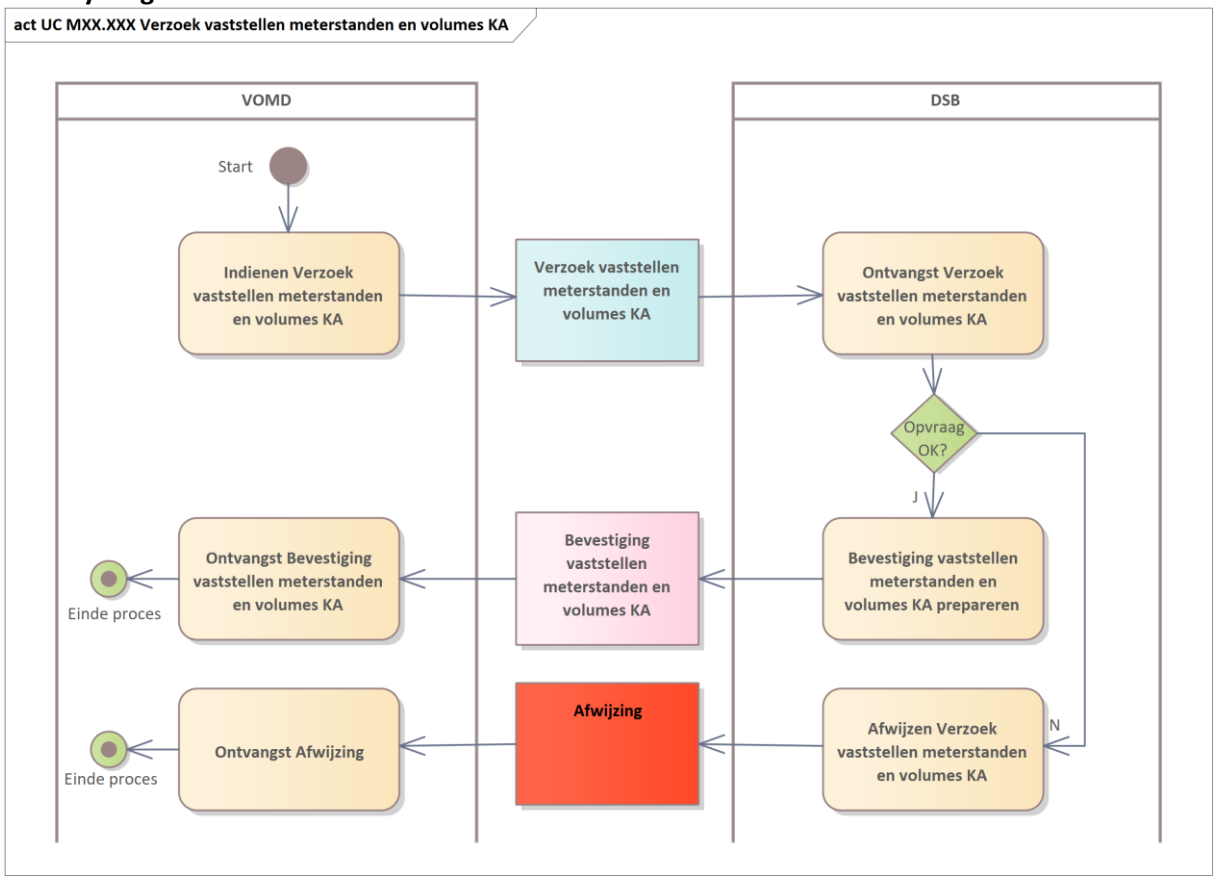
The relevant use cases will be elaborated later.

4.3 Use Case Request determination meter readings KA

4.3.1 UC M10.201– Request Determination meter readings and volumes KA

Request Determine Meter Readings and Volumes KA **Iceg t.b.d.** **MSP MFF Retail t.b.d.**	
ID	UC M10.201
Definition	This is the process for a VOMD to request the DSB to determine meter readings and volumes for an allocation point associated with a small connection equipped with a remotely readable metering device. To this end, the VOMD submits a request containing at least the following information: a. The unique identification of the allocation point. b. The date for which the meter reading must be determined. Purpose of providing the data: • Recording a meter reading with volumes in the measurement series for the purpose of invoicing by the VOMD.
Starts	The VOMD wishes to have meter readings and volumes recorded in the measurement series for invoicing purposes.
Preconditions	- The VOMD is registered as a market participant at the relevant allocation point. - The VOMD has the unique identification of the allocation point. - The VOMD has determined a date to which the meter reading to be established relates.
Ends	The DSB has sent a confirmation that meter readings and volumes will be included in the measurement series, or the DSB has rejected the request.
Post-conditions	The DSB has an approved request to then establish and distribute meter readings and volumes.
Exceptions	-
Actions	-

Activity diagram for use case M10.201



4.4 Use Cases Provision determined meter readings and volumes KA

The relevant use cases will be elaborated later.

4.5 Use Cases Dispute meter readings KA

The relevant use cases will be elaborated later.

5 Information exchange

5.1 Information exchange process Measurement data small connections

The following information is exchanged for the “Measurement data small connections” process:

5.1.1 Explanation for class diagrams

5.1.2 Class diagram M10.201 – Request to determine meter readings KA

The request for determining meter readings KA: