



# **Message guide for nominations, allocations and energy balancing in the Danish Offshore Gas Systems**

**Version 5  
11 January 2018**

## 1. Introduction

This document describes the messages to be exchanged between the Shipper and the Operator in relation to transport of gas in the Danish Offshore Gas Systems.

The content of the different message types follows the EDIGAS standard (version 4.0).

The message markup language is either XML or a flat file format (example in paragraph 3.1).

DOGS offers two methods of message exchange: e-mail or AS2. The shipper must select between receiving messages by e-mail or via AS2.

If AS2 exchange has been chosen, all messages from DONG Offshore Gas Systems will be sent via AS2 in XML. The shipper may as well still nominate via e-mail in the flat file format.

If e-mail exchange has been chosen, all messages from DONG Offshore Gas Systems will be sent via e-mail in the flat file format.

The messages to be exchanged are:

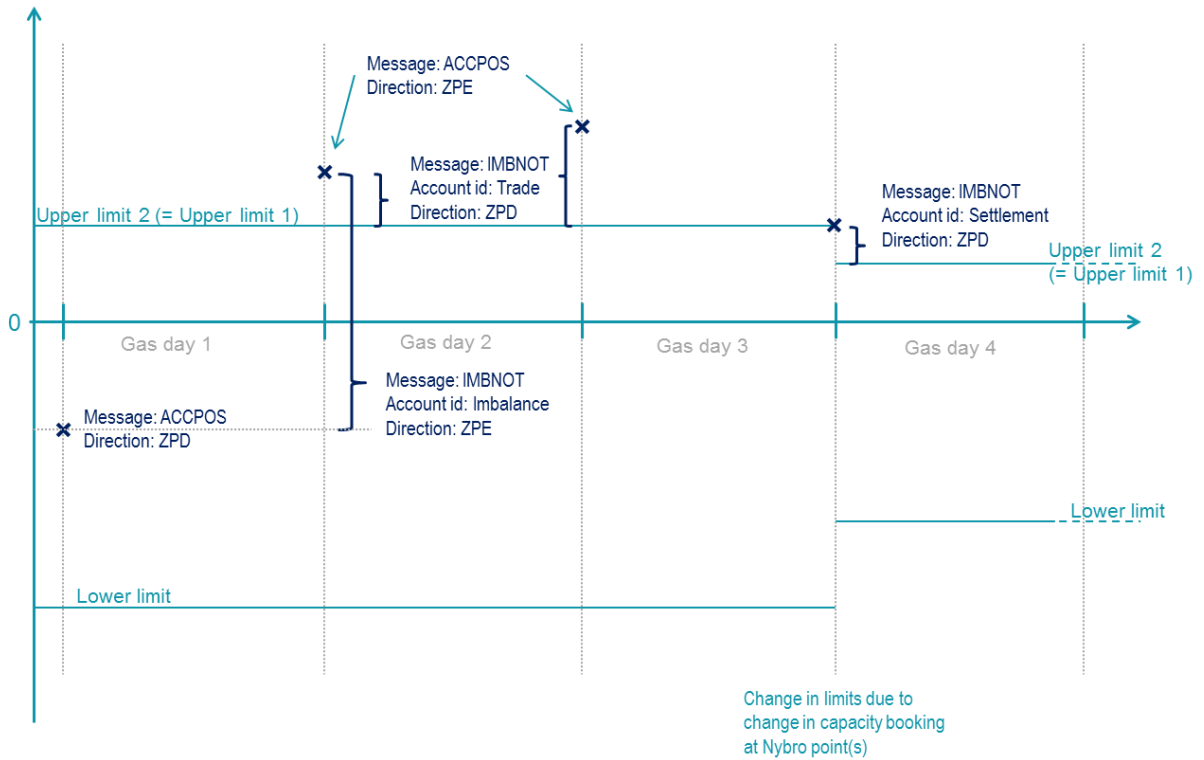
- ALOCAT – Allocation message
- ACCPOS – Account position message
- IMBNOT – Imbalance notice message
- NOMINT – Nomination message
- NOMRES – Confirmation of Nomination

During the gas day the ALOCAT will be used to inform the shipper about the entry and exit allocations for the latest hour and the ACCPOS will contain the actual position of the energy balance. An additional ACCPOS messages will be used to inform the shipper about the Hour-ahead capacity available free of charge for the remaining part of the present gas day.

After the gas day an additional ALOCAT message will be used to inform the shipper about the sum of all corrections to be applied during the ongoing gas day. The IMBNOT will be used to inform about the previous gas day including the daily imbalance, the shipper's sale of surplus gas (if any), partial settlement of the shipper's gas balance account (if any) and the correction as a result of the difference between the Preliminary Daily Delivery Allocation and the Preliminary Hourly Delivery Allocations.

## 2. Schematic diagram

The following diagram shows the different elements in connection to the shipper's Gas Balance Account with information about the relevant message type.



### 3. Examples of message types

Examples of the two different markup languages are presented in the following. All points in time are stated in UTC (Universal Time Coordinated).

The shipper code in the Danish Transmission System is the letter DS followed by a number of six digits. The shipper code in the Danish Offshore Gas Systems is the letter OS followed by a number of six digits.

The EIC code for the Nybro point is 21Z0000000000252

The EIC code for the Operator is 21X0000000013198

#### 3.1 Flat file format

Messages based on a flat file format.

The records are terminated by Carriage Control / Line Feed

The individual fields are enclosed by quotation marks (") and separated by semicolon (;)

Example:

```
"H1";"ALOCAT";"95G";"ALOCAT20121012A123456"; "2012010120400"; ..
"D1";"1";"Z01";"ENTRY";"ZSO";"ENTRY";"ZSO";"OS0000XX"; .....
"D2";"1"; "2012010120400"; "2012010120500";"ZO2";"1234";"KW1"
"D2";"1"; "2012010120500"; "2012010120600";"ZO2";"1234";"KW1"
"D2";"1"; "2012010120600"; "2012010120700";"ZO2";"1234";"KW1"
"D2";"..."
...
...
"D1";"2";"Z01";" 21Z0000000000252";"EIC";"DS0000XX";"ZSO";"OS0000XX";"ZSO";"
.....
"D2";"2"; "2012010120400"; "2012010120500";"ZO3";"1234";"KW1"
"D2";"2"; "2012010120500"; "2012010120600";"ZO3";"1234";"KW1"
"D2";"2"; "2012010120600"; "2012010120700";"ZO3";"1234";"KW1"
```

#### 3.2 XML format

Example:

```
<?xml version="1.0"?>
<Allocation xsi:noNamespaceSchemaLocation="p2-7-alocat.xsd" Release="1"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" Version="EGAS40">
  <Identification v="ALOCAT20180111A02553"/>
```

```
<Type v="95G"/>
<CreationDateTime v="2018-01-11T06:26:28Z"/>
<ValidityPeriod v="2018-01-11T05:00Z/2018-01-11T06:00Z"/>
<ContractReference v="KON-XXX-0002"/>
<ContractType v="CT"/>
<IssuerIdentification codingScheme="305" v="21X0000000013198"/>
<IssuerRole v="ZSO"/>
<RecipientIdentification codingScheme="305" v="SHIPPER-EIC-CODE"/>
<RecipientRole v="ZSH"/>
<ConnectionPointInformation>
  <LineNumber v="1"/>
  <TimeSeriesType v="Z01"/>
  <ConnectionPoint codingScheme="ZSO" v="ENTRY"/>
  <ExternalShipperAccount codingScheme="ZSO" v="ENTRY"/>
  <InternalShipperAccount codingScheme="ZSO" v="OS0000XX"/>
  <Period>
    <TimeInterval v="2018-01-11T05:00Z/2018-01-11T06:00Z"/>
    <Direction v="Z02"/>
    <Quantity v="359894"/>
    <MeasureUnit v="KW1"/>
  </Period>
</ConnectionPointInformation>
<ConnectionPointInformation>
  <LineNumber v="2"/>
  <TimeSeriesType v="Z01"/>
  <ConnectionPoint codingScheme="305" v="21Z0000000000252"/>
  <ExternalShipperAccount codingScheme="ZSO" v="DS0000XX"/>
  <InternalShipperAccount codingScheme="ZSO" v="OS0000XX"/>
  <Period>
    <TimeInterval v="2018-01-11T05:00Z/2018-01-11T06:00Z"/>
    <Direction v="Z03"/>
    <Quantity v="360000"/>
    <MeasureUnit v="KW1"/>
  </Period>
</ConnectionPointInformation>
</Allocation>
```

#### 4. Allocation Message (ALOCAT)

##### Header information :

	Data element	Description	Format/example
1	Recordtype		H1
2	Message_type_id	Actual Message structure	ALOCAT
3	Document_type	Type of document.	95G for provisory 96G for valid
4	Identification	Unique ID	ALOCATYYYYMMDDA99999
5	Creation date time	Time for creation of the actual document.	YYYYMMDDHHMI
6	Validity_start_date_time	Start time for first hour in document.	YYYYMMDDHHMI
7	Validity_end_date_time	End time for last hour in document.	YYYYMMDDHHMI
8	Contract Reference	Reference to actual Nomination Agreement	KON_XXX_9999
9	Contract Type	Type of contract reference.	CT
10	Issuer	EAN- DEOP	5790001685973
11	Issuer Role		ZSO
12	Recipient	EAN - Shipper	9999999999999
13	Recipient Role		ZSH

##### Detail D1 – Connection Point

	Data element	Description	Format/example
1	Recordtype		D1
2	Line Number	Sequence number for the Point	999
3	Times Series Type	Id for the actual data type	Z01 for allocated. Z04 for confirmed
4	Connection Point	Point ID	ENTRY 21Z0000000000252 For Nybro CORRECTION
5	Coding Scheme		ZSO – For Entry point EIC - For Exit (Nybro)
6	External Shipper		DS999999 for Nybro point

			ENTRY for Entry point
7	Coding Scheme		ZSO
8	Internal Shipper	Shipper in Pipe	OS99999
9	Coding Scheme		ZSO

### Detail D2 – Period Data

	Data element	Description	Format/example
1	Recordtype		D2
2	Line Number	Sequence number for the Point	999
3	Period_start	Start time for actual period.	YYYYMMDDHHMI
4	Period_end	End Time for actual period	YYYYMMDDHHMI
5	Direction	Flow from System Operators side.	Z02 for Entry Point Z03 for Exit Point
6	Quantity	Allocated Value	Integer
7	Measure Unit	Unit	KW1

## 5. Account Position Message (ACCPOS)

### Header information :

	Data element	Description	Format/example
1	Recordtype		H1
2	Message_type_id	Actual Message structure	ACCPOS
3	Document_type	Type of document.	94G
4	Identification	Unique ID	ACCPOSYYYYMMDDA99999
5	Creation date time	Time for creation of the actual document.	YYYYMMDDHHMI
6	Validity_start_date_time	Start time for position	YYYYMMDDHHMI
7	Contract Reference	Reference to actual Framework Agreement	KON_XXX_9999
8	Contract Type	Type of contract reference.	CT

8	Issuer	EAN- DEOP	5790001685973
10	Issuer Role		ZSO
11	Recipient	EAN - Shipper	99999999999999
12	Recipient Role		ZSH

**Detail D1: Account Identification (Balancing)**

	Data element	Description	Format/example
1	Recordtype		D1
2	Account Identification	Subject	BALANCE FREE_HOUR_AHEAD
3	Status	Status	04G for provisional 05G for final
4	Direction	Debit or Credit state	ZPD for Debit (+) ZPE for Credit (-)
5	Quantity	Position	Integer
6	Measurement	Unit	KWH



## 6. Imbalance Notice Message (IMBNOT)

### Header information:

	Data element	Description	Format/example
1	Recordtype		H1
2	Message_type_id	Actual Message structure	IMBNOT
3	Document_type	Type of document.	14G for notification 16G for reconciliation
4	Identification	Unique ID	IMBNOTYYYYMMDDA99999
5	Creation date time	Time for creation of the actual document.	YYYYMMDDHHMI
6	Validity_start_date_time	Start time for first hour in document.	YYYYMMDDHHMI
7	Validity_end_date_time	End time for last hour in document.	YYYYMMDDHHMI
8	Contract Reference	Reference to actual Nomination Agreement	KON_XXX_9999
9	Contract Type	Type of contract reference.	CT
10	Issuer	EAN- DEOP	5790001685973
11	Issuer Role		ZSO
12	Recipient	EAN - Shipper	9999999999999
13	Recipient Role		ZSH

### Detail D1 – Connection Point

	Data element	Description	Format/example
1	Recordtype		D1
2	Line Number	Sequence number for the Point	999
3	Connection Point	Point ID	DEOP_BALANCE
5	Coding Scheme		ZSO

### Detail D2 – Account Information

	Data element	Description	Format/example
1	Recordtype		D2

2	Line Number	Sequence number for the Point	999
3	Account Identification	Subject.	IMBALANCE TRADE SETTLEMENT LINEPACKFLEX CORRECTION
4	Account Coding		ZSO
5	Account Role		ZSH
6	Role Coding		ZSO

### Detail D3 – Quantity Information

	Data element	Description	Format/example
1	Recordtype		D3
2	Line Number	Sequence number for the Point	999
3	Period_start	Start time for actual period.	YYYYMMDDHHMI
4	Period_end	End Time for actual period	YYYYMMDDHHMI
5	Quantity type		ZPD – Debit quantity. ZPE – Credit quantity ZPU – Outside lower limit. ZPS – Outside upper limit
6	Quantity		
7	Measurement	Unit	KWH

## 7. Nomination Message (NOMINT)

	Data element	Description	Format/example
1	Record type		H1
2	Message_type_id	Actual Message structure	NOMINT
3	Document_type	Type of document	03G
4	Identification	Unique ID	NOMINT99999
5	Message_reference_number	Unique ID	M999999999999
6	Creation date time	Time for creation of the actual document	YYYYMMDDHHMI
7	Processing_start_date_time	Start time for first hour in document	YYYYMMDDHHMI
8	Processing_end_date_time	End time for last hour in document	YYYYMMDDHHMI
9	Recipient	EAN Shipper	
10	Issuer	EAN- DEOP	
11	Nomination ID	Shipper code pair	

### Detail

	Datafelt	Betydning	Format/eksempel
1	Record type		D1
2	Nomination ID	Shipper code pair	

3	Period_start	Start time for actual period	YYYYMMDDHHMI
4	Period_end	End time for actual period	YYYYMMDDHHMI
5	Quantity	Nominated value	Integer

**Trailer information :**

	Datafelt	Betydning	Format/eksempel
1	Record type		S1
2	Sum		

## 8. Nomination Confirmation Message (NOMRES)

### Header information :

	Datafelt	Betydning	Format/eksempel
1	Recordtype		H1
2	Message_type_id	Actual Message structure	NOMRES
3	Document_type	Type of document	04G
4	Identification	Unique ID	NOMRESYYYYMMDDA99999
5	Message_reference_number	Unique ID	Not used
6	Processing_start_date_time	Start time for first hour in document	YYYYMMDDHHMI
7	Processing_end_date_time	End time for last hour in document	YYYYMMDDHHMI
8	Actual_date_and_time	Time for creation of the actual document	YYYYMMDDHHMI
9	Acknowledge	Reference to NOMINT	Not used
10	Recipient	EAN- Operator	
11	Issuer	EAN Shipper	
12	Nomination ID	Shipper code pair	

**Detail:**

	<b>Datafelt</b>	<b>Betydning</b>	<b>Format/eksempel</b>
1	Record type		D1
2	Nomination ID	Shipper code pair	
3	Period_start	Start time for actual period	YYYYMMDDHHMI
4	Period_end	End time for actual period	YYYYMMDDHHMI
5	Quantity	Confirmed nominated value	Integer

**Trailer information :**

	<b>Datafelt</b>	<b>Betydning</b>	<b>Format/eksempel</b>
1	Record type		S1
2	Sum		