

Edig@s XML 4.0 Document Guide
With
Joint Exit Zone -
Energinet Gas TSO

1. Version Management

1.1 Change history

Version	Date	Change	Author
1.0	2011-12-15	Version started	Henrik Kjøller
1.1	2011-12-21	- Clarifications to <Identification> - <NOMRES>: Status changed to 16G	Henrik Kjøller
1.1	2012-01-09	ALOCAT: <Allocation scheme> removed.	Henrik Kjøller
1.1.	2012-01-19	IMBNOT: correction to TRADE part	Henrik Kjøller
1.2	2012-02-27	2.4.1 IMBNOT definition change	Henrik Kjøller
1.2.1	2012-03-09	Minor corrections to messages in NOMINT, NOMRES, and ALOC examples.	Henrik Kjøller
2.0	2013-10-23	GASDAT implemented into document.	Henrik Kjøller
3.0	2017-04-06	Editorial changes (logo etc.)	
4.0	2019-01-18	Joint Exit Zone implemented	Henrik Kjøller

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3. Introduction

This document describes in detail the contents of nomination, confirmation and allocation messages exchanged between Balance Responsible Parties and Energinet GAS TSO. 1st of April 2019.

For the exchange of messages, Energinet will use the internet combined with the AS2 or AS4 protocol for the transfer and security of the Edig@s messages. The AS2/AS4 communication will use security certificates for signing and encryption.

AS2/AS4 communication for the Balance Responsible Party applies to communication by Edig@s XML. Communication via SMTP protocol is no longer available. If the Balance Responsible party chooses not to use AS2 or AS4, Energinet Online is the only other option to nominate to Energinet GAS TSO.

Energinet uses Edig@s 4.0 XML or Edig@s 5.1 for the nomination process. The Edig@s 5.1 version is described in a separate document. New Balance Responsible Parties are advised to use version 5.1. The present version Edig@s XML 4.0 will not be upgraded further.

This document addresses the functional contents of the messages. The following chapters show examples of messages.

Messages supported in this document:

NOMINT
NOMRES
ALOCAT
IMBNOT
ACCPOS
GASDAT
APERAK

This document is only available in English.

4. References

Implementation guides for XML messages (M.I.G.) NOMINT, NOMRES, ALOCAT, IMBNOT, ACCPOS, GASDAT and APERAK can be found at <http://www.edigas.org>.

5. Abbreviations

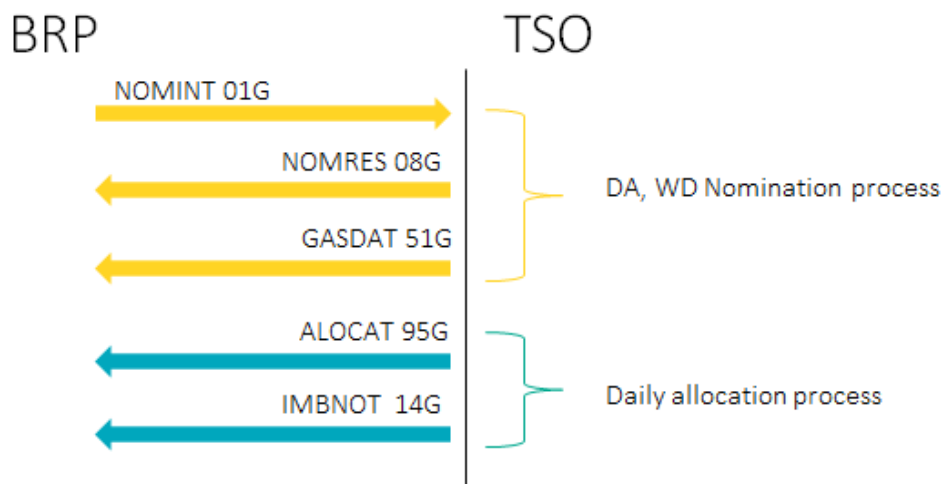
TSO	Transmission System Operator
SSO	Storage System Operator
GTF	Gas Transfer Facility
ETF	PEGAS Exchange Trading Facility
LT000XXX	Internal storage customer number with Gas Storage Denmark A/S
DS000XXX	Danish Balance Responsible Party code used by Energinet

CE000001	PEGAS Nord Pool Gas Balance Responsible Party code with Energinet
SBXXXXXX	Swedish Balance Responsible Party code used by Swedegas. Not used after 01.04.2019
EIC	Code given by ENTSO-E/G or LIO(Local Issuing Office)
UTC	Universal Time Coordinated
JEZ	Joint Exit Zone
BRP	Balance Responsible Party. Also called shipper on Gas online
GRSN	Global Service Relation Number used for identifying portfolios

There are no general abbreviations for German Balance Responsible Party codes. A foreign BRP code has to be provided by the relevant adjacent TSO.

6. Daily nomination process

A graphic overview of the daily nomination and allocation processes can be found in the figure below.



6.1 Nomination and allocation deadlines (daily)

Message type	Deadline
NOMINT 01G (Initial)	Initial nomination for a gas day must be received the day before at 14.00 on the previous gas day.
NOMRES 08G	After receiving NOMINT from the Balance Responsible Party, the TSO will send NOMRES 08G to the Balance Responsible Party xx:05 after the result is matched.
NOMINT 01G (Re-nomination)	The Balance Responsible Party may send a re-nomination NOMINT 01G every hour with a lead time according to EASEE gas CBP 2009-03-03.
NOMRES 08G (Re-nomination)	After receiving NOMINT from the Balance Responsible Party, the TSO will send NOMRES 08G to the Balance

	Responsible Party xx:05 after the result is matched.
ALOCAT 95G/96G	Before 14.00 the TSO will send the Balance Responsible Party an ALOCAT containing allocations for the gas day that has just ended. This will have the status 95G. After the month validated allocations with the status 96G will be sent to the Balance Responsible Party.
IMBNOT 14G/16G	The TSO will send an IMBNOT 14G (imbalance notice) just after sending allocations describing the daily imbalance. After reconciliation the TSO will send an IMBNOT with status 16G for non-daily metered sites for BRPs active in the Danish part of JEZ.
GASDAT 51G	Within day data is send once before the gasday and 5 times during the gasday for RES Entry and JEZ portfolios. They contain forecasts or metered data. GASDAT is sent as a part of Balancing NC compliance (not shown in nomination process).

All messages must be confirmed by the recipient by sending an APERAK within 10 minutes.

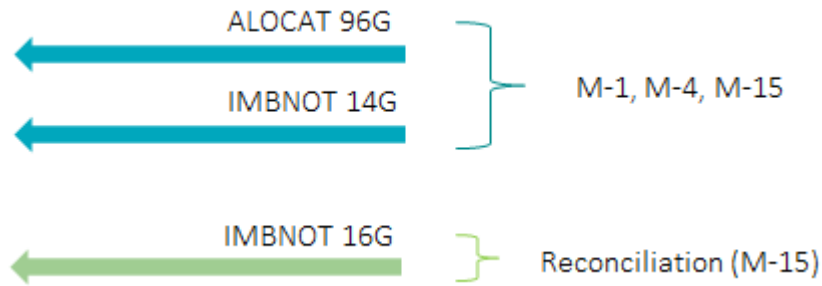
6.2 Monthly Allocation and reconciliation process

At the end of the month, the Balance Responsible Party will receive allocations and an imbalance notification, when the monthly validation of daily allocations has taken place.

All monthly allocations associated with monthly data are sent with message type 96G. This will also apply to correction rounds (for month -4 and month -15).

After the month the TSO will send IMBNOT 14G, which describes the daily trades for the validated dataset during the month.

After calculation of the reconciliation the Balance Responsible Parties with non-daily metered sites in Denmark receive an imbalance notification 16G (reconciliation). The process is illustrated below.



7. Details of the communication check

7.1 Procedure

The test communication procedure:

- Applying for test (see section 11/12)
- Testing of Edig@s XML 4.0 messages.
 - The Balance Responsible Party sends a test nomination NOMINT to the TSO, and the TSO sends a nomination result 'NOMRES' to the Balance Responsible Party, when it has been processed.
 - The TSO sends an ALOCAT 95G to the Balance Responsible Party.
 - The TSO sends an IMBNOT 14G to the Balance Responsible Party.
 - The TSO sends an IMBNOT 16G to the Balance Responsible Party (Depending on non-daily metered sites in BRP portfolio)
 - The TSO sends two GASDAT 51G to the Balance Responsible if active in JEZ or RES Entry.
 - (The first GASDAT contains 6 hours and the second GASDAT contains 14 hours)

8. Description of Edigas

8.1 Start of a document

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

```
<?xml version="1.0" encoding="UTF-8"?>  
<Nomination Release="1" Version="EGAS40" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"  
xsi:noNamespaceSchemaLocation="P2-1-nomint.xsd">
```

8.2 Identification

Identifies the messages type:

```
<Identification v="NOMINT20110111A123456789"/>
```

8.3 Type

Identifies the type of the message given in Identification

```
<Type v="01G"/>
```

8.4 Date format and time intervals

UTC date time 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 timeseries represent multiples of one gas day.

Examples:

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

Nomination in UTC and full gas days is mandatory.

8.5 Contract Reference

Contract reference must be the BRP's shippercode supplied by Energinet.

```
<ContractReference v="DS000XXX"/>
<ContractType v="CT"/>
```

8.6 Party identification

Energinet allows only one method of identifying companies:

Party	Edig@s Party identifier code	Coding scheme
Energinet	10X1001A1001A248	305
Balance Responsible Party	EIC_CODE	305

```
<RecipientIdentification codingScheme="305" v="10X1001A1001A248"/>
```

A Balance Responsible Party registered with Energinet must nominate using his EIC-code. If the Balance Responsible Party has no EIC code, he can apply for one at [the Danish LJO office at eic-administration@energinet.dk](mailto:eic-administration@energinet.dk)

```
<IssuerIdentification codingScheme="305" v="EIC-CODE"/>
```

Issuer and Recipient Role have to be the following:

```
<IssuerRole v="ZSH"/>
<RecipientRole v="ZSO"/>
```

8.7 Connection Point identification

Energinet allows only one method of assigning the connection point:

Connection Point	EIC code	Coding scheme	Nomination Rule*
Gas Storage Denmark A/S	45W000000000112V	305	Required/ ZERO
Nybro	21Z0000000000252	305	Required
GTF	21Y---A001A003-5	305	Optional
ETF	21Y---A001A004-2	305	None
Ellund	21Y---A001A002-8	305	Optional
Dragør (to 31.03.2019)	21Z000000000027Z	305	Optional
Exit Zone (to 31.03.2019)	GSRN	ZSO	Required/copy
Joint Exit Zone Danish points	GSRN	ZSO	Required/copy
Joint Exit Zone Swedish points	GSRN	ZSO	None
RES Entry DK	GSRN	ZSO	Required/copy

<ConnectionPoint codingScheme="305" v="45W00000000112V"/> Gas Storage Denmark A/S

<ConnectionPoint codingScheme="ZSO" v="57151519983xxxxxx"/> Portfolio GLN id

<ConnectionPoint codingScheme="ZSO" v="571515198310700061"/> CONS-SE Total consumption

***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.

For RES Entry and JEZ, the GSRN portfolio code is used for the connection Point.

8.7.1 Swedish portfolios

The following table describes the Swedish points in the Joint Balancing Zone. Different GSRNs (Swedish portfolios) are used for day before, within day, nomination and allocation as indicated by no/yes.

The Swedish portfolios (GSRNs)

Location	GSRN	Day before	Within day 5 times	Nomination result	Non valid allocation	Valid allocation
nDMS-SE Consumption	571515198310700078	Yes Forecast Daily sum	Yes Forecast Daily sum	no	yes	no
sDMS-SE Consumption DMS <1.800.000 m3 per year	571515198310700085	Yes Forecast Daily sum	Yes Forecast Daily sum	no	no	no
iDMS-SE Consumption DMS >= 1.800.000 m3 per year	571515198310700092	no	Yes	no	no	no
CONS-SE Total consumption	571515198310700061	no	no	yes	no	no
nDMS-M-SE: Consumption monthly metered	571515198310700016	no	no	no	no	yes
nDMS-Y-SE : Consumption yearly metered	571515198310700023	no	no	no	no	yes
DMS-SE: Consumption	571515198310700030	no	no	no	yes	yes

STORAGE-SE: Skallen Storage exit/entry	571515198310700047	no	no	yes	yes	yes
RES-SE: RES entry Produc- tion SE	571515198310700054	no	no	yes	yes	yes

These points will be sent together with the Danish part of JEZ.

Energinet will for GASDAT message use Coding scheme 9 for portfolios.

`<MeasurePoint codingScheme="9" v="5715151983XXXXXXXX"/>`

8.8 Direction

The nomination direction must be as seen from Energinet 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 nominations are 0 (Zero), the Default value is Z02.

`<Direction v="Z02"/>`

8.9 Qualifiers

The measuring unit of NOMINT, NOMRES, and ALOCAT:

The unit is always kWh/h, [KW1]

`<MeasureUnit v="KW1"/>`

For the IMBNOT message, the unit KWH will be used.

`<MeasureUnit v="KWH"/>`

For daily forecasts in the GASDAT message, the unit KW2 will be used.

`<MeasureUnit v="KW2"/>`

8.10 Document completeness

There is no limit in relation to time interval for nomination in messages.
The time interval must be one gas day or multiples of gas days.

Nomination for one gas day:

<TimeInterval v="2011-05-01T05:00Z/2011-05-02T05:00Z"/>

Time interval in nomination for gas days for a whole month:

<TimeInterval v="2011-05-01T04:00Z/2011-06-01T04:00Z"/>

Energinet recommends sending for one gas day only at the time.

It is acceptable to send 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 hours overlapping in the time interval.

Energinet will always send NOMRES and ALOCAT in the longest time interval possible (eg 'flat' NOMRES will result in a time interval of one gas day). All messages sent will be for one gas day only except monthly ALOCAT and IMBNOT message.

<TimeInterval v="2011-05-01T05:00Z/2011-05-02T05:00Z"/>

The GASDAT message will contain the start of the hour.

<EffectiveDateTime v="2013-07-01T04:00:00Z"/>

Please note that the last hour will end one hour earlier than the Validity Period,

8.11 Account identification

For the Exit Zone and BNG Entry, the Balance Responsible Party's POOL agreement is used as the account definition:

<AccountIdentification codingScheme="ZSO" v="POOL-YY"/> 'Energinet Balance Responsible Party

For the GTF and ETF points, the Balance Responsible Party account identification is given by the counterpart.

AccountIdentification codingScheme="ZSO" v="DS000XXX"/> 'Counter Party at GTF
AccountIdentification codingScheme="ZSO" v="CE000001"/> 'Counter Party at ETF

The Balance Responsible Party account identification for all other points is always given by the foreign Balance Responsible Party code:

<AccountIdentification codingScheme="ZSO" v="SB000XXX"/> 'Foreign Balance Responsible Party Code

Please see www.easee-gas.org for further information.

9. Edig@s 4 XML example messages

All xml schemas (.xsd) can be found at www.edigas.org.

9.1 NOMINT

NOMINT is the message from a Balance Responsible Party notifying the TSO of the transport needed and where it is needed.

Nomination for the Swedish points to Energinet will be disregarded. Nominations for these points must be send to the Swedish TSO.

9.1.1 NOMINT to Energinet at Joint Exit Zone

```
<?xml version="1.0" encoding="UTF-8"?>
<Nomination Release="1" Version="EGAS40" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="P2-1-nomint.xsd">
  <Identification v="NOMINT20110111A123456789"/>
  <Type v="01G"/>
  <CreationDateTime v="2010-01-12T19:44:00Z"/>
  <ValidityPeriod v="2011-01-12T05:00Z/2011-01-13T05:00Z"/>
  <ContractReference v="DS000XXX"/>
  <ContractType v="CT"/>
  <IssuerIdentification codingScheme="305" v="EIC-CODE"/>
  <IssuerRole v="ZSH"/>
  <RecipientIdentification codingScheme="305" v="10X1001A1001A248"/>
  <RecipientRole v="ZSO"/>
  <ConnectionPointInformation>
    <LineNumber v="1"/>
    <ConnectionPoint codingScheme="ZSO" v="5715151983xxxxxxx "/>
    <AccountIdentification codingScheme="ZSO" v="POOL-YY"/>
    <AccountRole v="ZES"/>
    <Period>
      <TimeInterval v="2011-01-12T05:00Z/2011-01-12T14:00Z"/>
      <Direction v="Z03"/>
      <Quantity v="48531"/>
      <MeasureUnit v="KW1"/>
    </Period>
    <Period>
      <TimeInterval v="2011-01-12T14:00Z/2011-01-12T16:00Z"/>
      <Direction v="Z02"/>
      <Quantity v="0"/>
      <MeasureUnit v="KW1"/>
    </Period>
    <Period>
      <TimeInterval v="2011-01-12T16:00Z/2011-01-12T18:00Z"/>
      <Direction v="Z03"/>
      <Quantity v="48531"/>
      <MeasureUnit v="KW1"/>
    </Period>
    <Period>
      <TimeInterval v="2011-01-12T18:00Z/2011-01-12T19:00Z"/>
      <Direction v="Z02"/>
      <Quantity v="0"/>
      <MeasureUnit v="KW1"/>
    </Period>
    <Period>
      <TimeInterval v="2011-01-12T19:00Z/2011-01-13T05:00Z"/>
      <Direction v="Z03"/>
      <Quantity v="48531"/>
      <MeasureUnit v="KW1"/>
    </Period>
  </ConnectionPointInformation>
  <ConnectionPointInformation>
    <LineNumber v="2"/>
    <ConnectionPoint codingScheme="ZSO" v="PORTFOLIO_GLN_ID2"/>
    <AccountIdentification codingScheme="ZSO" v="POOL-XX"/>
    <AccountRole v="ZES"/>
    <Period>
      <TimeInterval v="2011-01-12T05:00Z/2011-01-12T14:00Z"/>
      <Direction v="Z03"/>
      <Quantity v="31"/>
      <MeasureUnit v="KW1"/>
    </Period>
    <Period>
      <TimeInterval v="2011-01-12T14:00Z/2011-01-12T16:00Z"/>
      <Direction v="Z02"/>
      <Quantity v="0"/>
      <MeasureUnit v="KW1"/>
    </Period>
    <Period>
      <TimeInterval v="2011-01-12T16:00Z/2011-01-12T18:00Z"/>
      <Direction v="Z03"/>
      <Quantity v="31"/>
      <MeasureUnit v="KW1"/>
    </Period>
    <Period>
      <TimeInterval v="2011-01-12T18:00Z/2011-01-12T19:00Z"/>
      <Direction v="Z02"/>
      <Quantity v="0"/>
      <MeasureUnit v="KW1"/>
    </Period>
  </ConnectionPointInformation>
</Nomination>
```

```

    </Period>
  </Period>
  <TimeInterval v="2011-01-12T19:00Z/2011-01-13T05:00Z"/>
  <Direction v="Z03"/>
  <Quantity v="31"/>
  <MeasureUnit v="KW1"/>
</Period>
</ConnectionPointInformation>
</Nomination>

```

9.1.2 NOMINT to Energinet at Danish RES Entry

```

<?xml version="1.0" encoding="UTF-8"?>
<Nomination Release="1" Version="EGAS40" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="p2-1-nomint.xsd">
  <Identification v="NOMINT20110111A123456789"/>
  <Type v="O1G"/>
  <CreationDateTime v="2010-01-12T19:44:00Z"/>
  <ValidityPeriod v="2011-01-12T05:00Z/2011-01-13T05:00Z"/>
  <ContractReference v="DS000XXX"/>
  <ContractType v="CT"/>
  <IssuerIdentification codingScheme="305" v="EIC-CODE"/>
  <IssuerRole v="ZSH"/>
  <RecipientIdentification codingScheme="305" v="10X1001A1001A248"/>
  <RecipientRole v="ZSO"/>
  <ConnectionPointInformation>
    <LineNumber v="1"/>
    <ConnectionPoint codingScheme="ZSO" v="PORTFOLIO_GLN_ID"/>
    <AccountIdentification codingScheme="ZSO" v="POOL-YY"/>
    <AccountRole v="ZES"/>
    <Period>
      <TimeInterval v="2011-01-12T05:00Z/2011-01-12T14:00Z"/>
      <Direction v="Z02"/>
      <Quantity v="10000"/>
      <MeasureUnit v="KW1"/>
    </Period>
    <Period>
      <TimeInterval v="2011-01-12T14:00Z/2011-01-12T16:00Z"/>
      <Direction v="Z02"/>
      <Quantity v="0"/>
      <MeasureUnit v="KW1"/>
    </Period>
    <Period>
      <TimeInterval v="2011-01-12T16:00Z/2011-01-12T18:00Z"/>
      <Direction v="Z02"/>
      <Quantity v="20000"/>
      <MeasureUnit v="KW1"/>
    </Period>
    <Period>
      <TimeInterval v="2011-01-12T18:00Z/2011-01-12T19:00Z"/>
      <Direction v="Z02"/>
      <Quantity v="0"/>
      <MeasureUnit v="KW1"/>
    </Period>
    <Period>
      <TimeInterval v="2011-01-12T19:00Z/2011-01-13T05:00Z"/>
      <Direction v="Z02"/>
      <Quantity v="30000"/>
      <MeasureUnit v="KW1"/>
    </Period>
  </ConnectionPointInformation>
</Nomination>

```

9.1.3 NOMINT to Energinet at GTF

Example of a Balance Responsible Party nomination for the sale of gas at the GTF point:

(Balance Responsible Party DS000XXX transfers gas to DS000YYY)

```
<?xml version="1.0" encoding="UTF-8"?>
<Nomination Release="1" Version="EGAS40" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="p2-1-nomint.xsd">
  <Identification v="NOMINT20110111A123456789"/>
  <Type v="01G"/>
  <CreationDateTime v="2010-01-11T13:44:56Z"/>
  <ValidityPeriod v="2011-01-12T05:00Z/2011-01-13T05:00Z"/>
  <ContractReference v="DS000XXX"/>
  <ContractType v="CT"/>
  <IssuerIdentification codingScheme="305" v="EIC-CODE"/>
  <IssuerRole v="ZSH"/>
  <RecipientIdentification codingScheme="305" v="10X1001A1001A248"/>
  <RecipientRole v="ZSO"/>
  <ConnectionPointInformation>
    <LineNumber v="1"/>
    <ConnectionPoint codingScheme="305" v="21Y---A001A003-5"/>
    <AccountIdentification codingScheme="ZSO" v="DS000YYY"/>
    <AccountRole v="ZES"/>
    <Period>
      <TimeInterval v="2011-01-12T05:00Z/2011-01-13T05:00Z"/>
      <Direction v="Z03"/>
      <Quantity v="10000"/>
      <MeasureUnit v="KW1"/>
    </Period>
  </ConnectionPointInformation>
</Nomination>
```

The receiver of the gas will send a similar message but the Direction is changed to Z02.

9.1.4 NOMINT to Energinet at ETF (optional)

Nomination for the sale of gas at the ETF point:

```
<?xml version="1.0" encoding="UTF-8"?>
<Nomination Release="1" Version="EGAS40" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="p2-1-nomint.xsd">
  <Identification v="NOMINT20101130A123456789"/>
  <Type v="01G"/>
  <CreationDateTime v="2010-01-12T19:44:00Z"/>
  <ValidityPeriod v="2011-01-12T05:00Z/2011-01-13T05:00Z"/>
  <ContractReference v="DS000XXX"/>
  <ContractType v="CT"/>
  <IssuerIdentification codingScheme="305" v="EIC-CODE"/>
  <IssuerRole v="ZSH"/>
  <RecipientIdentification codingScheme="305" v="10X1001A1001A248"/>
  <RecipientRole v="ZSO"/>
  <ConnectionPointInformation>
    <LineNumber v="1"/>
    <ConnectionPoint codingScheme="305" v="21Y---A001A004-2"/>
    <AccountIdentification codingScheme="ZSO" v="CE000001"/>
    <AccountRole v="ZES"/>
    <Period>
      <TimeInterval v="2011-01-12T05:00Z/2011-01-13T05:00Z"/>
      <Direction v="Z03"/>
      <Quantity v="10000"/>
      <MeasureUnit v="KW1"/>
    </Period>
  </ConnectionPointInformation>
</Nomination>
```

Buying gas from NPG will change the direction to Z02.

9.1.5 NOMINT to Energinet at Ellund

```
<?xml version="1.0" encoding="UTF-8"?>
<Nomination Release="1" Version="EGAS40" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="p2-1-nomint.xsd">
  <Identification v="NOMINT20110111A123456789"/>
  <Type v="01G"/>
  <CreationDateTime v="2011-01-12T19:44:00Z"/>
  <ValidityPeriod v="2011-01-12T05:00Z/2011-01-13T05:00Z"/>
  <ContractReference v="DS000XXX"/>
  <ContractType v="CT"/>
  <IssuerIdentification codingScheme="305" v="EIC-CODE"/>
  <IssuerRole v="ZSH"/>
  <RecipientIdentification codingScheme="305" v="10X1001A1001A248"/>
  <RecipientRole v="ZSO"/>
  <ConnectionPointInformation>
    <LineNumber v="1"/>
    <ConnectionPoint codingScheme="305" v="21Y---A001A002-8"/>
    <AccountIdentification codingScheme="ZSO" v="FOREIGN BALANCE RESPONSIBLE PARTYCODE"/>
    <AccountRole v="ZES"/>
    <Period>
      <TimeInterval v="2011-01-12T05:00Z/2011-01-12T16:00Z"/>
      <Direction v="Z03"/>
      <Quantity v="10000"/>
      <MeasureUnit v="KW1"/>
    </Period>
    <Period>
      <TimeInterval v="2011-01-12T16:00Z/2011-01-13T05:00Z"/>
      <Direction v="Z02"/>
      <Quantity v="10000"/>
      <MeasureUnit v="KW1"/>
    </Period>
  </ConnectionPointInformation>
</Nomination>
```

9.1.6 NOMINT to Energinet at Dragør Border

This will deprecate from gas day 01.04.2019.

```
<?xml version="1.0" encoding="UTF-8"?>
<Nomination Release="1" Version="EGAS40" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="p2-1-nomint.xsd">
  <Identification v="NOMINT20101130A123456789"/>
  <Type v="01G"/>
  <CreationDateTime v="2010-01-12T19:44:00Z"/>
  <ValidityPeriod v="2011-01-12T05:00Z/2011-01-13T05:00Z"/>
  <ContractReference v="DS000XXX"/>
  <ContractType v="CT"/>
  <IssuerIdentification codingScheme="305" v="EIC-CODE"/>
  <IssuerRole v="ZSH"/>
  <RecipientIdentification codingScheme="305" v="10X1001A1001A248"/>
  <RecipientRole v="ZSO"/>
  <ConnectionPointInformation>
    <LineNumber v="1"/>
    <ConnectionPoint codingScheme="305" v="21Z000000000027Z"/>
    <AccountIdentification codingScheme="ZSO" v="SB0XXXXX"/>
    <AccountRole v="ZES"/>
    <Period>
      <TimeInterval v="2011-01-12T05:00Z/2011-01-13T05:00Z"/>
      <Direction v="Z03"/>
      <Quantity v="10000"/>
      <MeasureUnit v="KW1"/>
    </Period>
  </ConnectionPointInformation>
</Nomination>
```

9.1.7 NOMINT to Energinet at Nybro Entry point

```
<?xml version="1.0" encoding="UTF-8"?>
<Nomination Release="1" Version="EGAS40" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="p2-1-nomint.xsd">
  <Identification v="NOMINT20101130A123456789"/>
  <Type v="01G"/>
  <CreationDateTime v="2010-01-12T19:44:00Z"/>
  <ValidityPeriod v="2011-01-12T05:00Z/2011-01-13T05:00Z"/>
  <ContractReference v="DS000XXX"/>
  <ContractType v="CT"/>
  <IssuerIdentification codingScheme="305" v="EIC-CODE"/>
  <IssuerRole v="ZSH"/>
  <RecipientIdentification codingScheme="305" v="10X1001A1001A248"/>
  <RecipientRole v="ZSO"/>
  <ConnectionPointInformation>
    <LineNumber v="1"/>
    <ConnectionPoint codingScheme="305" v="21Z0000000000252"/>
    <AccountIdentification codingScheme="ZSO" v="OS000XXX"/>
    <AccountRole v="ZES"/>
    <Period>
      <TimeInterval v="2011-01-12T05:00Z/2011-01-13T05:00Z"/>
      <Direction v="Z03"/>
      <Quantity v="10000"/>
      <MeasureUnit v="KW1"/>
    </Period>
  </ConnectionPointInformation>
</Nomination>
```

9.1.8 NOMINT to Energinet at the Gas Storage Denmark A/S point

```
<?xml version="1.0" encoding="UTF-8"?>
<Nomination Release="1" Version="EGAS40" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="p2-1-nomint.xsd">
  <Identification v="NOMINT20101130A123456789"/>
  <Type v="01G"/>
  <CreationDateTime v="2010-01-12T19:44:00Z"/>
  <ValidityPeriod v="2011-01-12T05:00Z/2011-01-13T05:00Z"/>
  <ContractReference v="DS000XXX"/>
  <ContractType v="CT"/>
  <IssuerIdentification codingScheme="305" v="EIC-CODE"/>
  <IssuerRole v="ZSH"/>
  <RecipientIdentification codingScheme="305" v="10X1001A1001A248"/>
  <RecipientRole v="ZSO"/>
  <ConnectionPointInformation>
    <LineNumber v="1"/>
    <ConnectionPoint codingScheme="305" v="45W000000000112V"/>
    <AccountIdentification codingScheme="ZSO" v="LT000XXX"/>
    <AccountRole v="ZES"/>
    <Period>
      <TimeInterval v="2011-01-12T05:00Z/2011-01-13T05:00Z"/>
      <Direction v="Z03"/>
      <Quantity v="10000"/>
      <MeasureUnit v="KW1"/>
    </Period>
  </ConnectionPointInformation>
</Nomination>
```

9.2 NOMRES

NOMRES is the answer for matched transport to the Balance Responsible Party from the TSO.

9.2.1 NOMRES from Energinet at the Joint Exit Zone and RES Entry production

This will apply to both the Danish and the Swedish Joint Exit Zone points.

```
<?xml version="1.0" encoding="UTF-8"?>
<NominationResponse Release="1" Version="EGAS40" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="p2-2-nomres.xsd">
  <Identification v="NOMRES20110111A123456789"/>
  <Type v="08G"/>
  <CreationDateTime v="2011-01-12T14:30:26Z"/>
  <ValidityPeriod v="2011-01-12T05:00Z/2011-01-13T05:00Z"/>
  <ContractReference v="DS000XXX"/>
  <ContractType v="CT"/>
  <IssuerIdentification codingScheme="305" v="10X1001A1001A248"/>
  <IssuerRole v="ZSO"/>
  <RecipientIdentification codingScheme="305" v="EIC_CODE"/>
  <RecipientRole v="ZSH"/>
  <ConnectionPointInformation>
    <LineNumber v="1"/>
    <Status v="16G"/>
    <ConnectionPoint codingScheme="ZSO" v="PORTFOLIO_GLN_ID"/>
    <AccountIdentification codingScheme="ZSO" v="POOL-YY"/>
    <AccountRole v="ZES"/>
    <Period>
      <TimeInterval v="2011-01-12T05:00Z/2011-01-12T06:00Z"/>
      <Direction v="Z03"/>
      <Quantity v="48531"/>
      <MeasureUnit v="KW1"/>
    </Period>
    <Period>
      <TimeInterval v="2011-01-12T06:00Z/2011-01-12T07:00Z"/>
      <Direction v="Z03"/>
      <Quantity v="48361"/>
      <MeasureUnit v="KW1"/>
    </Period>
    <Period>
      <TimeInterval v="2011-01-12T07:00Z/2011-01-12T08:00Z"/>
      <Direction v="Z03"/>
      <Quantity v="48531"/>
      <MeasureUnit v="KW1"/>
    </Period>
    <Period>
      <TimeInterval v="2011-01-12T08:00Z/2011-01-12T09:00Z"/>
      <Direction v="Z03"/>
      <Quantity v="45460"/>
      <MeasureUnit v="KW1"/>
    </Period>
    <Period>
      <TimeInterval v="2011-01-12T09:00Z/2011-01-12T10:00Z"/>
      <Direction v="Z03"/>
      <Quantity v="48531"/>
      <MeasureUnit v="KW1"/>
    </Period>
    <Period>
      <TimeInterval v="2011-01-12T10:00Z/2011-01-12T11:00Z"/>
      <Direction v="Z03"/>
      <Quantity v="17652"/>
      <MeasureUnit v="KW1"/>
    </Period>
    <Period>
      <TimeInterval v="2011-01-12T11:00Z/2011-01-12T12:00Z"/>
      <Direction v="Z03"/>
      <Quantity v="17652"/>
      <MeasureUnit v="KW1"/>
    </Period>
    <Period>
      <TimeInterval v="2011-01-12T12:00Z/2011-01-12T13:00Z"/>
      <Direction v="Z03"/>
      <Quantity v="17652"/>
      <MeasureUnit v="KW1"/>
    </Period>
    <Period>
      <TimeInterval v="2011-01-12T13:00Z/2011-01-12T14:00Z"/>
      <Direction v="Z03"/>
    </Period>
  </ConnectionPointInformation>
</NominationResponse>
```

```

    <Quantity v="17652"/>
    <MeasureUnit v="KW1"/>
  </Period>
</Period>
<Period>
  <TimeInterval v="2011-01-12T14:00Z/2011-01-12T15:00Z"/>
  <Direction v="Z03"/>
  <Quantity v="176542"/>
  <MeasureUnit v="KW1"/>
</Period>
</Period>
<Period>
  <TimeInterval v="2011-01-12T15:00Z/2011-01-12T16:00Z"/>
  <Direction v="Z03"/>
  <Quantity v="17653"/>
  <MeasureUnit v="KW1"/>
</Period>
</Period>
<Period>
  <TimeInterval v="2011-01-12T16:00Z/2011-01-12T17:00Z"/>
  <Direction v="Z03"/>
  <Quantity v="17654"/>
  <MeasureUnit v="KW1"/>
</Period>
</Period>
<Period>
  <TimeInterval v="2011-01-12T17:00Z/2011-01-12T18:00Z"/>
  <Direction v="Z03"/>
  <Quantity v="17655"/>
  <MeasureUnit v="KW1"/>
</Period>
</Period>
<Period>
  <TimeInterval v="2011-01-12T18:00Z/2011-01-12T19:00Z"/>
  <Direction v="Z03"/>
  <Quantity v="17656"/>
  <MeasureUnit v="KW1"/>
</Period>
</Period>
<Period>
  <TimeInterval v="2011-01-12T19:00Z/2011-01-12T20:00Z"/>
  <Direction v="Z03"/>
  <Quantity v="17657"/>
  <MeasureUnit v="KW1"/>
</Period>
</Period>
<Period>
  <TimeInterval v="2011-01-12T20:00Z/2011-01-12T21:00Z"/>
  <Direction v="Z03"/>
  <Quantity v="17658"/>
  <MeasureUnit v="KW1"/>
</Period>
</Period>
<Period>
  <TimeInterval v="2011-01-12T21:00Z/2011-01-12T22:00Z"/>
  <Direction v="Z03"/>
  <Quantity v="17659"/>
  <MeasureUnit v="KW1"/>
</Period>
</Period>
<Period>
  <TimeInterval v="2011-01-12T22:00Z/2011-01-12T23:00Z"/>
  <Direction v="Z03"/>
  <Quantity v="17660"/>
  <MeasureUnit v="KW1"/>
</Period>
</Period>
<Period>
  <TimeInterval v="2011-01-12T23:00Z/2011-01-13T00:00Z"/>
  <Direction v="Z03"/>
  <Quantity v="17652"/>
  <MeasureUnit v="KW1"/>
</Period>
</Period>
<Period>
  <TimeInterval v="2011-01-13T00:00Z/2011-01-13T01:00Z"/>
  <Direction v="Z03"/>
  <Quantity v="17652"/>
  <MeasureUnit v="KW1"/>
</Period>
</Period>
<Period>
  <TimeInterval v="2011-01-13T01:00Z/2011-01-13T02:00Z"/>
  <Direction v="Z03"/>
  <Quantity v="17652"/>
  <MeasureUnit v="KW1"/>
</Period>
</Period>
<Period>
  <TimeInterval v="2011-01-13T02:00Z/2011-01-13T03:00Z"/>
  <Direction v="Z03"/>
  <Quantity v="17652"/>
  <MeasureUnit v="KW1"/>
</Period>
</Period>
<Period>
  <TimeInterval v="2011-01-13T03:00Z/2011-01-13T04:00Z"/>
  <Direction v="Z03"/>
  <Quantity v="17652"/>
  <MeasureUnit v="KW1"/>
</Period>

```

```

    </Period>
  </Period>
  <TimeInterval v="2011-01-13T04:00Z/2011-01-13T05:00Z"/>
  <Direction v="Z03"/>
  <Quantity v="15456"/>
  <MeasureUnit v="KW1"/>
</Period>
</ConnectionPointInformation>
</NominationResponse>

```

Energinet answers with a NOMRES in one message per portfolio for all new or changed portfolios in Exit Zone DK and BNG Entry. Any re-nomination will only include changed portfolios corresponding to the changes given by the re-nomination. This might be a subset of BRPA's total portfolios in the Exit Zone.

9.2.2 NOMRES from Energinet at the Ellund point

```

<?xml version="1.0" encoding="UTF-8"?>
<NominationResponse Release="1" Version="EGAS40" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="p2-2-nomres.xsd">
  <Identification v="NOMRES20110111A123456789"/>
  <Type v="08G"/>
  <CreationDateTime v="2011-01-12T14:30:26Z"/>
  <ValidityPeriod v="2011-01-12T05:00Z/2011-01-13T05:00Z"/>
  <ContractReference v="DS000XXX"/>
  <ContractType v="CT"/>
  <IssuerIdentification codingScheme="305" v="10X1001A1001A248"/>
  <IssuerRole v="ZSO"/>
  <RecipientIdentification codingScheme="305" v="EIC_CODE"/>
  <RecipientRole v="ZSH"/>
  <ConnectionPointInformation>
    <LineNumber v="1"/>
    <Status v="16G"/>
    <ConnectionPoint codingScheme="305" v="21Y---A001A002-8"/>
    <AccountIdentification codingScheme="ZSO" v="FOREIGN_SC1"/>
    <AccountRole v="ZES"/>
    <Period>
      <TimeInterval v="2011-01-12T05:00Z/2011-01-13T05:00Z"/>
      <Direction v="Z03"/>
      <Quantity v="50000"/>
      <MeasureUnit v="KW1"/>
    </Period>
  </ConnectionPointInformation>
  <ConnectionPointInformation>
    <LineNumber v="2"/>
    <Status v="16G"/>
    <ConnectionPoint codingScheme="305" v="21Y---A001A002-8"/>
    <AccountIdentification codingScheme="ZSO" v="FOREIGN_SC2"/>
    <AccountRole v="ZES"/>
    <Period>
      <TimeInterval v="2011-01-12T05:00Z/2011-01-13T05:00Z"/>
      <Direction v="Z02"/>
      <Quantity v="30000"/>
      <MeasureUnit v="KW1"/>
    </Period>
  </ConnectionPointInformation>
</NominationResponse>

```

9.2.3 NOMRES from Energinet at the Dragør Point

```

<?xml version="1.0" encoding="UTF-8"?>
<NominationResponse Release="1" Version="EGAS40" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="p2-2-nomres.xsd">
  <Identification v="NOMRES20110111A123456789"/>
  <Type v="08G"/>
  <CreationDateTime v="2011-01-12T14:30:26Z"/>
  <ValidityPeriod v="2011-01-12T05:00Z/2011-01-13T05:00Z"/>
  <ContractReference v="DS000XXX"/>
  <ContractType v="CT"/>
  <IssuerIdentification codingScheme="305" v="10X1001A1001A248"/>
  <IssuerRole v="ZSO"/>
  <RecipientIdentification codingScheme="305" v="EIC_CODE"/>
  <RecipientRole v="ZSH"/>
  <ConnectionPointInformation>
    <LineNumber v="1"/>
    <Status v="16G"/>
    <ConnectionPoint codingScheme="305" v="21Z0000000000027Z"/>
    <AccountIdentification codingScheme="ZSO" v="FOREIGN_SC1"/>
    <AccountRole v="ZES"/>
    <Period>
      <TimeInterval v="2011-01-12T05:00Z/2011-01-13T05:00Z"/>

```

```

        <Direction v="Z02"/>
        <Quantity v="50000"/>
        <MeasureUnit v="KW1"/>
    </Period>
</ConnectionPointInformation>
<ConnectionPointInformation>
<LineNumber v="2"/>
<Status v="16G"/>
<ConnectionPoint codingScheme="305" v="21Z000000000027Z"/>
<AccountIdentification codingScheme="ZSO" v="FOREIGN_SC2"/>
<AccountRole v="ZES"/>
<Period>
    <TimeInterval v="2011-01-12T05:00Z/2011-01-13T05:00Z"/>
    <Direction v="Z02"/>
    <Quantity v="40000"/>
    <MeasureUnit v="KW1"/>
</Period>
</ConnectionPointInformation>
</NominationResponse>

```

9.2.4 NOMRES from Energinet at the Nybro Point

```

<?xml version="1.0" encoding="UTF-8"?>
<NominationResponse Release="1" Version="EGAS40" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="p2-2-nomres.xsd">
    <Identification v="NOMRES20110111A123456789"/>
    <Type v="08G"/>
    <CreationDateTime v="2011-01-12T14:30:26Z"/>
    <ValidityPeriod v="2011-01-12T05:00Z/2011-01-13T05:00Z"/>
    <ContractReference v="DS000XXX"/>
    <ContractType v="CT"/>
    <IssuerIdentification codingScheme="305" v="10X1001A1001A248"/>
    <IssuerRole v="ZSO"/>
    <RecipientIdentification codingScheme="305" v="EIC_CODE"/>
    <RecipientRole v="ZSH"/>
    <ConnectionPointInformation>
    <LineNumber v="1"/>
    <Status v="16G"/>
    <ConnectionPoint codingScheme="305" v="21Z0000000000252"/>
    <AccountIdentification codingScheme="ZSO" v="FOREIGN_SC1"/>
    <AccountRole v="ZES"/>
    <Period>
        <TimeInterval v="2011-01-12T05:00Z/2011-01-13T05:00Z"/>
        <Direction v="Z03"/>
        <Quantity v="50000"/>
        <MeasureUnit v="KW1"/>
    </Period>
    </ConnectionPointInformation>
    <ConnectionPointInformation>
    <LineNumber v="2"/>
    <Status v="16G"/>
    <ConnectionPoint codingScheme="305" v="21Z0000000000252"/>
    <AccountIdentification codingScheme="ZSO" v="FOREIGN_SC2"/>
    <AccountRole v="ZES"/>
    <Period>
        <TimeInterval v="2011-01-12T05:00Z/2011-01-13T05:00Z"/>
        <Direction v="Z03"/>
        <Quantity v="40000"/>
        <MeasureUnit v="KW1"/>
    </Period>
    </ConnectionPointInformation>
</NominationResponse>

```

9.2.5 NOMRES from Energinet at the GTF point

```

<?xml version="1.0" encoding="UTF-8"?>
<NominationResponse Release="1" Version="EGAS40" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="p2-2-nomres.xsd">
    <Identification v="NOMRES20110111A123456789"/>
    <Type v="08G"/>
    <CreationDateTime v="2011-01-12T14:30:26Z"/>
    <ValidityPeriod v="2011-01-12T05:00Z/2011-01-13T05:00Z"/>
    <ContractReference v="DS000XXX"/>
    <ContractType v="CT"/>
    <IssuerIdentification codingScheme="305" v="10X1001A1001A248"/>
    <IssuerRole v="ZSO"/>
    <RecipientIdentification codingScheme="305" v="EIC_CODE"/>
    <RecipientRole v="ZSH"/>
    <ConnectionPointInformation>

```

```

<LineNumber v="1"/>
<Status v="16G"/>
<ConnectionPoint codingScheme="305" v="21Y---A001A003-5"/>
<AccountIdentification codingScheme="ZSO" v="DS000YYY"/>
<AccountRole v="ZES"/>
<Period>
  <TimeInterval v="2011-01-12T05:00Z/2011-01-13T05:00Z"/>
  <Direction v="Z03"/>
  <Quantity v="50000"/>
  <MeasureUnit v="KW1"/>
</Period>
</ConnectionPointInformation>
<ConnectionPointInformation>
<LineNumber v="2"/>
<Status v="16G"/>
<ConnectionPoint codingScheme="305" v="21Y---A001A003-5"/>
<AccountIdentification codingScheme="ZSO" v="DS000ZZZ"/>
<AccountRole v="ZES"/>
<Period>
  <TimeInterval v="2011-01-12T05:00Z/2011-01-13T05:00Z"/>
  <Direction v="Z02"/>
  <Quantity v="25000"/>
  <MeasureUnit v="KW1"/>
</Period>
</ConnectionPointInformation>
</NominationResponse>

```

9.2.6 NOMRES from Energinet at the ETF point

```

<?xml version="1.0" encoding="UTF-8"?>
<NominationResponse Release="1" Version="EGAS40" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="p2-2-nomres.xsd">
  <Identification v="NOMRES20110111A123456789"/>
  <Type v="08G"/>
  <CreationDateTime v="2011-01-12T14:30:26Z"/>
  <ValidityPeriod v="2011-01-12T05:00Z/2011-01-13T05:00Z"/>
  <ContractReference v="DS000XXX"/>
  <ContractType v="CT"/>
  <IssuerIdentification codingScheme="305" v="10X1001A1001A248"/>
  <IssuerRole v="ZSO"/>
  <RecipientIdentification codingScheme="305" v="EIC_CODE"/>
  <RecipientRole v="ZSH"/>
  <ConnectionPointInformation>
  <LineNumber v="1"/>
  <Status v="16G"/>
  <ConnectionPoint codingScheme="305" v="21Y---A001A004-2"/>
  <AccountIdentification codingScheme="ZSO" v="NP000001"/>
  <AccountRole v="ZES"/>
  <Period>
    <TimeInterval v="2011-01-12T05:00Z/2011-01-13T05:00Z"/>
    <Direction v="Z03"/>
    <Quantity v="50000"/>
    <MeasureUnit v="KW1"/>
  </Period>
  </ConnectionPointInformation>
</NominationResponse>

```

9.2.7 NOMRES from Energinet at the Gas Storage Denmark point

```

<?xml version="1.0" encoding="UTF-8"?>
<NominationResponse Release="1" Version="EGAS40" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="p2-2-nomres.xsd">
  <Identification v="NOMRES20110111A123456789"/>
  <Type v="08G"/>
  <CreationDateTime v="2011-01-12T14:30:26Z"/>
  <ValidityPeriod v="2011-01-12T05:00Z/2011-01-13T05:00Z"/>
  <ContractReference v="DS000XXX"/>
  <ContractType v="CT"/>
  <IssuerIdentification codingScheme="305" v="10X1001A1001A248"/>
  <IssuerRole v="ZSO"/>
  <RecipientIdentification codingScheme="305" v="EIC_CODE"/>
  <RecipientRole v="ZSH"/>
  <ConnectionPointInformation>
  <LineNumber v="1"/>
  <Status v="16G"/>
  <ConnectionPoint codingScheme="305" v="21Z000000000238M"/>
  <AccountIdentification codingScheme="ZSO" v="LT000XXX"/>
  <AccountRole v="ZES"/>
  <Period>
    <TimeInterval v="2011-01-12T05:00Z/2011-01-13T05:00Z"/>

```



```

        <Direction v="Z03"/>
        <Quantity v="10000"/>
        <MeasureUnit v="KW1"/>
    </Period>
</ConnectionPointInformation>
</NominationResponse>

```

9.3 ALOCAT

ALOCAT is the values allocated for the Balance Responsible Party's nominations. Energinet sends ALOCAT in one message for all the customers' nominations for all points. Energinet will send allocations for all points including Exit Zone and BNG Entry in separate ALOCAT messages.

9.3.1 ALOCAT from Energinet at the Joint Exit Zone and RES Entry production

This document will contain both Danish and Swedish portfolios.

```

<?xml version="1.0" encoding="UTF-8"?>
<Allocation Release="7" Version="EGAS40" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="file:///M:/2011/EDIGASXML/EDIGAS4_0/XSD/cclib/p2-7-alocat.xsd">
  <Identification v="ALOCAT20100113A123456789"/>
  <Type v="96G"/>
  <CreationDateTime v="2010-01-11T11:14:04Z"/>
  <ValidityPeriod v="2011-01-12T05:00Z/2011-01-13T05:00Z"/>
  <ContractReference v="DS000XXX"/>
  <ContractType v="CT"/>
  <IssuerIdentification codingScheme="305" v="10X1001A1001A248"/>
  <IssuerRole v="ZSO"/>
  <RecipientIdentification codingScheme="305" v="EIC_CODE"/>
  <RecipientRole v="ZSH"/>
  <ConnectionPointInformation>
    <LineNumber v="1"/>
    <TimeSeriesType v="Z01"/>
    <ConnectionPoint codingScheme="ZSO" v="5715151983xxxxxxx"/>
    <ExternalBalance Responsible PartyAccount codingScheme="ZSO" v="POOL-YY"/>
    <Period>
      <TimeInterval v="2011-01-12T05:00Z/2011-01-12T20:00Z"/>
      <Direction v="Z03"/>
      <Quantity v="10000"/>
      <MeasureUnit v="KW1"/>
    </Period>
    <Period>
      <TimeInterval v="2011-01-12T20:00Z/2011-01-13T05:00Z"/>
      <Direction v="Z03"/>
      <Quantity v="20000"/>
      <MeasureUnit v="KW1"/>
    </Period>
  </ConnectionPointInformation>
</Allocation>

```

9.3.2 ALOCAT from Energinet at the Gas Storage Denmark A/S Gas Storage point

```

<?xml version="1.0" encoding="UTF-8"?>
<Allocation Release="7" Version="EGAS40" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="p2-7-alocat.xsd">
  <Identification v="ALOCAT20100113A123456789"/>
  <Type v="96G"/>
  <CreationDateTime v="2010-01-11T11:15:03Z"/>
  <ValidityPeriod v="2011-01-12T05:00Z/2011-01-13T05:00Z"/>
  <ContractReference v="DS000XXX"/>
  <ContractType v="CT"/>
  <IssuerIdentification codingScheme="305" v="10X1001A1001A248"/>
  <IssuerRole v="ZSO"/>
  <RecipientIdentification codingScheme="305" v="EIC-CODE"/>
  <RecipientRole v="ZSH"/>
  <ConnectionPointInformation>
    <LineNumber v="1"/>
    <TimeSeriesType v="Z01"/>
    <ConnectionPoint codingScheme="305" v="21Z000000000238M"/>
    <ExternalBalance Responsible PartyAccount codingScheme="ZSO" v="LT000XXX"/>
  </ConnectionPointInformation>
</Allocation>

```

```

<Period>
  <TimeInterval v="2011-01-12T05:00Z/2011-01-12T14:00Z"/>
  <Direction v="Z03"/>
  <Quantity v="48531"/>
  <MeasureUnit v="KW1"/>
</Period>
<Period>
  <TimeInterval v="2011-01-12T14:00Z/2011-01-12T16:00Z"/>
  <Direction v="Z02"/>
  <Quantity v="0"/>
  <MeasureUnit v="KW1"/>
</Period>
<Period>
  <TimeInterval v="2011-01-12T16:00Z/2011-01-12T18:00Z"/>
  <Direction v="Z03"/>
  <Quantity v="48531"/>
  <MeasureUnit v="KW1"/>
</Period>
<Period>
  <TimeInterval v="2011-01-12T18:00Z/2011-01-12T19:00Z"/>
  <Direction v="Z03"/>
  <Quantity v="0"/>
  <MeasureUnit v="KW1"/>
</Period>
<Period>
  <TimeInterval v="2011-01-12T19:00Z/2011-01-13T00:00Z"/>
  <Direction v="Z03"/>
  <Quantity v="48531"/>
  <MeasureUnit v="KW1"/>
</Period>
<Period>
  <TimeInterval v="2011-01-13T00:00Z/2011-01-13T01:00Z"/>
  <Direction v="Z03"/>
  <Quantity v="17652"/>
  <MeasureUnit v="KW1"/>
</Period>
<Period>
  <TimeInterval v="2011-01-13T01:00Z/2011-01-13T05:00Z"/>
  <Direction v="Z03"/>
  <Quantity v="0"/>
  <MeasureUnit v="KW1"/>
</Period>
</ConnectionPointInformation>
</Allocation>

```

ALOCATs for other points will follow this example with respect to

<ConnectionPoint> and <External Account>

9.4 IMBNOT

IMBNOT is used for notification of daily imbalances, buying or selling of balancing gas and as a reconciliation notice.

9.4.1 Buying and selling balancing gas

```
<?xml version="1.0" encoding="UTF-8"?>
<ImbalanceNotice Release="1" Version="EGAS40" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="p2-6-imbnot.xsd">
  <Identification v="IMBNOT20110802A001486245"/>
  <Type v="14G"/>
  <CreationDateTime v="2012-01-20T11:03:01Z"/>
  <ValidityPeriod v="2011-08-03T04:00Z/2011-08-04T04:00Z"/>
  <IssuerIdentification codingScheme="305" v="10X1001A1001A248"/>
  <IssuerRole v="ZSO"/>
  <RecipientIdentification codingScheme="305" v="EIC_ZSH"/>
  <RecipientRole v="ZSH"/>
  <ConnectionPointDetail>
    <LineNumber v="1"/>
    <Account>
      <AccountIdentification codingScheme="ZSO" v="IMBALANCE"/>
      <AccountRole v="ZSH"/>
    </Account>
    <QuantityInformation>
      <TimeInterval v="2011-08-03T04:00Z/2011-08-04T04:00Z"/>
      <QuantityType v="ZPD"/>
      <Quantity v="4237"/>
      <MeasureUnit v="KWH"/>
    </QuantityInformation>
  </ConnectionPointDetail>
  <ConnectionPointDetail>
    <LineNumber v="2"/>
    <Account>
      <AccountIdentification codingScheme="ZSO" v="TRADE"/>
      <AccountRole v="ZSH"/>
    </Account>
    <QuantityInformation>
      <TimeInterval v="2011-08-03T04:00Z/2011-08-04T04:00Z"/>
      <QuantityType v="ZPD"/>
      <Quantity v="990"/>
      <MeasureUnit v="KWH"/>
    </QuantityInformation>
  </ConnectionPointDetail>
</ImbalanceNotice>
```

IMBALANCE definition:

ZPD = Balance Responsible Party has a negative daily imbalance

ZPE = Balance Responsible Party has a positive daily imbalance

TRADE definition:

ZPD = Energinet buys gas from the Balance Responsible Party

ZPE = Energinet sells gas to the Balance Responsible Party

9.4.2 Reconciliation

The reconciliation process only applies to the Danish nDMS portfolios.

```
<?xml version="1.0" encoding="UTF-8"?>
<ImbalanceNotice Release="1" Version="EGAS40" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="file:///M:/2011/EDIGASXML/EDIGAS4_0/XSD/cclib/p2-6-imbnot.xsd">
  <Identification v="IMBNOT20091201A123456789"/>
```

```

<Type v="16G"/>
<CreationDateTime v="2011-10-06T09:25:50Z"/>
<ValidityPeriod v="2009-12-01T05:00Z/2010-01-01T05:00Z"/>
<ContractReference v="POOL-CUST"/>
<ContractType v="CT"/>
<IssuerIdentification codingScheme="305" v="10X1001A1001A248"/>
<IssuerRole v="ZSO"/>
<RecipientIdentification codingScheme="305" v="EIC-CODE"/>
<RecipientRole v="ZSH"/>
<ConnectionPointDetail>
  <LineNumber v="1"/>
  <ConnectionPoint codingScheme="ZSO" v="571515198310XXXXX"/>
  <QuantityInformation>
    <TimeInterval v="2009-12-01T05:00Z/2010-01-01T05:00Z"/>
    <QuantityType v="12G"/>
    <Quantity v="52941"/>
    <MeasureUnit v="KW1"/>
  </QuantityInformation>
  <QuantityInformation>
    <TimeInterval v="2009-12-01T05:00Z/2010-01-01T05:00Z"/>
    <QuantityType v="13G"/>
    <Quantity v="60719"/>
    <MeasureUnit v="KW1"/>
  </QuantityInformation>
</ConnectionPointDetail>
<ConnectionPointDetail>
  <LineNumber v="2"/>
  <ConnectionPoint codingScheme="ZSO" v="571515198310YYYYY"/>
  <QuantityInformation>
    <TimeInterval v="2009-12-01T05:00Z/2010-01-01T05:00Z"/>
    <QuantityType v="12G"/>
    <Quantity v="258525"/>
    <MeasureUnit v="KW1"/>
  </QuantityInformation>
  <QuantityInformation>
    <TimeInterval v="2009-12-01T05:00Z/2010-01-01T05:00Z"/>
    <QuantityType v="13G"/>
    <Quantity v="260176"/>
    <MeasureUnit v="KW1"/>
  </QuantityInformation>
</ConnectionPointDetail>
<ConnectionPointDetail>
  <LineNumber v="3"/>
  <ConnectionPoint codingScheme="ZSO" v="571515198310ZZZZZ"/>
  <QuantityInformation>
    <TimeInterval v="2009-12-01T05:00Z/2010-01-01T05:00Z"/>
    <QuantityType v="13G"/>
    <Quantity v="0"/>
    <MeasureUnit v="KW1"/>
  </QuantityInformation>
</ConnectionPointDetail>
<ConnectionPointDetail>
  <LineNumber v="4"/>
  <ConnectionPoint codingScheme="ZSO" v="571515198310PPPPP"/>
  <QuantityInformation>
    <TimeInterval v="2009-12-01T05:00Z/2010-01-01T05:00Z"/>
    <QuantityType v="12G"/>
    <Quantity v="349511"/>
    <MeasureUnit v="KW1"/>
  </QuantityInformation>
  <QuantityInformation>
    <TimeInterval v="2009-12-01T05:00Z/2010-01-01T05:00Z"/>
    <QuantityType v="13G"/>
    <Quantity v="406508"/>
    <MeasureUnit v="KW1"/>
  </QuantityInformation>
</ConnectionPointDetail>
<ConnectionPointDetail>
  <LineNumber v="5"/>
  <ConnectionPoint codingScheme="ZSO" v="571515198310MMMMM"/>
  <QuantityInformation>
    <TimeInterval v="2009-12-01T05:00Z/2010-01-01T05:00Z"/>
    <QuantityType v="12G"/>
    <Quantity v="2013059"/>
    <MeasureUnit v="KW1"/>
  </QuantityInformation>
  <QuantityInformation>
    <TimeInterval v="2009-12-01T05:00Z/2010-01-01T05:00Z"/>
    <QuantityType v="13G"/>
    <Quantity v="1505258"/>
    <MeasureUnit v="KW1"/>
  </QuantityInformation>
</ConnectionPointDetail>
</ImbalanceNotice>

```

9.5 GASDAT message

The GASDAT message is used for sending information to the Balance Responsible Party on portfolios according to the latest version of Rules for Gas Transport.

This document will contain both Danish and Swedish portfolios.

```
<?xml version="1.0" encoding="UTF-8"?>
<GasdatDocument Release="4" Version="EGAS40" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="file:///M:/2013/XML4/Edigas_MIG_4_0/version-4-schemas/p2-8-gasdat.xsd">
  <Identification v="GASDAT20130701A002544710"/>
  <Version v="1"/>
  <Type v="51G"/>
  <CreationDate v="2013-09-26T13:54:03Z"/>
  <ValidityPeriod v="2013-07-01T04:00Z/2013-07-01T10:00Z"/>
  <IssuerIdentification codingScheme="305" v="10X1001A1001A248"/>
  <IssuerRole v="ZSO"/>
  <RecipientIdentification codingScheme="305" v="EIC_CODE"/>
  <RecipientRole v="ZSH"/>
  <RelevantParty>
    <Role v="ZTS"/>
    <Location>
      <MeasurePointType v="Z17"/>
      <MeasurePoint codingScheme="9" v="5715151983XXXXXXXX"/>
      <MeterInformation>
        <LineNumber v="1"/>
        <Measurement>
          <EffectiveDateTime v="2013-07-01T04:00:00Z"/>
          <MeasurementType v="ZFL"/>
          <MeasurementValue v="1209"/>
          <MeasureUnit v="KW1"/>
        </Measurement>
        <Measurement>
          <EffectiveDateTime v="2013-07-01T05:00:00Z"/>
          <MeasurementType v="ZFL"/>
          <MeasurementValue v="1310"/>
          <MeasureUnit v="KW1"/>
        </Measurement>
        <Measurement>
          <EffectiveDateTime v="2013-07-01T06:00:00Z"/>
          <MeasurementType v="ZFL"/>
          <MeasurementValue v="1155"/>
          <MeasureUnit v="KW1"/>
        </Measurement>
        <Measurement>
          <EffectiveDateTime v="2013-07-01T07:00:00Z"/>
          <MeasurementType v="ZFL"/>
          <MeasurementValue v="1155"/>
          <MeasureUnit v="KW1"/>
        </Measurement>
        <Measurement>
          <EffectiveDateTime v="2013-07-01T08:00:00Z"/>
          <MeasurementType v="ZFL"/>
          <MeasurementValue v="1315"/>
          <MeasureUnit v="KW1"/>
        </Measurement>
        <Measurement>
          <EffectiveDateTime v="2013-07-01T09:00:00Z"/>
          <MeasurementType v="ZFL"/>
          <MeasurementValue v="1314"/>
          <MeasureUnit v="KW1"/>
        </Measurement>
      </MeterInformation>
    </Location>
  </RelevantParty>
</GasdatDocument>
```

ZFL = FLOW i.e. the summation of the flow delivered to the portfolio given in MeasurePoint.

9.6 CONTRL message

Edig@s CONTRL messages will not be used.

9.7 APERAK messages

APERAK is the response to the message validation sent either by the TSO or the Balance Responsible Party.

9.7.1 APERAK stating 'OK'

```
<?xml version="1.0" encoding="UTF-8"?>
<Aperak Version="EGAS40" Release="2" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="file:///M:/2011/EDIGASXML/EDIGAS4_0/XSD/cclib/p3-1-aperak.xsd">
  <Identification v="APERAK20110126A123456789"/>
  <Type v="294"/>
  <CreationDateTime v="2011-01-26T14:44:00Z"/>
  <OriginalIssuerIdentification codingScheme="305" v="EIC-CODE"/>
  <OriginalRecipientIdentification codingScheme="305" v="10X1001A1001A248"/>
  <OriginalMessageIdentification v="NOMINT20110127A123456789"/>
  <OriginalMessageDateTime v="2011-01-26T13:44:32Z"/>
  <ReceptionStatus v="6"/>
</Aperak>
```

9.7.2 APERAK stating 'rejected'

```
<?xml version="1.0" encoding="UTF-8"?>
<Aperak Version="EGAS40" Release="2" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="file:///M:/2011/EDIGASXML/EDIGAS4_0/XSD/cclib/p3-1-aperak.xsd">
  <Identification v="APERAK20110126A123456789"/>
  <Type v="294"/>
  <CreationDateTime v="2011-01-26T14:44:00Z"/>
  <OriginalIssuerIdentification codingScheme="305" v="EIC-CODE"/>
  <OriginalRecipientIdentification codingScheme="305" v="10X1001A1001A248"/>
  <OriginalMessageIdentification v="NOMINT20110127A123456789"/>
  <OriginalMessageDateTime v="2011-01-26T13:44:32Z"/>
  <ReceptionStatus v="27"/>
  <Reason>
    <ReasonCode v="14G"/>
    <ReasonText v="Unknown Account Identification"/>
  </Reason>
</Aperak>
```

10. Version support Edig@s XML 4.0

Message	Code value	Edig@s subset ID	Edig@s Version (XML only)	Release	Currently supported
NOMINT	01G	EGAS40	v.4.0	7	Yes
NOMRES	08G	EGAS40	v.4.0	7	Yes
ALOCAT	95G/96G	EGAS40	v.4.0	7	Yes
IMBNOT	14/16G	EGAS40	V4.0	7	Yes
GASDAT	51G	EGAS40	v.4.0	7	Yes
APERAK	294	EGAS40	v.4.0	7	Yes