

OPERATIONS MANUAL

APPENDIX B

to

STANDARD TERMS AND CONDITIONS

for

TRANSPORTATION

of

GAS

in

DONG NATURGAS'

OFFSHORE PIPELINES

to

the Danish West Coast

Valid from 1 December 2011

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1 APPLICABILITY

This Appendix B does not regulate all operational issues, which can arise as a result of the Transportation Agreement and the Standard Terms and Conditions, but is exclusively intended for regulating operational issues, which may occur on a regular basis.

2 NOMINATIONS AND RENOMINATIONS

2.1 Format Requirements

The Shipper shall submit Nominations and Renominations (NOMINT-message) by email using Microsoft Outlook and the nomination software (Microsoft Excel) forwarded to the Shipper.

A submission of Nominations shall contain the following information per Shipper Code Pair:

- the Shipper Code Pair submitted in the order of the shipper code in the Transportation System followed by a hyphen followed by the shipper code in the Transmission System, i.e. order of flow direction (e.g. OS222222-DS444444) and;
- 24 numerically positive integer values (or zero) covering each Hour in a Day. However only 23 values on Days with transition to summer time and 25 numerical values on Days with transition to winter time. In case of Renominations only information related to future Hours (with due consideration to the nomination lead time) is needed. The values represent kWh.

The Operator shall submit Approved Nominations (NOMRES-message) including explanations of possible alterations to the Shipper's Nominations/Renominations (nomination confirmation message) by email to the Shipper.

A submission of Approved Nominations shall contain similar information per Shipper Code Pair as valid for Nominations/Renominations.

2.2 Nominations

No later than 14:00 hours LET on each Day, the Operator shall have received Nominations from the Shipper with information on the Quantities of Gas, expressed in kWh, that the Shipper requests to be redelivered at the Redelivery Point each Hour of the immediate following Day. The Nominations shall be made per Shipper Code Pair (e.g. if the Shipper has notified 3 Shipper Code Pairs to the Operator, the Shipper shall submit 3 full sets of Nominations).

If the submitted Nominations do not comply with the format requirements in Article 2.1, the Operator will use the Shipper's latest submitted Nominations that comply with the format requirements.

Before 16:00 hours LET on each Day, the Operator will notify the Shipper of the Approved Nominations for the immediate following Day.

The Approved Nominations may differ from the Nominations due to the check procedures described in Article 3.

2.3 Renominations

The Shipper has the right to revise all or part of its Approved Nominations with two full Hours lead-time by submitting Renominations to the Operator, e.g. Renominations received by the Operator at 18:25 hours LET shall be valid from 21:00 hours LET on the same Day.

The first deadline for the Operator to have received such Renominations shall be 16:00 hours LET on the Day prior to the Day covered by the Renominations.

The second deadline for the Operator to have received such Renominations shall be 18:00 hours LET on the Day prior to the Day covered by the Renominations.

The following deadlines for the Operator to have received such Renominations shall be the last minute in any full Hour between 18:00 hours LET on the Day prior to the Day covered by the Renominations and until 03:00 hours LET on Day covered by the Renominations.

If the Renominations does not comply with the format requirements in Article 2.1, the Operator will reject the Renominations.

The Operator will endeavour to submit the Approved Nominations to the Shipper within 50 minutes after lapse of the Hour in which the Operator has received the Renominations.

The Approved Nominations will at latest be submitted to the Shipper within 2 hours after lapse of the Hour in which the Operator has received the Renominations.

The Approved Nominations may differ from the Renominations due to the check procedures described in Article 3.

2.4 Suspension of Shipper's Right to Renominations

In circumstances with malfunctioning of IT-systems of the Operator or the operator of the Transmission System, malfunctioning of the IT-communication line between Operator and operator of Transmission System or circumstances beyond the Operator's control, the Operator may suspend the Shipper's right to Renominations provided that the Operator suspend its right to sell Short Fall Gas and purchase Excess Gas by the end of any Day with periods of such suspension.

Such suspension shall be notified by the Operator to the Shipper's dispatching centre and shall have immediate effect upon such notice.

The Operator may at any time cancel the suspension upon notice to the Shipper's dispatching centre and such cancellation shall have immediate effect upon such notice.

2.5 Latest Received Nominations/Renominations

If the Shipper revises Nominations or Renominations prior to a deadline for the Operator's receipt hereof, the latest received Nominations or Renominations shall apply, e.g. a Nominations received at 13:38 hours LET will be applied instead of an earlier Nominations received at 13:05 hours LET.

2.6 Automatic Procedure

All handling of Nominations and Renominations are fully automatic. Therefore, the Operator cannot meet the Shipper's extraordinary request for changes in Nominations, Renominations or Approved Nominations hereof. The Shipper is, on a best effort basis, obliged to check the Approved Nominations, and shall in due time try to correct all errors by submitting Renominations.

3 REDUCTIONS OF NOMINATIONS AND RENOMINATIONS

3.1 Maximum Hourly Transportation Right

The Shipper's Nominations/Renominations added up for all Shipper Code Pairs are for every Hour compared with Shipper's pooled Maximum Hourly Transportation Right according to Article 3.6 in Standard Terms and Conditions.

If such comparison shows that the Shipper exceeds its pooled Maximum Hourly Transportation Rights in any Hour, the Nominations/Renominations for such Hour will be reduced on a proportionate basis for all Shipper Code Pairs, i.e. Nominations/Renominations for each Shipper Code Pair will be reduced by the same percentage necessary for the Shipper to reduce its accumulated Nominations/Renominations to the pooled Maximum Hourly Transportation Rights for the Hour in question.

3.2 Maintenance etc.

The Operator may reduce the Shipper's Nominations/Renominations fully or partially in the Maintenance Period and in periods with Reduced Capacity.

3.3 Matching

Subsequent to the Operators possible reductions of Shipper's Nominations and Renominations due to non-compliance with - or the Operator executing its rights in accordance with - the Transportation Agreement, Standard Terms and Conditions and the Appendices, the Nominations and Renominations will be submitted to the operator of the Transmission System for matching against (comparison with) (re)nominations submitted by the Shipper's counterpart shipping Gas in the Transmission System.

The matching procedure is conducted by the operator of the Transmission System and follows the procedure applicable at any time according to the Danish Network Code.

The current procedure performs matching for every Shipper Code Pair and applies the following methodology:

The Shipper Code Pair identifies the Shipper in the Transportation System and the Shipper's counterpart in the Transmission system. A similar shipper code pair submitted by the Shipper's counterpart to the operator of the Transmission System identifies the Shipper in the Transportation System and the shipper in the Transmission System.

Upon match between the Shipper Code Pair and the shipper code pair in the Transmission System, matching of the Nominations/Renomination are performed for every Hour in accordance with the 'lesser rule' principle as recommended by EASEE-gas in its Common Business Practice CBP 2003-002/01. Upon no match between the Shipper Code Pair and the shipper code pair in the Transmission System, the Shipper's Nominations/Renomination will be reduced to zero for every Hour.

In addition hereto matching will be based on the Shipper's and its counterpart's intention, which means that matching due to Renominations/renominations from either of the two, will be based on the other part's latest Nominations/nominations or Renominations/renomination and not the other part's latest Approved Nominations/approved nominations.

E.g. if the Shipper's latest Nominations of 250 has been reduced to 200 in accordance with the 'lesser rule' principle as a result of lower nominations from its counterpart, matching as a result of a subsequent renomination from the counterpart of 250 will therefore be based on the Shipper's original Nominations of 250, giving Approved Nominations of 250.

4 ALLOCATIONS

4.1 Preliminary Allocations

The Operator shall before 12:00 hours LET on each Day inform the Shipper via e-mail (ALOCAT-message) about:

- Preliminary Quantity ("Preliminary Delivery Allocation") of Gas allocated on the preceding Day to the Shipper at the Delivery Point provided such information has been submitted to the Operator by the Shipper's producer of Gas.
- Preliminary Quantity ("Preliminary Redelivery Allocation") of Gas allocated on the preceding Day to the Shipper in total (for all Hours and all Shipper Code Pairs) at the Redelivery Point.

The allocation procedure at the Redelivery Point follows the procedure applicable at any time according to the Danish Network Code. The current procedure for determining Preliminary Redelivery Allocation for every Hour and for every Shipper Code Pair is according to the following methodology:

The latest Approved Nominations is by definition allocated as Preliminary Redelivery Allocation.

4.2 Final Allocations

The Operator shall at latest on the 15th day in any calendar month inform the Shipper via e-mail (Energy balance message) about:

- Final Quantity (“Final Delivery Allocation”) of Gas allocated on every Day in the preceding calendar month to the Shipper at the Delivery Point provided such information has been submitted to the Operator by the Shipper’s producer of Gas.
- Final Quantity (“Final Redelivery Allocation”) of Gas allocated for every Hour and for every Shipper Code Pair in the preceding calendar month to the Shipper at the Redelivery Point provided such information has been submitted to the Operator by the operator of the Transmission System.

5 **GAS BALANCE ACCOUNT**

5.1 Preliminary Status on the Gas Balance Account etc.

The Operator shall before 12:00 hours LET on each Day inform the Shipper via e-mail (ALOCAT-message) about the preliminary status of the Gas Balance Account (“Preliminary Gas Balance Account”) by the end of the preceding Day to the Shipper provided that Preliminary Delivery Allocation is available to the Operator.

Preliminary Gas Balance Account is calculated as:

Preceding Day’s Preliminary Gas Balance Account plus;

Preliminary Delivery Allocation minus;

Preliminary Redelivery Allocation (accumulated for all Hours and all Shipper Code Pairs) plus;

Operator’s sale of Shortfall Gas minus;

Operator’s purchase of Excess Gas

The Preliminary Gas Balance Account shall be specified in the aforementioned five items that constitute the Preliminary Gas Balance Account.

5.2 Final Status on the Gas Balance Account

The Operator shall at latest on the 15th day in any calendar month inform the Shipper via e-mail (Energy balance message) about the final status of the Gas Balance Account ("Final Gas Balance Account") by the end of every Day in the previous calendar month provided that Final Delivery Allocation and Final Redelivery Allocation are available to the Operator.

The Day where the aforementioned information is notified to the Shipper is defined as the "Effective Day".

The Final Gas Balance Account for any Day in the previous calendar month is calculated as:

Preceding Day's Final Gas Balance Account plus;

Final Delivery Allocation minus;

Final Redelivery Allocation (accumulated for all Hours and all Shipper Code Pairs) plus;

Correction related to previous calendar month's (cf. Article 5.3) plus;

Operator's sale of Shortfall Gas minus;

Operator's purchase of Excess Gas

The Final Gas Balance Account shall be specified in the aforementioned six items that constitute the Final Gas Balance Account.

The Energy balance message does further more list the previously notified Preliminary Gas Balance Account for every Day in the preceding calendar month including a monthly accumulation of the daily deviations between the Final Gas Balance Account and the Preliminary Gas Balance Account to be incorporated as a Correction in a future Preliminary Gas Balance Account in accordance with Article 5.3.

Any discrepancy between the Final Gas Balance Account and the Preliminary Gas Balance Account by the end of any Day in the previous calendar month shall not result in any change to Operator's sale of Shortfall Gas or Operator's purchase of Excess Gas in the previous calendar month.

The Operator's decision to suspend the transportation during the previous calendar month based on accumulated sale or purchase of Shortfall Gas / Excess Gas cannot be disputed by the Shipper with reference to the aforementioned discrepancy.

5.3 Correction of the Preliminary Gas Balance Account

The following difference (the "Correction"):

Final Gas Balance Account at the end of the last Day of the previous calendar month

minus;

Preliminary Gas Balance Account at the end of the last Day of the previous calendar month;

will be announced on the Energy balance message together with the date on which such Correction will be added to the preceding Day's Preliminary Gas Balance Account in the formulae in Article 5.1.

For the avoidance of any doubt, the calculation of sale of Shortfall Gas or purchase of Excess Gas at the end of the Day in which the Correction is added shall be based on the Preliminary Gas Balance Account including the Correction.

6 MAINTENANCE

The Operator shall at latest on the calendar day of 1 April tentatively notify the Shipper of the following:

- The number of Days, where the aggregated transportation capacity in the Transportation System is expected to be affected by Planned Maintenance.
- The expected Reduced Capacity available to the Shipper during the Days affected by Planned Maintenance.
- A four-week time window during which the Maintenance Period is expected to take place.

The Shipper shall before 1 May have submitted its duly substantiated view and comments to the Operator's tentative maintenance plan as notified to the Shipper above. The Operator shall to a reasonable extent take the Shipper's comments into consideration before finalising the maintenance plan.

The Operator shall at latest on the calendar day of 31 May finally notify the Shipper of the following:

- The number of Hours, where the aggregated transportation capacity in the Transportation System will be affected by Planned Maintenance.
- The Reduced Capacity available to the Shipper during the Hours affected by Planned Maintenance.
- A two-week time window during which the Maintenance Period will take place.

The Operator is free to place the Maintenance Period corresponding to the announced number of Hours within the two-week time window.

The actual Maintenance Period shall be announced to the Shipper with a notice period of at least twenty four (24) Hours notice.

7 PRIORITIES

In case of transportation capacity in the Transportation System is reduced below 'nominal capacity' minus 'available capacity' (as announced on the Operator's web-site: www.dongenergy.com), cf. Article 6.8 in the Standard Terms and Conditions, by an amount of say 'X', the Operator will reallocate transportation capacity to all Shippers by reducing the Shippers' pooled Maximum Hourly Transportation Rights with a percentage calculated as follows.

$$X / (\text{nominal capacity} - \text{available capacity}) * 100\%$$

Such reductions will be announced to the Shippers as soon as the Operator realize the reduced capacity.

8 MEASUREMENT DIFFERENCES *(THIS ARTICLE IS CURRENTLY NOT IN LEGAL FORCE)*

The Operator performs once a month - on the basis of the producer's export data stipulating the Quantities of Gas delivered in total to all Shippers including DONG (as User) at the Delivery Point and the Operator's own measurement equipment measuring re-delivered Quantities of Gas in total to all Shippers including DONG (as User) at the Redelivery Point corrected for own consumption at the Nybro gas treatment plant and corrected for line pack changes - a material imbalance in terms of mass for the entire Transportation System.

If such material imbalance should result in a correction of the Final Redelivery Allocation already settled, such correction of Quantities of Gas shall be delivered subsequently in kind by either the Shipper or the Operator as the case may be and in agreement between the Parties.

9 LIABILITY

The Operator undertakes no liability for the content of Shipper's Nominations/Renominations and for the malfunctioning of the Shipper's IT-system and the IT-communication line between Shipper's IT-system and the Operator's IT-system.

The Operator shall not assume any liability towards the Shipper, if the Approved Nominations and other information are not received by the Shipper's IT-system in due time.

It is therefore the Shipper's obligation to respond to missing reception of information in its IT-system by making telephone contact to the Operator's dispatching centre and ask for the information by facsimile or other means of communication.

10 ATTACHMENTS

Attached hereto are examples of files to be interchanged between the Shipper and the Operator:

- 1) Microsoft Excel nomination input cells to be used by the Shipper. A NOMINT-message is automatically generated and sent to the Operator as Nominations/Renominations.
- 2) Energy balance file (Microsoft excel file with 3 sheets) submitted by the Operator to the Shipper's mail box containing:
 - a. Final Delivery Allocations for every Day in the preceding calendar month including the monthly accumulated Preliminary Delivery Allocations and its deviation to the accumulated Final Delivery Allocations.
 - b. Final Redelivery Allocations for every Hour and every Shipper Code Pair in the preceding calendar month including the monthly accumulated Preliminary Redelivery Allocations and its deviation to the accumulated Final Redelivery Allocations.
 - c. Final Gas Balance Account for every Day in the preceding calendar month specified as stipulated in Article 6.2 and including information on the Preliminary Gas Balance Account as notified to the Shipper every Day in the preceding month and including a daily accumulated Correction value for the preceding calendar month to be included in the Preliminary Gas Balance Account to be notified to the Shipper on the Effective Day.

Attachment 1)

2009-03-27

NOMINATION

DONG Storage (Gas Control Centre) Fax: +45 75259879 Phone.: +45 76733271		<input type="button" value="Nominate"/>
Shipper:	<i>Shipper Name</i>	<input style="margin-right: 5px;" type="button" value=" < "/> <input style="margin-left: 5px;" type="button" value=" > "/>
EAN No:	No	
Nomination for day		2007-07-26

Nom id	OS000011-DS000015	OS000011-DS000018		
Hour	Redelivery	Redelivery		
06-07	300.000	125.000		
07-08	300.000	125.000		
08-09	300.000	125.000		
09-10	300.000	125.000		
10-11	300.000	125.000		
11-12	300.000	125.000		
12-13	300.000	125.000		
13-14	300.000	125.000		
14-15	300.000	125.000		
15-16	300.000	125.000		
16-17	300.000	125.000		
17-18	300.000	125.000		
18-19	300.000	125.000		
19-20	300.000	125.000		
20-21	300.000	125.000		
21-22	300.000	125.000		
22-23	300.000	125.000		
23-24	300.000	125.000		
24-01	300.000	125.000		
01-02	300.000	125.000		
02-03	300.000	125.000		
03-04	300.000	125.000		
04-05	300.000	125.000		
05-06	300.000	125.000		
Total	7.200.000	3.000.000		

Nomination for the 25th hour when changing from daylight saving time back to Danish standard time.

02-03	0	0	0	0
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Attachment 2), sheet b.

Validated redelivery allocations

Shipper Name

sep-07

DONG Naturgas A/S - Gas Transportation in the Offshore Pipeline

All units in kwh

Total, unvalidated data
146.626.800
Difference
0

	UTC_TID	OS000011-DS000015	OS000011-DS000018	Total
1	01-09-2007 04:00:00	41000	180000	221000
2	01-09-2007 05:00:00	41000	180000	221000
3	01-09-2007 06:00:00	41000	180000	221000
4	01-09-2007 07:00:00	41000	180000	221000
5	01-09-2007 08:00:00	41000	180000	221000
6	01-09-2007 09:00:00	41000	180000	221000
7	01-09-2007 10:00:00	41000	180000	221000
8	01-09-2007 11:00:00	41000	180000	221000
9	01-09-2007 12:00:00	41000	180000	221000
10	01-09-2007 13:00:00	41000	180000	221000
11	01-09-2007 14:00:00	41000	180000	221000
12	01-09-2007 15:00:00	41000	180000	221000
13	01-09-2007 16:00:00	41000	180000	221000
14	01-09-2007 17:00:00	41000	180000	221000
15	01-09-2007 18:00:00	41000	180000	221000
Etc.				

Attachment 2), sheet c.

Shipper Name

DONG Naturgas A/S - Gas Transportation in the Offshore Pipeline

Month **sep-07**

Final Gas Balance Account All units in kwh

Date	Preceding Day's Final Gas Balance Account	Final Delivery allocation	Final Re-delivery Allocation	Correction of energy balance	Shipper's Sale of Shortfall Gas	Shipper's Purchase of Ex-cess Gas	Final Gas Balance Account	Preliminary Gas Balance Account	Accumulated Correction
01-09-2007	5.044	0	0	0	0	0	5.044	5.044	0
02-09-2007	5.044	0	0	0	0	0	5.044	5.044	0
03-09-2007	5.044	5.178.378	5.304.000	0	0	0	-120.578	-120.623	45
04-09-2007	-120.578	5.268.984	5.304.000	0	0	0	-155.595	-155.734	139
05-09-2007	-155.595	5.341.713	5.304.000	0	0	0	-117.882	-118.067	185
06-09-2007	-117.882	5.393.130	5.304.000	0	0	0	-28.752	-29.011	259
07-09-2007	-28.752	5.343.268	5.304.000	0	0	0	10.516	10.322	194
08-09-2007	10.516	5.297.119	5.304.000	0	0	0	3.635	3.544	91
09-09-2007	3.635	5.168.068	5.304.000	0	0	0	-132.298	-132.400	102
10-09-2007	-132.298	5.098.152	5.304.000	0	0	0	-338.145	-338.344	199
11-09-2007	-338.145	5.261.732	5.304.000	0	0	0	-380.414	-380.677	263
12-09-2007	-380.414	3.401.032	4.764.000	0	0	1.213.166	-530.216	-530.400	184
13-09-2007	-530.216	5.544.382	5.304.000	0	0	0	-289.834	-289.956	122
14-09-2007	-289.834	5.688.660	5.304.000	0	0	0	94.826	94.655	171
15-09-2007	94.826	5.721.485	5.304.000	0	405.964	0	106.347	106.080	267
16-09-2007	106.347	5.511.786	5.304.000	0	207.667	0	106.465	106.080	385
17-09-2007	106.465	5.069.439	5.304.000	0	0	0	-128.096	-128.476	380
18-09-2007	-128.096	5.121.439	5.304.000	0	0	0	-310.656	-311.087	431
19-09-2007	-310.656	4.868.282	5.304.000	0	0	216.354	-530.020	-530.400	380

20-09-2007	-530.020	5.450.191	5.304.000	-41.423	0	0	-425.252	-425.545	293
21-09-2007	-425.252	5.775.415	5.304.000	0	0	0	46.163	45.733	430
22-09-2007	46.163	5.606.911	5.304.000	0	242.597	0	106.476	106.080	396
23-09-2007	106.476	5.189.997	5.304.000	0	0	0	-7.526	-7.920	394
24-09-2007	-7.526	3.926.235	4.944.000	0	0	495.409	-529.882	-530.400	518
25-09-2007	-529.882	5.167.826	5.218.800	0	0	51.022	-529.835	-530.400	565
26-09-2007	-529.835	5.910.884	5.304.000	0	0	0	77.050	76.433	617
27-09-2007	77.050	5.816.316	5.304.000	0	482.742	0	106.624	106.080	544
28-09-2007	106.624	5.143.948	4.404.000	0	739.889	0	106.683	106.080	603
29-09-2007	106.683	5.075.869	5.304.000	0	0	0	-121.448	-122.087	639
30-09-2007	-121.448	5.159.074	5.304.000	0	0	0	-266.374	-266.920	546