



EDIG@S XML 5.1 DOCUMENT GUIDE WITH JOINT EXIT ZONE - ENERGINET GAS TSO

8	Clarification to nomination for SAP	2022-10-03		2022-10-03	
		HKJ		HKJ	
7	Clarification to <Identification> + inserted a new schema for nominations for portfolios per. 01.10.2022	2022-09-14		2022-09-14	
		HKJ		HKJ	
6	Implementation of new balancing model + correction to internal and external account	2022-04-13		2022-04-13	
		HKJ		HKJ	
5	Connection points update + clarifications Removal of ALOCAT and ACCSIT	2022-02-08		2022-02-08	
		HKJ		HKJ	
4	Clarifications	2018-12-20		2018-12-20	
		HKJ		HKJ	
3	JBZ corrected to JEZ	2018-11-06		2018-11-06	
		HKJ		HKJ	
2	JBZ included	2018-11-01		2018-11-01	
		HKJ		HKJ	
1	Document opened	2018-09-11		2018-09-28	
		HKJ		HKJ	
REV.	DESCRIPTION	PREPARED	CHECKED	REVIEWED	APPROVED

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1. Introduction

This document describes in detail the contents of nomination, confirmation and allocation documents exchanged between Balance Responsible Parties (hereafter referred to as BRP) and Energinet for Edig@s XML 5.1.

For exchanging documents, Energinet will use the internet combined with the AS2 protocol.

The Balance Responsible Party can communicate with Energinet by logging in to the website portal Energinet Online Gas or by sending Edig@s XML messages via AS2.

Only Edig@s XML 5.1 is possible. In case of introducing a new version of Edig@s or new documents, Energinet will inform BRPs of the go-live date.

<https://en2016.energinet.dk/Gas/Shippers/Edigas-XML> will contain information about how Energinet uses Edig@s XML 5.1 (this document).

The following describes the content of the Edig@s XML 5.1 document NOMINT used by Energinet. Other examples of documents sent from Energinet are located after the NOMINT section. Examples are non-binding.

Edigas XML 5.1 documents supported in this document.

NOMINT	NOMination INTention (detailed description)
NOMRES	NOMomination RESponse
METRED	METer REaDings
MARSIT	MARKet SITuation
ACKNOW	ACKNOWledge

1.1 Fall back

If the Balance Responsible Party is not able to send any Edig@s NOMINT messages, the only other option is to use the nomination facility at Energinet Online.

1.2 Single sided nomination

At the Ellund connection point Energinet is the passive partner for single sided nominations. BRP that wishes to use single sided nominations must send the single sided nomination to his German counterpart for the connection point of Ellund. If BRP sends an A02 nomination to Energinet this will be prioritized higher than the single nomination. To make use of single sided nomination it requires acceptance by both TSOs. An e-mail should be sent to backoffice@energinet.dk, 3 days before using the SSN nomination procedure.

Notice that Energinet is the passive partner on the Ellund Border towards Germany.

2. Abbreviations

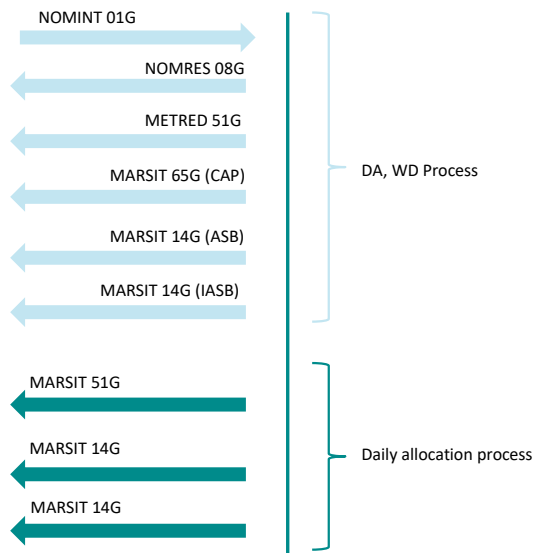
TSO	Transmission system operator (Energinet or Swedegas)
BRP	Balance Responsible Party
SSO	Storage System Operator (Gas Storage Denmark A/S)
GTF	Gas transfer facility
ETF	Gas Point Nordic (part of the PEGAS platform) trading facility
JEZ	Joint Exit Zone
LT000XXX	Internal storage customer number with Gas Storage Denmark A/S
DS000XXX	Danish BRP code issued by Energinet
CE000001	Nord Pool Gas BRP code with Energinet
EIC	Code given by ENTSO-G or LIO (Local Issuing Office)
UTC	Universal Time Coordinated

There are no general abbreviations for German BRP codes. A foreign BRP code must be provided by the relevant adjacent TSO.

3. Processes and deadlines

3.1 Daily nomination and allocation process

Figure 1 below is a graphic overview of the daily nomination and allocation processes, followed by a description of each message type:



(ACKNOW not shown)

Energinet will only use MARSIT as default.

Message type	Description
--------------	-------------

NOMINT 01G	Initial Nomination must be received before 14.00 on the previous gas day. The Balance Responsible Party may send a re-nomination NOMINT 01G every hour with a lead time of 2 hours (according to EASEE gas CBP 2009-03-03). Re-nomination is allowed without initial nomination
NOMRES 08G	After receiving NOMINT from the BRP, the TSO will send NOMRES 08G to the BRP when the nomination has been matched with the counterpart. NOMRES is send every time there has been a change to the NOMRES. A NOMRES is also sent on nomination points without matching (e.g. ETF)
METRED 51G	Metered document is sent as information messages (Within day) for metered flow in distribution (summed per gas supplier), Intra Day Residual information, nDMS consumption prognosis for the Danish Exit Zone to the BRP as fulfilment of Entso-g Balancing Network code. The document will always have code 51G.
MARSIT 95G	The TSO sends an MARSIT document containing allocations for the gas day (D-1) per point. The document will be sent before 14.00 the day after the ended gas day (D-1). This will have the status 95G.
MARSIT 14G	After the daily allocation of D-1 Energinet will send an MARSIT document to notify the BRP of an eventually imbalance or zero (0) balance.
ACKNOW 294	Energinet sends an ACKNOW message in response to any received message. Energinet expects to receive an ACKNOW message in response to any send message within 10 minutes.

3.2 Monthly allocation and reconciliation process

Below is graphic overview of the Monthly allocation process including documents sent from the TSO to the BRP. It contains valid allocations for M-1, and M-4 and M-15, together with Reconciliation (type 14G) document.

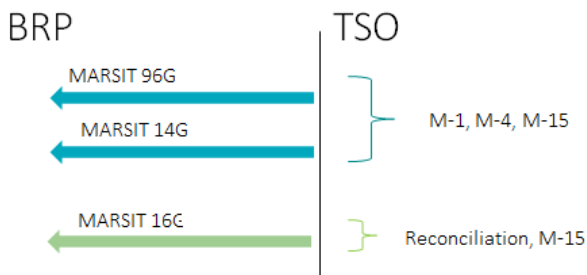


Figure 1

(ACKNOW is not shown)

Where applicable, the TSO also sends a reconciliation MARSIT 16G document to the BRP to clear out the transports between BRPs in the Virtual Exit Zone and RES Entry. This document is sent out after allocation for M-15.

Message type	Deadline
MARSIT 96G	After allocation for valid data M-1 the TSO sends the BRP an allocation document per point containing allocations for the gas month that has just ended. The same procedure is repeated for M-4 and M-15.
MARSIT 14G	After allocation of M-1 the TSO will send a new imbalance document. The same procedure is repeated for M-4 and M-15.
MARSIT 16G	If BRP has non-Daily metered (nDMS) portfolios in the Danish exit Zone a reconciliation document (type 16G) will be sent after the TSO reconciliation process has ended.

4. Description of EDIGAS

The following describes the various tags used in the EDIGAS documents. The examples are from a NOMINT when nothing else is stated.

4.1 Start of a document

The two lines below are the mandatory start of any nomination document.


```
<?xml version="1.0" encoding="UTF-8"?>
<Nomination_Document release="3" xmlns="urn:easeegas.eu.edigas:nominationandmatching:nominationdocument:5:1"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
```

4.2 Identification

The nomination document identification must be unique as per General Guidelines v3r0-2015-09-02 at edigas.org.

```
<identification>0003838</identification>
```

4.3 Version

First document starts with version '1'. Subsequent nomination documents must be incremented.

```
<version>1</version>
```

Earlier versions than already received will be rejected.

4.4 Type

Nomination type must always be 01G

```
<type>01G</type>
```

4.5 Date format and time intervals

UTC date time format is used for all date and time fields.

The time interval of a nomination period requires at least one full gas day. More than one full gas day is allowed, as long as the message represents multiples of gas days.

Examples:

Gas day	UTC	Time of year
06.00 – 06.00	05.00 – 05.00	During standard time ("wintertime") (24-hour gas day)
06.00 – 06.00	05.00 – 04.00	During change from official standard time to daylight saving time (23-hour gas day)
06.00 – 06.00	04.00 – 04.00	During daylight saving time (24-hour gas day)
06.00 – 06.00	04.00 – 05.00	During change from official daylight-saving time to winter standard time (25-hour gas day)

4.6 CreationDateTime

CreationDateTime is to be filled out as follows:

<creationDateTime>2017-05-18T06:26:01Z</creationDateTime>

4.7 Contract reference

Contract reference must be the BRPs shippercode supplied by Energinet.

<contractReference>DS000XXX</contractReference>

4.8 Validity period

Validity period must contain the same time interval as the sum of the time intervals (from the first hour to and the last hour).

<validityPeriod>2017-05-19T04:00Z/2017-05-20T04:00Z</validityPeriod>

4.9 Market participants

4.9.1 Market participant identification

Energinet identifies companies by EIC codes only:

Party	Edig@s Party identifier code	Coding scheme
Energinet SOV	10X1001A1001A248	305
BRP*	EIC	305

*A BRP registered with Energinet SOV must nominate using his EIC-code. If the BRP has no EIC code, he can apply for one at the Danish LIO office at eic-administration@energinet.dk

<issuer_MarketParticipant.identification codingScheme="305">10X000000000000</issuer_MarketParticipant.identification>

<recipient_MarketParticipant.identification codingScheme="305">10X1001A1001A248</recipient_MarketParticipant.identification>

4.9.2 Market participant role

Market participant Role is the Role of sender. It will always be either TSO or BRP

TSO: <issuer_MarketParticipant.marketRole.code>ZSO</issuer_MarketParticipant.marketRole.code>

BRP: <recipient_MarketParticipant.marketRole.code>ZSH</recipient_MarketParticipant.marketRole.code>

4.10 Connection Point

Energinet only allows coding scheme 305 for identifying a connection point. The available connection points are:

Location	Connection point EIC	Coding scheme	Nomination rule*
Gas Storage Denmark A/S	45W000000000112V	305	Required/ ZERO
Nybro Entry	21Z0000000000252	305	Required
GTF	21Y---A001A003-5	305	Optional
ETF	21Y---A001A004-2	305	None
Ellund	21Z8273645914289	305	Optional
IP FAXE	21Z000000000509H	305	Optional
North Sea Entry	21Z000000000512S	305	Optional
Joint Exit Zone Danish points	45Z000000000005R	305	Required/copy
Joint Exit Zone Swedish points	45Z000000000005R	305	None
RES Entry DK	45Z000000000006P	305	Required/copy
Smoothing Allocation Point	45V0000000001217	305	Required
Causer Allocation point	45W0000000001579	305	None

`<identification codingScheme="305">45W000000000112V</identification>`

*Nomination rule:

- None: No nomination is expected. The document will be accepted, but otherwise ignored.
- Optional: If the nominations are all zero, no NOMINT is required.
- Required: A daily nomination is required.
 - Zero: If no nomination is received, the result is set to 0.
 - Copy: If no nomination is received the result is copied from the last nomination.

4.11 Measure Unit

The only measuring unit allowed in a NOMINT is KW1 (kWh/h).

`<measureUnit.code>KW1</measureUnit.code>`

4.12 Nomination type

The nomination type must be set to A02 for BRP nomination

`<type>A02</type>`

4.13 Internal Account

For all points the BRP's shipper code is used:

```
<internalAccount codingScheme="ZSO">DS000XXX</internalAccount>
```

4.14 External Account

For JEZ and RES DK Entry below mentioned is assigned to:

```
<externalAccount codingScheme="ZSO">5711515...</externalAccount>
```

Description	Day before 13:00	Within day 5 times nDMS	Hourly MR flow during gas day All closed hours xx:10 ASB	Hourly during gas day All closed hours xx:30 IASB	Nomination	Non valid Allocation	Valid allocation
Message format							
Format from Nordion_Energy. All data per GSRN	MARSIT 95G ZFG	MARSIT 95G ZFG	METRED	MARSIT 95G ZFH new	MARSIT 95G Z02	MARSIT 95G ZFH	MARSIT 96G ZFH
Format to BA/shipper From the Solution EDIGAS 5.1 or 6.0	METRED	METRED		MARSIT	NOMRES 08G	MARSIT 95G + MARSIT 14G	MARSIT 96G + MARSIT 14G
Fall back procedure	Not sent	Not sent	General rule	General rule	Use latest nomination. No fallback	General rule	No fallback
Swedish MR flow							
Sum of MR flow for ASB calculation. GSRN: new	No	No	Yes	no	No	No	Yes. B. workday
Swedish portfolios in JEZ							
nDMS-SE: Consumption Per shipper GSRN: 571515198310700078	yes Forecast Daily sum	yes Forecast Daily sum	no	yes	yes	yes	yes
DMS-SE: Consumption DMS Per shipper GSRN: 571515198310700030	no	no	no	yes	yes	yes	yes
STORAGE-SE: Skallen Storage exit/entry GSRN: 571515198310700047	no	no	no	yes	yes	yes	yes
RES Entry SE: Swedish RES production GSRN: 571515198310700054	no	no	no	yes	yes	yes	yes

Danish portfolios							
nDMS Consumption DK GSRN per shipper/distribution	Yes Forecast Daily sum	Yes Forecast Daily sum	no	Yes Hourly closed hours	yes	no	yes
DMS Consumption DK GSRN per shipper/distribution	no	no	no	Yes Hourly closed hours	yes	no	yes
RES Entry DK GSRN per shipper/distribution	no	Yes	no	Yes Hourly closed hours	yes	yes	yes
Direct plants: DMS consumption DK GSRN for each	no	no	no	MR data		MR data	MR data
Linepack in DK GSRN per distribution	no	no	no	no	no	yes	yes
M-stations Bio-methane to transmission GSRN for each	no	no	no	Yes Hourly closed hours		Yes	Yes

For all other points the external account identification must be given:

```
<externalAccount codingScheme="ZSO">OS000YYY</externalAccount>
```

4.15 Time interval

Please see chapter 4.5 for identifying days and hours.

It is acceptable to send a nomination in one-hour intervals or any other period as long as all hours in the period are included in the message time interval (e.g. up to 23, 24 or 25 periods in 1-hour intervals). There must be no overlapping hours. The recommendation is always to send for one complete gas day and not a multiple of gas days.

Nomination for one gas day:

```
<TimeInterval>2017-10-09T04:00Z/2017-10-10T04:00Z</TimeInterval>
```

4.16 Direction

The nominating party must send a nomination direction as seen from Energinet TSO point of view.

The TSO will respond by sending messages containing the direction as seen from Energinet point of view.

The direction is given by the codes:

Z02: ENTRY Energinet

Z03: EXIT Energinet

If the nomination value is 0 (Zero), the direction code can be either Z02 or Z03

```
<direction.code>Z02</direction.code>
```

Buying and selling at ETF or GTF must comply with the following:

Z02: ENTRY Energinet, BRP buying gas from counterpart or at ETF

Z03: EXIT Energinet, BRP selling gas to counterpart or at ETF

4.17 Quantity

Quantity is the delta volume wished to be transported by the BRP. Values have to be positive or Zero. Negative values are not allowed.

```
<quantity.amount>1000</quantity.amount>
```

4.18 Area

In MARSIT 95G, 96G and 14G the DK area EIC code is introduced to inform which balancing area allocations and imbalances are connected to. This information is only given by EIC code.

```
<area codingScheme="305">21Y000000000003Q</area>
```

5. Example documents for nomination

Below are some non-binding examples for NOMINT at Energinet.

Please always use Message Implementation Guides located at www.edigas.org for reference when coding.

There are no examples for nomination at the Swedish part of JEZ, as these are nominated to the Swedish TSO.

5.1 Nomination at Ellund

```
<Nomination_Document release="3" xmlns="urn:easeegas.eu.edigas:nominationandmatching:nominationdocument:5:1"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="urn:easeegas.eu.edigas:nominationandmatching:nomina-
tiondocument:5:1">
<identification>887944</identification>
<version>1</version>
<type>01G</type>
<creationDateTime>2018-05-03T05:22:00Z</creationDateTime>
<validityPeriod>2018-05-04T04:00Z/2018-05-05T04:00Z</validityPeriod>
<contractReference>DS000XXX</contractReference>
<issuer_MarketParticipant.identification codingScheme="305">00X0000000000000</issuer_MarketParticipant.identification>
<issuer_MarketParticipant.marketRole.code>ZSH</issuer_MarketParticipant.marketRole.code>
<recipient_MarketParticipant.identification codingScheme="305">10X1001A1001A248</recipient_MarketParticipant.identification>
<recipient_MarketParticipant.marketRole.code>ZSO</recipient_MarketParticipant.marketRole.code>
<ConnectionPoint>
<identification codingScheme="305">21Z8273645914289</identification>
<measureUnit.code>KW1</measureUnit.code>
<NominationType>
<type>A02</type>
<Account>
<internalAccount codingScheme="ZSO">DS000XXX</internalAccount>
```

```

<externalAccount codingScheme="ZSO">XXXXXX</externalAccount>
<Period>
<timeInterval>2018-05-04T04:00Z/2018-05-05T04:00Z</timeInterval>
<direction.code>Z03</direction.code>
<quantity.amount>1400</quantity.amount>
</Period>
</Account>
</NominationType>
</ConnectionPoint>
</Nomination_Document>

```

5.2 Nomination at IP FAXE

```

<Nomination_Document release="3" xmlns="urn:easeegas.eu.edigas:nominationandmatching:nominationdocument:5:1"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="urn:easeegas.eu.edigas:nominationandmatching:nomina-
tiondocument:5:1">
<identification>9985542</identification>
<version>1</version>
<type>01G</type>
<creationDateTime>2018-05-03T05:22:00Z</creationDateTime>
<validityPeriod>2018-05-04T04:00Z/2018-05-05T04:00Z</validityPeriod>
<contractReference>DS000XXX</contractReference><issuer_MarketParticipant.identification codingScheme="305">00X0000000000000</is-
suer_MarketParticipant.identification>
<issuer_MarketParticipant.marketRole.code>ZSH</issuer_MarketParticipant.marketRole.code>
<recipient_MarketParticipant.identification codingScheme="305">10X1001A1001A248</recipient_MarketParticipant.identification>
<recipient_MarketParticipant.marketRole.code>ZSO</recipient_MarketParticipant.marketRole.code>
<ConnectionPoint>
<identification codingScheme="305">21Z000000000509H</identification>
<measureUnit.code>KW1</measureUnit.code>
<NominationType>
<type>A02</type>
<Account>
<internalAccount codingScheme="ZSO">DS000XXX</internalAccount>
<externalAccount codingScheme="ZSO">GASSYSTEM CODE</externalAccount>
<Period>
<timeInterval>2018-05-04T04:00Z/2018-05-05T04:00Z</timeInterval>
<direction.code>Z02</direction.code>
<quantity.amount>1400</quantity.amount>
</Period>
</Account>
</NominationType>
</ConnectionPoint>
</Nomination_Document>

```

5.3 Nomination at North Sea Entry

```

<Nomination_Document release="3" xmlns="urn:easeegas.eu.edigas:nominationandmatching:nominationdocument:5:1"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="urn:easeegas.eu.edigas:nominationandmatching:nomina-
tiondocument:5:1">
<identification>797841</identification>
<version>1</version>
<type>01G</type>
<creationDateTime>2018-05-03T05:22:00Z</creationDateTime>
<validityPeriod>2018-05-04T04:00Z/2018-05-05T04:00Z</validityPeriod>
<contractReference>DS000XXX</contractReference><issuer_MarketParticipant.identification codingScheme="305">00X0000000000000</is-
suer_MarketParticipant.identification>
<issuer_MarketParticipant.marketRole.code>ZSH</issuer_MarketParticipant.marketRole.code>
<recipient_MarketParticipant.identification codingScheme="305">10X1001A1001A248</recipient_MarketParticipant.identification>
<recipient_MarketParticipant.marketRole.code>ZSO</recipient_MarketParticipant.marketRole.code>
<ConnectionPoint>
<identification codingScheme="305">21Z000000000512S</identification>
<measureUnit.code>KW1</measureUnit.code>
<NominationType>
<type>A02</type>
<Account>
<internalAccount codingScheme="ZSO">DS000XXX</internalAccount>
<externalAccount codingScheme="ZSO">GASCCO CODE</externalAccount>
<Period>
<timeInterval>2018-05-04T04:00Z/2018-05-05T04:00Z</timeInterval>
<direction.code>Z02</direction.code>
<quantity.amount>1400</quantity.amount>
</Period>
</Account>
</NominationType>
</ConnectionPoint>
</Nomination_Document>

```

5.4 Nomination at Smoothing Allocation Point

Nomination per hour for smoothing of JEZ Exit nomination

```

<Nomination_Document release="3" xmlns="urn:easeegas.eu.edigas:nominationandmatching:nominationdocument:5:1"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="urn:easeegas.eu.edigas:nominationandmatching:nomina-
tiondocument:5:1">
<identification>42</identification>
<version>1</version>
<type>01G</type>
<creationDateTime>2018-05-03T05:22:00Z</creationDateTime>
<validityPeriod>2018-05-04T04:00Z/2018-05-05T04:00Z</validityPeriod>
<contractReference>DS000XXX</contractReference><issuer_MarketParticipant.identification codingScheme="305">00X0000000000000</is-
suer_MarketParticipant.identification>
<issuer_MarketParticipant.marketRole.code>ZSH</issuer_MarketParticipant.marketRole.code>
<recipient_MarketParticipant.identification codingScheme="305">10X1001A1001A248</recipient_MarketParticipant.identification>
<recipient_MarketParticipant.marketRole.code>ZSO</recipient_MarketParticipant.marketRole.code>
<ConnectionPoint>
<identification codingScheme="305">45V0000000001217</identification>
<measureUnit.code>KW1</measureUnit.code>
<NominationType>
<type>A02</type>
<Account>
<internalAccount codingScheme="ZSO">DS000XXX</internalAccount>
<externalAccount codingScheme="ZSO">DS000XXX</externalAccount>
<Period>
<timeInterval>2022-10-05-01T04:00Z/2022-10-01T05:00Z</timeInterval>
<direction.code>Z02</direction.code>
<quantity.amount>1400</quantity.amount>
</Period>
<Period>
<timeInterval>2022-10-01T05:00Z/2022-10-01T06:00Z</timeInterval>
<direction.code>Z02</direction.code>
<quantity.amount>1400</quantity.amount>
</Period>
....
<Period>
<timeInterval>2022-10-02T03:00Z/2022-10-02T04:00Z</timeInterval>
<direction.code>Z02</direction.code>
<quantity.amount>1400</quantity.amount>
</Period>
</Account>
</NominationType>
</ConnectionPoint>
</Nomination_Document>

```

5.5 Nomination at GTF

Energinet recommends that NOMINT is only send on combinations where the nominations are non zero.

```

<Nomination_Document release="3" xmlns="urn:easeegas.eu.edigas:nominationandmatching:nominationdocument:5:1"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="urn:easeegas.eu.edigas:nominationandmatching:nomina-
tiondocument:5:1">
<identification>7987111</identification>
<version>1</version>
<type>01G</type>
<creationDateTime>2018-05-03T05:22:00Z</creationDateTime>
<validityPeriod>2018-05-04T04:00Z/2018-05-05T04:00Z</validityPeriod>
<contractReference>DS000XXX</contractReference>
<issuer_MarketParticipant.identification codingScheme="305">00X0000000000000</issuer_MarketParticipant.identification>
<issuer_MarketParticipant.marketRole.code>ZSH</issuer_MarketParticipant.marketRole.code>
<recipient_MarketParticipant.identification codingScheme="305">10X1001A1001A248</recipient_MarketParticipant.identification>
<recipient_MarketParticipant.marketRole.code>ZSO</recipient_MarketParticipant.marketRole.code>
<ConnectionPoint>
<identification codingScheme="305">21Y--A001A003-5</identification>
<measureUnit.code>KW1</measureUnit.code>
<NominationType>
<type>A02</type>
<Account>
<internalAccount codingScheme="ZSO">DS000XXX</internalAccount>
<externalAccount codingScheme="ZSO">DS000YYY</externalAccount>
<Period>
<timeInterval>2018-05-04T04:00Z/2018-05-05T04:00Z</timeInterval>
<direction.code>Z02</direction.code>
<quantity.amount>1400</quantity.amount>
</Period>
</Account>
</NominationType>
</ConnectionPoint>
</Nomination_Document>

```

5.6 Nomination at ETF (not mandatory)

Energinet accepts the nomination at ETF, but it is not used, and we recommend not to send it. Values from Gas Point Nordic (EEX) will always prevail.

```

<Nomination_Document release="3" xmlns="urn:easeegas.eu.edigas:nominationandmatching:nominationdocument:5:1"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="urn:easeegas.eu.edigas:nominationandmatching:nomina-
tiondocument:5:1">

```



```

<identification>4641</identification>
<version>1</version>
<type>01G</type>
<creationDateTime>2018-05-03T05:22:00Z</creationDateTime>
<validityPeriod>2018-05-04T04:00Z/2018-05-05T04:00Z</validityPeriod>
<contractReference>DS000XXX</contractReference>
<issuer_MarketParticipant.identification codingScheme="305">00X0000000000000</issuer_MarketParticipant.identification>
<issuer_MarketParticipant.marketRole.code>ZSH</issuer_MarketParticipant.marketRole.code>
<recipient_MarketParticipant.identification codingScheme="305">10X1001A1001A248</recipient_MarketParticipant.identification>
<recipient_MarketParticipant.marketRole.code>ZSO</recipient_MarketParticipant.marketRole.code>
<ConnectionPoint>
<identification codingScheme="305">21Y---A01A004-2</identification>
<measureUnit.code>KW1</measureUnit.code>
<NominationType>
<type>A02</type>
<Account>
<internalAccount codingScheme="ZSO">DS000XXX</internalAccount>
<externalAccount codingScheme="ZSO">CE000001</externalAccount>
<Period>
<timeInterval>2018-05-04T04:00Z/2018-05-05T04:00Z</timeInterval>
<direction.code>Z02</direction.code>
<quantity.amount>1400</quantity.amount>
</Period>
</Account>
</NominationType>
</ConnectionPoint>
</Nomination_Document>

```

5.7 Nomination RES ENTRY

```

<Nomination_Document release="3" xmlns="urn:easeegas.eu:edigas:nominationandmatching:nominationdocument:5:1"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="urn:easeegas.eu:edigas:nominationandmatching:nomina-
tiondocument:5:1">
<identification>48596</identification>
<version>1</version>
<type>01G</type>
<creationDateTime>2018-05-03T05:22:00Z</creationDateTime>
<validityPeriod>2018-05-04T04:00Z/2018-05-05T04:00Z</validityPeriod>
<contractReference>DS000XXX</contractReference>
<issuer_MarketParticipant.identification codingScheme="305">00X0000000000000</issuer_MarketParticipant.identification>
<issuer_MarketParticipant.marketRole.code>ZSH</issuer_MarketParticipant.marketRole.code>
<recipient_MarketParticipant.identification codingScheme="305">10X1001A1001A248</recipient_MarketParticipant.identification>
<recipient_MarketParticipant.marketRole.code>ZSO</recipient_MarketParticipant.marketRole.code>
<ConnectionPoint>
<identification codingScheme="305">45Z000000000006P</identification>
<measureUnit.code>KW1</measureUnit.code>
<NominationType>
<type>A02</type>
<Account>
<internalAccount codingScheme="ZSO">DS000YYY</internalAccount>
<externalAccount codingScheme="ZSO">57XXX</externalAccount>
<Period>
<timeInterval>2018-05-04T04:00Z/2018-05-05T04:00Z</timeInterval>
<direction.code>Z02</direction.code>
<quantity.amount>1400</quantity.amount>
</Period>
</Account>
</NominationType>
</ConnectionPoint>
</Nomination_Document>

```

5.8 Nomination at Danish portfolio under the Danish part of the JEZ

```

<Nomination_Document release="3" xmlns="urn:easeegas.eu:edigas:nominationandmatching:nominationdocument:5:1"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="urn:easeegas.eu:edigas:nominationandmatching:nomina-
tiondocument:5:1">
<identification>26749</identification>
<version>1</version>
<type>01G</type>
<creationDateTime>2018-05-03T05:22:00Z</creationDateTime>
<validityPeriod>2018-05-04T04:00Z/2018-05-05T04:00Z</validityPeriod>
<contractReference>DS000XXX</contractReference>
<issuer_MarketParticipant.identification codingScheme="305">00X0000000000000</issuer_MarketParticipant.identification>
<issuer_MarketParticipant.marketRole.code>ZSH</issuer_MarketParticipant.marketRole.code>
<recipient_MarketParticipant.identification codingScheme="305">10X1001A1001A248</recipient_MarketParticipant.identification>
<recipient_MarketParticipant.marketRole.code>ZSO</recipient_MarketParticipant.marketRole.code>
<ConnectionPoint>
<identification codingScheme="305">45Z000000000005R</identification>
<measureUnit.code>KW1</measureUnit.code>
<NominationType>
<type>A02</type>
<Account>
<internalAccount codingScheme="ZSO">DS000YYY</internalAccount>
<externalAccount codingScheme="ZSO">57XXX</externalAccount>
<Period>
<timeInterval>2018-05-04T04:00Z/2018-05-05T04:00Z</timeInterval>
<direction.code>Z03</direction.code>
<quantity.amount>1404000</quantity.amount>

```

```

</Period>
</Account>
</NominationType>
</ConnectionPoint>
</Nomination_Document>

```

6. Documents from Energinet to BRP

6.1 NOMRES

As described in the introduction processes and deadlines, Energinet sends various documents to the BRP according to the nomination and matching process. One of these is the nomination document. NOMRES AND (interruption notice) is not used within the Danish gas market. The NOMRES document will be delivered as answer to the received NOMINT or matched result (per connection point, VRP etc.).

Energinet will send a new document with a reference to the received NOMINT. When no NOMINT can be established as the direct source of the NOMRES the reference will be "DEFAULT". This is case when:

- No nomination received (e.g., ETF and Swedish points)
- Web nomination used
- Manual corrections (e.g., mismatch)

NOMRES will include reason codes, if applicable.

Reduction codes used:

Reduction code	Description
06G	Mismatch
07G	Interrupted
08G	Interrupted firm
09G	Quality deficiency
10G	Reduced capacity
11G	Below 100%

At the Ellund no initial interruption message will be send after capacity checks Latest NOMINT from BRP will always be used when BRP gains new capacity at any point.

Please note that Single Sided Nomination (copy from counterpart TSO), Web nominations, Gas Trade Nominations from Gas Point Nordic (PEGAS), nomination data received from Swedish TSO and manual correction(s) from Energinet will result in value DEFAULT in;

```
<nomination_Document.identification>DEFAULT</nomination_Document.identification>
```

Nomination Document Version will always have version equal to 1.

```
<nomination_Document.version>1</nomination_Document.version>
```

6.1.1 NOMRES for Danish portfolio at the Danish part of JEZ and RES Entry:

```
<?xml version="1.0" encoding="UTF-8"?>
```

```

<NominationResponse_Document release="3" xmlns="urn:easeegas.eu:edigas:nominationandmatching:nominationresponsedocument:5:1"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="urn:easeegas.eu:edigas:nominationandmatching:nomination-
responsedocument:5:1">
<identification>5465867</identification>
<version>1</version>
<type>08G</type>
<creationDateTime>2017-05-18T06:26:01Z</creationDateTime>
<validityPeriod>2017-05-19T04:00Z/2017-05-20T04:00Z</validityPeriod>
<contractReference>DS000XXX</contractReference>
<issuer_MarketParticipant.identification codingScheme="305">10X1001A1001A248</issuer_MarketParticipant.identification>
<issuer_MarketParticipant.marketRole.code>ZSO</issuer_MarketParticipant.marketRole.code>
<recipient_MarketParticipant.identification codingScheme="305">10X0000000000000</recipient_MarketParticipant.identification>
<recipient_MarketParticipant.marketRole.code>ZSH</recipient_MarketParticipant.marketRole.code>
<nomination_Document.identification>NOMINT2</nomination_Document.identification>
<nomination_Document.version>1</nomination_Document.version>
<ConnectionPoint>
<identification codingScheme="ZSO">45Z000000000005R</identification>
<measureUnit.code>KW1</measureUnit.code>
<NominationType>
<type>A02</type>
<Account>
<internalAccount codingScheme="ZSO">5715151983XXXXXXXX</internalAccount>
<externalAccount codingScheme="ZSO">DS000YYY</externalAccount>
<InformationOrigin_TimeSeries>
<type>16G</type>
<Period>
<timeInterval>2017-05-19T04:00Z/2017-05-20T04:00Z</timeInterval>
<direction.code>Z03</direction.code>
<quantity.amount>1000</quantity.amount>
</Period>
</InformationOrigin_TimeSeries>
</Account>
</NominationType>
</ConnectionPoint>
</NominationResponse_Document>

```

6.1.2 NOMRES for Swedish portfolio at the Swedish part of the JEZ:

A NOMRES for Swedish part of JEZ portfolios (data received from the Swedish TSO) for the Swedish portfolios will be sent from Energinet to the BRP.

```

<?xml version="1.0" encoding="UTF-8"?>
<NominationResponse_Document release="3" xmlns="urn:easeegas.eu:edigas:nominationandmatching:nominationresponsedocument:5:1"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="urn:easeegas.eu:edigas:nominationandmatching:nomination-
responsedocument:5:1">
<identification>879450</identification>
<version>1</version>
<type>08G</type>
<creationDateTime>2017-05-18T06:26:01Z</creationDateTime>
<validityPeriod>2017-05-19T04:00Z/2017-05-20T04:00Z</validityPeriod>
<contractReference>DS000XXX</contractReference>
<issuer_MarketParticipant.identification codingScheme="305">10X1001A1001A248</issuer_MarketParticipant.identification>
<issuer_MarketParticipant.marketRole.code>ZSO</issuer_MarketParticipant.marketRole.code>
<recipient_MarketParticipant.identification codingScheme="305">10X0000000000000</recipient_MarketParticipant.identification>
<recipient_MarketParticipant.marketRole.code>ZSH</recipient_MarketParticipant.marketRole.code>
<nomination_Document.identification>DEFAULT</nomination_Document.identification>
<nomination_Document.version>1</nomination_Document.version>
<ConnectionPoint>
<identification codingScheme="ZSO">45Z000000000005R</identification>
<measureUnit.code>KW1</measureUnit.code>
<NominationType>
<type>A02</type>
<Account>
<internalAccount codingScheme="ZSO">571515198310700023</internalAccount>
<externalAccount codingScheme="ZSO">DS000YYY</externalAccount>
<InformationOrigin_TimeSeries>
<type>16G</type>
<Period>
<timeInterval>2017-05-19T04:00Z/2017-05-20T04:00Z</timeInterval>
<direction.code>Z03</direction.code>
<quantity.amount>1000</quantity.amount>
</Period>
</InformationOrigin_TimeSeries>
</Account>
</NominationType>
</ConnectionPoint>
</NominationResponse_Document>

```

6.2 Daily allocation documents

Allocations to the BRP will be sent for within-day, after the gas day and after the month after validation of the transported data on the connection points listed in section 4.10 in this document.

The TSO sends an MARSIT document containing allocations for the gas day (D-1) per point. The MARSIT will be sent before 14.00 the day after the ended gas day (d-1). This will have the document type 95G. Each point is sent in separate document.

6.2.1 MARSIT 95G

Example of GTF

```
<MarketSituation_Document xmlns="urn:easee-gas.eu.edigas.marketsituation.marketsituationdocument:5:1:6"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="urn:easee-gas.eu.edigas.marketsituation.marketsituationdocu-
ment:5:1:6">
<identification>8426251</identification>
<version>6</version>
<type>95G</type>
<creationDateTime>2018-09-28T05:45:29Z</creationDateTime>
<validityPeriod>2018-09-25T04:00Z/2018-09-26T04:00Z</validityPeriod>
<issuer_MarketParticipant.identification codingScheme="305">10X1001A1001A248</issuer_MarketParticipant.identification>
<issuer_MarketParticipant.marketRole.code>ZSO</issuer_MarketParticipant.marketRole.code>
<recipient_MarketParticipant.identification codingScheme="305">10X0000000000000</recipient_MarketParticipant.identification>
<recipient_MarketParticipant.marketRole.code>ZSH</recipient_MarketParticipant.marketRole.code>
<ConnectionPoint>
<identification codingScheme="305">21Y---A001A003-5</identification>
<Account>
<identification codingScheme="ZSO">DS000XXX</identification>
<type>ZOE</type>
<externalAccount codingScheme="ZSO">DS000YYY</externalAccount>
<TimeSeries>
<type>Z01</type>
<measureUnit.code>KW1</measureUnit.code>
<Period>
<timeInterval>2018-09-25T04:00Z/2018-09-26T04:00Z</timeInterval>
<Quantity>
<direction.code>Z02</direction.code>
<amount>0</amount>
</Quantity>
</Period>
</TimeSeries>
</Account>
</ConnectionPoint>
</MarketSituation_Document>
```

Example of Causer point allocation.

```
<?xml version="1.0" encoding="UTF-8"?>
<MarketSituation_Document xmlns="urn:easee-gas.eu.edigas.marketsituation.marketsituationdocument:5:1:6"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="urn:easee-gas.eu.edigas.marketsituation.marketsituationdocu-
ment:5:1:6">
<identification>84</identification>
<version>1</version>
<type>95G</type>
<creationDateTime>2022-10-01T05:05:29Z</creationDateTime>
<validityPeriod>2022-10-01T04:00Z/2022-10-01T05:00Z</validityPeriod>
<issuer_MarketParticipant.identification codingScheme="305">10X1001A1001A248</issuer_MarketParticipant.identification>
<issuer_MarketParticipant.marketRole.code>ZSO</issuer_MarketParticipant.marketRole.code>
<recipient_MarketParticipant.identification codingScheme="305">10X0000000000000</recipient_MarketParticipant.identification>
<recipient_MarketParticipant.marketRole.code>ZSH</recipient_MarketParticipant.marketRole.code>
<ConnectionPoint>
<identification codingScheme="305">45W000000001579</identification>
<TimeSeries>
<type>Z01</type>
<measureUnit.code>KWH</measureUnit.code>
<Period>
<timeInterval>2020-10-01T04:00Z/2022-10-01T05:00Z</timeInterval>
<Quantity>
<direction.code>Z02</direction.code>
<amount>3000</amount>
</Quantity>
</Period>
</TimeSeries>
</ConnectionPoint>
</MarketSituation_Document>
```

Feltkode ændret

6.3 Monthly allocation document

A monthly allocation document will be sent to the BRP per entry/exit point for the fully transport on the connection points listed in section 4.10 in this document.

6.3.1 MARSIT 96G

```
<?xml version="1.0" encoding="UTF-8"?>
<MarketSituation_Document xmlns="urn:easee-gas.eu:edigas:marketsituation:marketsituationdocument:5:1:6"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="urn:easee-gas.eu:edigas:marketsituation:marketsituationdocu-
ment:5:1:5">
<identification>8433560</identification>
<version>1</version>
<type>96G</type>
<creationDateTime>2018-09-28T06:53:07Z</creationDateTime>
<validityPeriod>2018-06-01T04:00Z/2018-07-01T04:00Z</validityPeriod>
<issuer_MarketParticipant.identification codingScheme="305">10X1001A1001A248</issuer_MarketParticipant.identification>
<issuer_MarketParticipant.marketRole.code>ZSO</issuer_MarketParticipant.marketRole.code>
<recipient_MarketParticipant.identification codingScheme="305">10X0000000000000</recipient_MarketParticipant.identification>
<recipient_MarketParticipant.marketRole.code>ZSH</recipient_MarketParticipant.marketRole.code>
<ConnectionPoint>
<identification codingScheme="305">21Y---A001A004-2</identification>
<Account>
<identification codingScheme="ZSO">DS000XX</identification>
<type>ZOE</type>
<externalAccount codingScheme="ZSO">CE000001</externalAccount>
<TimeSeries>
<type>Z01</type>
<measureUnit.code>KW1</measureUnit.code>
<Period>
<timeInterval>2018-06-01T04:00Z/2018-06-02T04:00Z</timeInterval>
<Quantity>
<direction.code>Z02</direction.code>
<amount>70000</amount>
</Quantity>
</Period>
<Period>
<timeInterval>2018-06-02T04:00Z/2018-06-04T04:00Z</timeInterval>
<Quantity>
<direction.code>Z02</direction.code>
<amount>50000</amount>
</Quantity>
</Period>
....
<Period>
<timeInterval>2018-06-29T04:00Z/2018-06-30T04:00Z</timeInterval>
<Quantity>
<direction.code>Z02</direction.code>
<amount>55000</amount>
</Quantity>
</Period>
<Period>
<timeInterval>2018-06-30T04:00Z/2018-07-01T04:00Z</timeInterval>
<Quantity>
<direction.code>Z02</direction.code>
<amount>35000</amount>
</Quantity>
</Period>
</TimeSeries>
</Account>
</ConnectionPoint>
</MarketSituation_Document>
```

6.4 METRED

The TSO is obliged to send Within Data for Daily Metered sites located in the distribution areas. Energinet Gas TSO will send these data for the Danish part of the JEZ, The Danish RES Entry and on behalf of Swedegas. Energinet Gas TSO will send these data for the Swedish part of the JEZ. These data will be re-sent via messages described in the METRED document. Please observe that it is not directly metered data, but a sum of metered data from the distribution areas per gas supplier. Energinet also sends an intraday residual value (IDR) for each distribution area

and a forecast for nDMS usage of the Balance Responsible Party's own nDMS portfolios for the next gas day via the METRED document. These data can only be distinguished by the difference of the portfolio code. The Edig@s XML 5.1 message guide provides no reference code for the connection. This also includes Energinet sending data regarding new data sending structure according to the new balancing model for the data received from the metering responsible party.

6.4.1 METRED 51G

```
<?xml version="1.0" encoding="UTF-8"?>
<MeterReading_Document release="3" xmlns="urn:easeegas.eu:edigas:settlement:meterreadingdocument:5:1:3"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="urn:easeegas.eu:edigas:settlement:meterreadingdocu-
ment:5:1:3">
<identification>109866</identification>
<version>1</version>
<type>51G</type>
<creationDateTime>2017-07-28T10:43:01Z</creationDateTime>
<validityPeriod>2017-05-19T04:00Z/2017-05-19T10:00Z</validityPeriod>
<contractReference>DS00XXX</contractReference>
<issuer_MarketParticipant.identification codingScheme="305">10X1001A1001A248</issuer_MarketParticipant.identification>
<issuer_MarketParticipant.marketRole.code>ZSO</issuer_MarketParticipant.marketRole.code>
<recipient_MarketParticipant.identification codingScheme="305">10X0000000000</recipient_MarketParticipant.identification>
<recipient_MarketParticipant.marketRole.code>ZSH</recipient_MarketParticipant.marketRole.code>
<Meter>
<identification codingScheme="ZSO">5715151983XXXXXX</identification>
<MeasuredType_Quantity>
<type>ZFL</type>
<measureUnit.code>KW1</measureUnit.code>
<Period>
<timeInterval>2017-05-19T04:00Z/2017-05-19T05:00Z</timeInterval>
<quantity.amount>513144</quantity.amount>
<direction.code>Z02</direction.code>
<status.code>04G</status.code>
</Period>
<Period>
<timeInterval>2017-05-19T05:00Z/2017-05-19T06:00Z</timeInterval>
<quantity.amount>565444</quantity.amount>
<direction.code>Z02</direction.code>
<status.code>04G</status.code>
</Period>
<Period>
<timeInterval>2017-05-19T06:00Z/2017-05-19T07:00Z</timeInterval>
<quantity.amount>56544</quantity.amount>
<direction.code>Z02</direction.code>
<status.code>04G</status.code>
</Period>
<Period>
<timeInterval>2017-05-19T07:00Z/2017-05-19T08:00Z</timeInterval>
<quantity.amount>5485464</quantity.amount>
<direction.code>Z02</direction.code>
<status.code>04G</status.code>
</Period>
<Period>
<timeInterval>2017-05-19T08:00Z/2017-05-19T09:00Z</timeInterval>
<quantity.amount>565444</quantity.amount>
<direction.code>Z02</direction.code>
<status.code>04G</status.code>
</Period>
<Period>
<timeInterval>2017-05-19T09:00Z/2017-05-19T10:00Z</timeInterval>
<quantity.amount>55444</quantity.amount>
<direction.code>Z02</direction.code>
<status.code>04G</status.code>
</Period>
</MeasuredType_Quantity>
</Meter>
<identification codingScheme="ZSO">5715151983YYYYYYY</identification>
<MeasuredType_Quantity>
<type>ZFL</type>
<measureUnit.code>KW1</measureUnit.code>
<Period>
<timeInterval>2017-05-19T04:00Z/2017-05-19T05:00Z</timeInterval>
<quantity.amount>544</quantity.amount>
<direction.code>Z03</direction.code>
<status.code>04G</status.code>
</Period>
<Period>
<timeInterval>2017-05-19T05:00Z/2017-05-19T06:00Z</timeInterval>
<quantity.amount>543</quantity.amount>
<direction.code>Z03</direction.code>
<status.code>04G</status.code>
</Period>
<Period>
<timeInterval>2017-05-19T06:00Z/2017-05-19T07:00Z</timeInterval>
<quantity.amount>544</quantity.amount>
<direction.code>Z03</direction.code>
<status.code>04G</status.code>
</Period>
<Period>
<timeInterval>2017-05-19T07:00Z/2017-05-19T08:00Z</timeInterval>
```

```

<quantity.amount>545</quantity.amount>
<direction.code>Z03</direction.code>
<status.code>04G</status.code>
</Period>
<Period>
<timeInterval>2017-05-19T08:00Z/2017-05-19T09:00Z</timeInterval>
<quantity.amount>547</quantity.amount>
<direction.code>Z03</direction.code>
<status.code>04G</status.code>
</Period>
<Period>
<timeInterval>2017-05-19T09:00Z/2017-05-19T10:00Z</timeInterval>
<quantity.amount>540</quantity.amount>
<direction.code>Z03</direction.code>
<status.code>04G</status.code>
</Period>
</MeasuredType_Quantity>
</Meter>
</MeterReading_Document>

```

6.5 Imbalance document

The BRP receives an Imbalance document containing the imbalance for the hour following the completed hour and day following a completed gas day. The BRP will also be informed of imbalances by Energinet after the month for the full monthly dataset. Please notice the daily and the monthly document will be identical, except from the number of days contained in the document and the <creationDateTime> segment. The imbalance is sent in the same process as the daily or monthly MARSIT.

6.5.1 MARSIT 14G - Shipper

Document is sent in both the hourly, daily, and monthly process.

Hourly (IASB):

```

<?xml version="1.0" encoding="utf-8"?>
<MarketSituation_Document xsi:schemaLocation="urn:easee-gas.eu:edigas:marketsituation:marketsituationdocument:5:1:6" xmlns="urn:easee-gas.eu:edigas:marketsituation:marketsituationdocument:5:1:6" xmlns:ns0="http://energinet.dk/edigas"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <identification>897</identification>
  <version>1</version>
  <type>14G</type>
  <creationDateTime>2022-10-01T06:25:02Z</creationDateTime>
  <validityPeriod>2022-10-01T04:00Z/2022-10-01T05:00Z</validityPeriod>
  <issuer_MarketParticipant.identification codingScheme="305">10X1001A1001A248</issuer_MarketParticipant.identification>
  <issuer_MarketParticipant.marketRole.code>ZSO</issuer_MarketParticipant.marketRole.code>
  <recipient_MarketParticipant.identification codingScheme="305">00X0000000000000</recipient_MarketParticipant.identification>
  <recipient_MarketParticipant.marketRole.code>ZSH</recipient_MarketParticipant.marketRole.code>

  <Account>
    <identification codingScheme="ZSO">DS000XXX</identification>
    <type>ZOE</type>
    <TimeSeries>
      <type>ZXM</type>
      <measureUnit.code>KWH</measureUnit.code>
      <Period>
        <timeInterval>2022-10-01T04:00Z/2022-10-01T05:00Z</timeInterval>
        <accountDirection.Code>ZPD</accountDirection.Code>
        <accountDirection.account_Quantity.amount>900</accountDirection.account_Quantity.amount>
      </Period>
    </TimeSeries>
  </Account>
</MarketSituation_Document>

```

Daily:

```

<?xml version="1.0" encoding="utf-8"?>
<MarketSituation_Document xsi:schemaLocation="urn:easee-gas.eu:edigas:marketsituation:marketsituationdocument:5:1:6" xmlns="urn:easee-gas.eu:edigas:marketsituation:marketsituationdocument:5:1:6" xmlns:ns0="http://energinet.dk/edigas"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <identification>8897</identification>
  <version>1</version>

```

```

<type>14G</type>
<creationDateTime>2019-01-24T09:25:02Z</creationDateTime>
<validityPeriod>2019-01-22T05:00Z/2019-01-23T05:00Z</validityPeriod>
<issuer_MarketParticipant.identification codingScheme="305">10X1001A1001A248</issuer_MarketParticipant.identification>
<issuer_MarketParticipant.marketRole.code>ZSO</issuer_MarketParticipant.marketRole.code>
<recipient_MarketParticipant.identification codingScheme="305">21X000000000000</recipient_MarketParticipant.identification>
<recipient_MarketParticipant.marketRole.code>ZSH</recipient_MarketParticipant.marketRole.code>

<Account>
<identification codingScheme="ZSO">DS000XXX</identification>
<type>ZOE</type>
<TimeSeries>
<type>ZXM</type>
<measureUnit.code>KWH</measureUnit.code>
<Period>
<timeInterval>2019-01-22T05:00Z/2019-01-23T05:00Z</timeInterval>
<accountDirection.Code>ZPD</accountDirection.Code>
<accountDirection.account_Quantity.amount>3900</accountDirection.account_Quantity.amount>
</Period>
</TimeSeries>
</Account>
</MarketSituation_Document>

```

Monthly MARSIT 14G (validated) is send after allocation and balancing of validated data for all point entry/exit pertaining the individual shipper.

6.6 Reconciliation document

If applicable for the BRP, the TSO will send a Reconciliation document for reconciliation of non-daily (nDMS) metered portfolios after the M-15 balancing and calculation of the reconciliation invoices. It will be sent in a MARSIT 16G document.

There is no reconciliation for the Swedish part of JEZ.

6.6.1 MARSIT 16G

```

<?xml version="1.0" encoding="UTF-8"?>
<MarketSituation_Document xmlns="urn:easee-gas.eu:edigas:marketbalancing:marketsituationdocument:5:1:6">
<identification>8433762</identification>
<version>1</version>
<type>16G</type>
<creationDateTime>2018-09-28T08:23:34Z</creationDateTime>
<validityPeriod>2017-02-01T05:00Z/2017-03-01T05:00Z</validityPeriod>
<issuer_MarketParticipant.identification codingScheme="305">10X1001A1001A248</issuer_MarketParticipant.identification>
<issuer_MarketParticipant.marketRole.code>ZSO</issuer_MarketParticipant.marketRole.code>
<recipient_MarketParticipant.identification codingScheme="305">10X000000000000</recipient_MarketParticipant.identification>
<recipient_MarketParticipant.marketRole.code>ZSH</recipient_MarketParticipant.marketRole.code>
<ConnectionPoint>
<identification codingScheme="305">21Y000000000003Q</identification>
<Account>
<identification codingScheme="ZSO">57151519831XXXXX</identification>
<type>ZOE</type>
<TimeSeries>
<type>ZXJ</type>
<measureUnit.code>KWH</measureUnit.code>
<Period>
<timeInterval>2017-02-01T05:00Z/2017-03-01T05:00Z</timeInterval>
<status.code>05G</status.code>
<accountDirection.Code>ZPE</accountDirection.Code>
<accountDirection.account_Quantity.amount>1123123</accountDirection.account_Quantity.amount>
</Period>
</TimeSeries>
<TimeSeries>
<type>Z40</type>
<measureUnit.code>KWH</measureUnit.code>
<Period>
<timeInterval>2017-02-01T05:00Z/2017-03-01T05:00Z</timeInterval>
<status.code>05G</status.code>
<accountDirection.Code>ZPE</accountDirection.Code>
<accountDirection.account_Quantity.amount>85</accountDirection.account_Quantity.amount>
</Period>
</TimeSeries>
</Account>
</ConnectionPoint>
</MarketSituation_Document>

```

6.7 ACKNOW 294

When receiving a document an acknowledgement is always sent to give the status of processing.

Below is a negative example of an ACKNOW 294 sent from Energinet as a response to a NOMINT:

```
<?xml version="1.0" encoding="utf-8"?>
<Acknowledgement_Document release="1" version="Edigas5.1" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:namespaceSchemaLocation="urn:easee-gas-eu-edigas-general-acknowledgementdocument-5-1.xsd">
<identification>7000000001</identification>
<version>1</version>
<type>294</type>
<creationDateTime>2018-07-27T11:54:14Z</creationDateTime>
<issuer_MarketParticipant.identification codingScheme="305">10X1001A1001A248</issuer_MarketParticipant.identification>
<issuer_MarketParticipant.marketRole.code>ZSO</issuer_MarketParticipant.marketRole.code>
<recipient_MarketParticipant.identification codingScheme="305">23X000000000</recipient_MarketParticipant.identification>
<recipient_MarketParticipant.marketRole.code>ZSH</recipient_MarketParticipant.marketRole.code>
<receiving_Document.identification>NOMINTXXXX</receiving_Document.identification>
<receiving_Document.version>1</receiving_Document.version>
<receiving_Document.type>01G</receiving_Document.type>
<receiving_Document.creationDateTime>2018-05-03T05:22:00Z</receiving_Document.creationDateTime>
<Reason>
<code>68G</code>
<text>Validity period must cover one or more complete gas days.</text>
</Reason>
<Reason>
<code>68G</code>
<text>File was received too late</text>
</Reason>
</Acknowledgement_Document>
```

Example of positive acknowledgement:

```
<identification>8782431</identification>
<version>1</version>
<type>294</type>
<creationDateTime>2018-12-10T14:44:30Z</creationDateTime>
<issuer_MarketParticipant.identification codingScheme="305">10X1001A1001A248</issuer_MarketParticipant.identification>
<issuer_MarketParticipant.marketRole.code>ZSO</issuer_MarketParticipant.marketRole.code>
<recipient_MarketParticipant.identification codingScheme="305">21X-DE-D-A0A0A-K</recipient_MarketParticipant.identification>
<recipient_MarketParticipant.marketRole.code>ZSH</recipient_MarketParticipant.marketRole.code>
<receiving_Document.identification>NOMINT20181209270767</receiving_Document.identification>
<receiving_Document.version>1</receiving_Document.version>
<receiving_Document.type>01G</receiving_Document.type>
<receiving_Document.creationDateTime>2018-12-10T14:40:05Z</receiving_Document.creationDateTime>
<Reason>
<code>01G</code>
</Reason>
</Acknowledgement_Document>
```

<code>01G</code>: The message is read, checked, and understood.

7. Smooth Max document:

As a document for Smax information to the shipper from the TSO do not exists in the Edigas library Energinet has developed an Edigas like messages for this purpose which is built on the Edigas imbalance notice MARSIT 14G

Please observe that this document will **not** validate against the XSD for MARSIT version 5.1.6

```
<?xml version="1.0" encoding="UTF-8" ?>
<MarketSituation_Document xmlns="urn:easee-gas.eu:edigas:marketbalancing:marketsituationdocument:5:1:6">
<identification>00000000000000000000000000000001</identification>
<version>1</version>
<type>14G</type>
<creationDateTime>2022-09-14T07:35:35Z</creationDateTime>
<validityPeriod>2022-09-14T04:00Z/2022-09-15T04:00Z</validityPeriod>
<issuer_MarketParticipant.identification codingScheme="305">10X1001A1001A248</issuer_MarketParticipant.identification>
<issuer_MarketParticipant.marketRole.code>ZSO</issuer_MarketParticipant.marketRole.code>
<recipient_MarketParticipant.identification codingScheme="305">00X000000000XXXX</recipient_MarketParticipant.identification>
```

```
<recipient_MarketParticipant.marketRole.code>ZSH</recipient_MarketParticipant.marketRole.code>
<applicationContext codingScheme="ZSO">SMOOTH-MAX</applicationContext>
<Account>
<identification codingScheme="ZSO">DS000XXX</identification>
<type>ZOE</type>
<TimeSeries>
<type>Z40</type>
<measureUnit.code>KW1</measureUnit.code>
<Period>
<timeInterval>2022-09-14T04:00Z/2022-09-15T04:00Z</timeInterval>
<accountDirection.Code>ZPD</accountDirection.Code>
<accountDirection.account_Quantity.amount>11111</accountDirection.account_Quantity.amount>
</Period>
</TimeSeries>
</Account>
</MarketSituation_Document>
```

8. XML 5.1 document check

The test communication procedure consists of a full positive test of the documents needed for the BRP market participation in Denmark e.g.: a BRP who's only trade's gas do not need to test receiving a reconciliation document from Energinet. The setup furthermore requires a full positive test of connecting via AS2 until further notice.

9. References

1. Edigas.org Message Implementation Guide for XML 5.1
Link: <http://www.edigas.org/download/105/>