ANNEX 11

OFFLINE FISCAL DATA TRANSFER

Representative/Author	Initials	Company	Date	Signature

TABLE OF CONTENTS

1 General description 3

2 Definitions 3

3 General 3

4 Content of the METRED dataset 4

5 Example message 7

1 General description

This Annex 11 (*Offline fiscal data transfer*) sets out the format and content of the final offline metering data and the procedure for delivery.

2 Definitions

Capitalized terms shall have the meaning ascribed to them as in the General Terms and Conditions Connection Entry, unless explicitly stated otherwise in this Annex 11.

a) Fiscal Metering Dataset:
A Fiscal Metering Dataset is the complete set of Hourly final values per meter run for one (1) Month.

3 General

Connected Party shall deliver the Fiscal Metering Dataset no later than the fourth (4^{th}) Business Day of the month immediately following the month to which the Fiscal Metering Dataset relates.

Should any corrections to the Fiscal Metering Dataset be required following its delivery, Connected Party shall, in advance, notify HNS thereof and provide a detailed explanation of the cause of, and the differences arising from, such corrections.

In the event that a delivered Fiscal Metering Dataset omits one or more Hourly Quantities, the entire Fiscal Metering Dataset shall be deemed invalid and shall be rejected. HNS shall notify Connected Party of such rejection no later than the sixth (6th) working day.

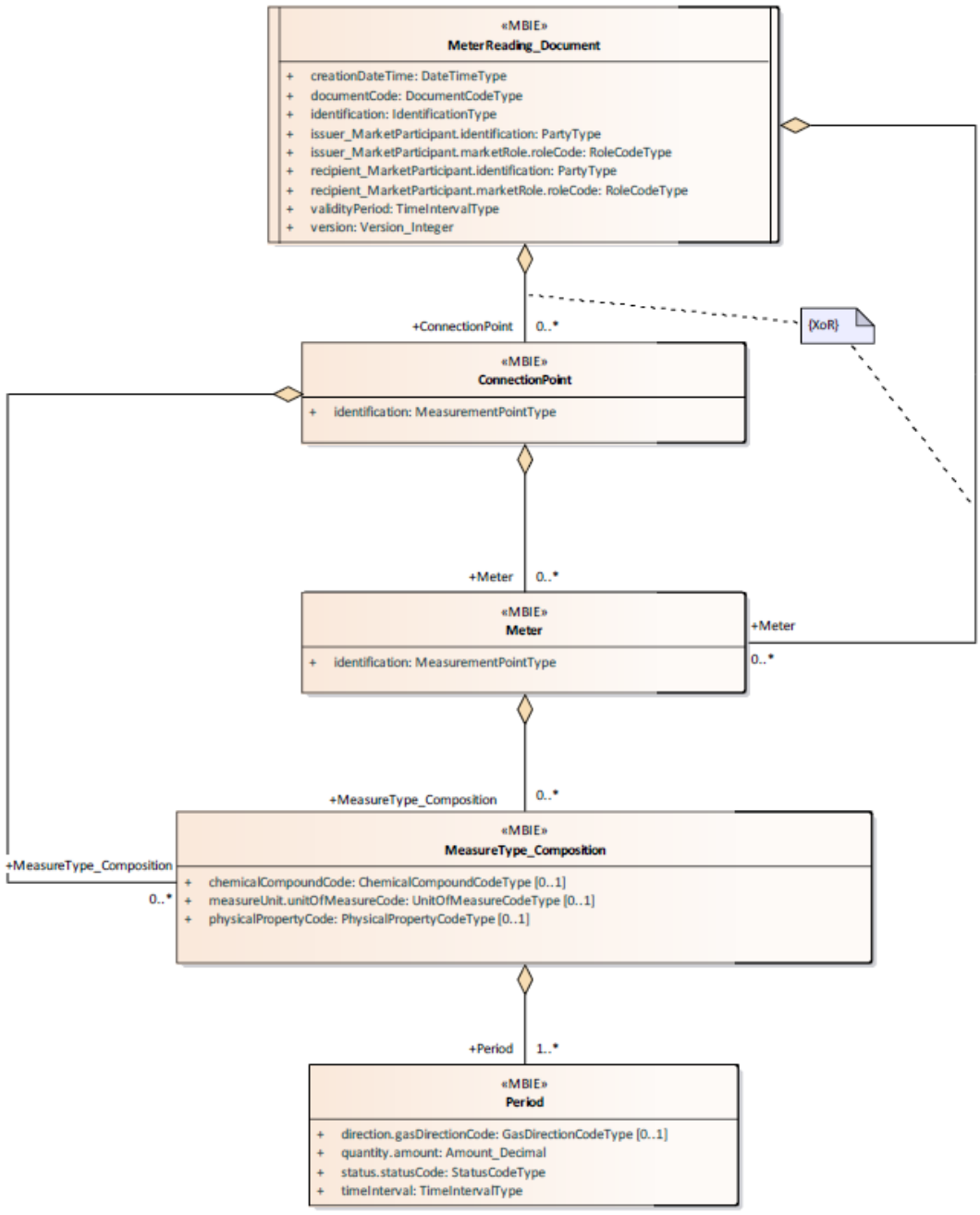
The applicable Edig@s standards, including any updates thereto, shall apply:

(a) The most recent major release of Edig@s (e.g., version 6.1) shall be supported by HNS. Upon publication of any new major release (e.g., version 7.x), HNS shall provide support for such release as well as for the immediately preceding major release. Accordingly, support shall at all times be maintained for the two most recent major releases of Edig@s.
(b) Upon publication of a subsequent major release (e.g., version 8.x), a transition period of twelve (12) months shall apply in respect of the then-oldest supported major release (e.g., version 6.x). During such transition period, support for that version shall be progressively phased out in a structured manner, with the objective of facilitating an orderly migration to the newer releases. Upon expiry of the transition period, support for the relevant version shall terminate.
(c) Updates shall be communicated to, and agreed with, the relevant Party as soon as practically possible to ensure the continuous and uninterrupted delivery of data.
(d) The message type designated as Meter Reading (METRED) is implemented and shall be maintained in accordance with the applicable standards.
(e) The Edig@s standard shall be implemented using the AS4 protocol.

4 Content of the METRED dataset

The METRED message type shall be implemented in accordance with the EASEE-gas standard. Any further information necessary for the implementation of the model is provided in this Chapter.

Meter Reading Document Assembly Model



4.1 MeterReading_Document

Attribute	Description	Implementation
Identification	Identification of the message, unique number	Start with 'METRED' + DateTime YYYYMMDDHHMM '202312311355' Lettercode 'A' Self-determined code max 16 char long Eg. 'METRED202312311355A53535'
issuer_MarketParticipant.identification	The identification of the party participating in the market. --- The issuer of the Meter Reading Document.	EIC Code of Connected Party
issuer_MarketParticipant.marketRole.roleCode	A code identifying the role played by a market participant in the market. (Refer to Edig@s RoleCodeTypeCodeList for the list of valid codes). --- The issuer of the Meter Reading Document.	ZUE (Metered Data Responsible)
recipient_MarketParticipant.identification	The identification of the party participating in the market. --- The recipient of the Meter Reading Document.	EIC Code of HNS (TSO)
recipient_MarketParticipant.marketRole.roleCode	A code identifying the role played by a market participant in the market. (Refer to Edig@s RoleCodeTypeCodeList for the list of valid codes). --- The recipient of the Meter Reading Document.	ZSO (System Operator)
validityPeriod	The start and end date and time of the period of validity covered in the document.	DateTime in UTC for a LET calendar month. The message only contains one (1) whole calendar month
version		Not used

4.2 ConnectionPoint

Not used.

4.3 Meter

Attribute	Description	Implementation
identification	The identification of a specific measurement point.	The agreed identification of a meter run. For instance, H990-001 (station-meter run). The massage may contain more than one meter.

4.4 MeasureType_composition

Attribute	Description	Implementation
chemicalCompoundCode	The code identifying the chemical properties of gas. (Refer to Edig@s ChemicalCompoundCodeTypeCodeList for the list of valid codes).	ZGK = The Gross Caloric Value (Superior Calorific value)
physicalPropertyCode	The code identifying the physical properties of gas. (Refer to Edig@s PhysicalPropertyCodeTypeCodeList for the list of valid codes).	ZED = Gross mass ZEE = Net mass ZWQ = Energy
measureUnit.unitOfMeasureCode	The coded representation of a unit of measure using the UN/CEFACT Recommendation 20 common codes. (Refer to Edig@s UnitOfMeasureCodeTypeCodeList for the list of valid codes).	For ZED and ZEE: A14 (kg) for each hour For ZWQ: KWH (kWh)

4.5 Period

Attribute	**Description**	**Implementation**
timeInterval	The start and end date and time for the period. The time is expressed in UTC.	The time period is always 1 hour, so each hour of the month is specified
direction.gasDirectionCode	A code identifying the direction of a gas flow. (Refer to Edig@s GasDirectionCodeTypeCodeList for the list of valid codes). --- The direction of the energy flow shall always be reported as seen from the perspective of the issuers System Operator's area.	Z02 = Input flow from Producer to TSO, also used when flow is 0. In this case we use Z02.
quantity.amount	The amount of a quantity.	With a "." as decimal separator if needed (only expected for Hs)
status.statusCode	A code providing the status of an object. (Refer to Edig@s StatusCodeTypeCodeList for the list of valid codes).	05G = Definitive

5 Example message

```
<MeterReading_Document xmlns="urn:easee-
gas.eu:edigas:BalancingAndSettlement:MeterReadingDocument:6:1" schemaVersion="1">
<identification>8b2664bc-5c58-4afc-ab82-3d2dde14635f</identification>
<version>1</version>
<documentCode>87G</documentCode>
<!--  Fixed code for MeterReadingDocument  -->
<creationDateTime>2024-02-01T12:13:14Z</creationDateTime>
<validityPeriod>2024-01-01T05:00Z/2024-02-01T05:00Z</validityPeriod>
<!--  Month of measurement data  -->
<issuer_MarketParticipant.identification codingScheme="305">IssuerEIC</issuer_MarketParticipant.identificat
ion>
<!--  EIC code of sender  -->
<issuer_MarketParticipant.marketRole.roleCode>ZUE</issuer_MarketParticipant.marketRole.roleCode>
<!--  ZUE = Metered Data Responsible  -->
<recipient_MarketParticipant.identification codingScheme="305">RecipientEIC</recipient_MarketParticipant.id
entification>
<!--  EIC code WNL  -->
<recipient_MarketParticipant.marketRole.roleCode>ZSO</recipient_MarketParticipant.marketRole.roleCode>
<!--  ZSO = System Operator  -->
<MeterList>
<Meter>
<identification codingScheme="305">H990-001</identification>
<!--  Gasunie SAP functional location  -->
<MeasureType_Composition>
<chemicalCompoundCode>ZGK</chemicalCompoundCode>
<measureUnit.unitOfMeasureCode>KW4</measureUnit.unitOfMeasureCode>
<physicalPropertyCode>ZED</physicalPropertyCode>
<!--  ZED (Gross Mass), ZEE (Net mass)or ZWQ (Energy)  -->
<measureUnit.unitOfMeasureCode>A14</measureUnit.unitOfMeasureCode>
<!--  For ZED/ZEE: A14 (Kilos (Per Hour)). For ZWQ: KWH (kWh) -->
<Period>
<timeInterval>2024-01-01T05:00Z/2024-01-01T06:00Z</timeInterval>
<!--  1 gashour, or for whole month a fixed value  -->
<quantity.amount>1234.56</quantity.amount>
<!--  Use . as decimal separator  -->
<direction.gasDirectionCode>Z02</direction.gasDirectionCode>
<!--  Always specify direction. Z02 = Input, Z03 = Output. With 0 flow use fysical direction of the meter
-->
<status.statusCode>05G</status.statusCode>
<!--  Always 05G = Definitive  -->
</Period>
<Period>
<timeInterval>2024-01-01T06:00Z/2024-01-01T07:00Z</timeInterval>
<quantity.amount>1357</quantity.amount>
<direction.gasDirectionCode>Z02</direction.gasDirectionCode>
<status.statusCode>05G</status.statusCode>
</Period>
<!--  1 Period for every gashour of the month, or 1 Period for the whole month   -->
</MeasureType_Composition>
</Meter>
<Meter>
<identification codingScheme="305">H990-002</identification>
<MeasureType_Composition>
<physicalPropertyCode>ZLA</physicalPropertyCode>
<measureUnit.unitOfMeasureCode>MQ5</measureUnit.unitOfMeasureCode>
<Period>
<timeInterval>2024-01-01T05:00Z/2024-01-01T06:00Z</timeInterval>
<quantity.amount>0</quantity.amount>
<direction.gasDirectionCode>Z02</direction.gasDirectionCode>
<status.statusCode>05G</status.statusCode>
</Period>
<Period>
<timeInterval>2024-01-01T06:00Z/2024-01-01T07:00Z</timeInterval>
<quantity.amount>0</quantity.amount>
<direction.gasDirectionCode>Z02</direction.gasDirectionCode>
<status.statusCode>05G</status.statusCode>
</Period>
</MeasureType_Composition>
</Meter>
</MeterList>
</MeterReading_Document>
```