



Gas Regional Initiative

North West Regional Energy Market

Transmission Transparency Project First Implementation Report

**Ref: GRI-NW-RCC-25-07
Final Version
25-07-2008**

Document history

Version	Date	Description	Author
1	2008-07-02	Initial Draft	Ofgem
2	2008-07-25	Final Draft Key changes <ol style="list-style-type: none">1. New section 4.5 – Feedback on the less than three shipper rule2. Section 5.2 – Inclusion of TSO explanations regarding implementation delays3. New section 5.3 – Feedback on data quality4. Update of section 65. Inclusion of new annex 4 – TSO website links	Ofgem

Table of Contents

Contents

1	INTRODUCTION.....	5
2	PURPOSE OF THE REPORT	6
3	BACKGROUND	6
4	THE PROJECT PLAN	7
4.1	Objectives	7
4.2	Deliverables	7
4.3	Timeline	9
4.4	Scope.....	9
4.5	Feedback on less than three shipper rule.....	11
4.5.1	Fluxys	11
4.5.2	Ontras	12
4.5.3	GTS	13
4.5.4	E.ON Gastransport	13
4.5.5	RWE Transportnetz Gas.....	13
4.5.6	Energinet.dk.....	14
4.5.7	BEB.....	14
4.5.8	WINGAS TRANSPORT	14
5	IMPLEMENTATION REVIEW.....	14
5.1	Expected implementation progress	14
5.2	Implementation by data type.....	16
5.2.1	Max technical capacity (C1).....	17
5.2.2	Probability of interruption (C2)	17
5.2.3	Daily commercial firm and interruptible capacity (C3)	18
5.2.4	Aggregate daily flow and interruptions (F1)	18
5.2.5	Daily prompt allocation information (F2)	19
5.2.6	Daily aggregate day-ahead nominations (F3).....	20
5.2.7	Historic gas flow database (F4)	20
5.3	Feedback on data quality.....	20
6	CONCLUSION	21
6.1	Next Steps	22
6.2	Feedback.....	22
	ANNEX 1 – DATA DEFINITIONS	23

ANNEX 2 – IMPLEMENTATION PROGRESS INDICATORS	25
ANNEX 3 – CROSS-BORDER INTERCONNECTION POINTS	29
ANNEX 4 – TSO WEBSITES LINKS	34

Figures

Figure 1 – Number of cross-border interconnection points that TSOs have identified as subject to confidentiality conditions	10
Figure 2 – May 2008 implementation status for individual data types	17
Figure 3 – Specific time frames for implementation December 2007	27
Figure 4 – Specific time frames for implementation May 2008	28

Tables

Table 1 – Data types to be released by TSOs for cross-border interconnection points	8
Table 2 – Project timeline	9
Table 3 – Comparison of data provided at project start and data expected to be provided at separate project milestones	15
Table 4 – Agreed data specifications	24
Table 5 – Individual TSO implementation plan December 2007	25
Table 6 – Individual TSO implementation plan May 2008	26

1 Introduction

The European Regulators Group for Electricity and Gas (EREG) launched its Electricity and Gas Regional Initiatives (ERI and GRI) in spring 2006. The Regional Initiatives framework created seven electricity regions and three gas regions in Europe. The Gas Regional Initiative North-West (GRI NW) comprises nine countries¹ and is the largest of the three Gas Regional Initiatives in terms market size and geographic scope.

The overall aim of the Regional Initiatives is to facilitate the development of regional gas and electricity markets, working in cooperation with stakeholders, to remove barriers to trade and competition. The Regional Initiatives take a bottom up approach to reform by identifying the key barriers to progress and where possible, work with stakeholders to implement appropriate solutions.

There is a consensus among stakeholders that the main priorities for GRI NW are transparency and capacity and investment². These issues are critical to developing a market where gas can be freely traded between Member States on a non-discriminatory basis. Other areas identified as a lower priority were gas balancing, gas quality, the creation of trading hubs and storage. This report focuses on the progress in transparency.

The energy sector review by DG Competition³ highlighted the absence of information regarding the availability of gas transmission capacity as one of the main shortcomings in the market. Access to information on available network capacity and on the probability of interruptions is important to enable shippers to flow gas across Europe and to increase gas trading⁴.

A lack of information on available transmission capacity also acts as a barrier to entry for new market participants. This is especially true where the Transmission System Operator (TSO) is part of a vertically integrated company that may use its information advantage in transmission to effectively block entry in other parts of the gas market supply chain. It is impossible to guarantee non-discriminatory market access and gas trading on a regional basis in the absence of effective transparency.

As this report does not approve or guarantee the accuracy of the data submitted by TSOs we welcome feedback from stakeholders on the validity of the TSOs reported progress. Comments received as a result of the transparency workshop organised by Ofgem in London on 10 July 2008 to discuss this report, and in response to the first draft of the implementation report have been incorporated in this final version.

¹ Belgium, Denmark, France (Northern zone), Germany, Great Britain, Ireland, Netherlands, Northern Ireland, Sweden, with Norway acting as an observer

² "Roadmap and Vision for the Gas Regional Initiative North West" presented at the third stakeholder group meeting April 2008

³ The European Commission's Directorate General for Competition
(http://ec.europa.eu/comm/competition/index_en.html)

⁴ As identified in the European Commission's energy sector inquiry
<http://ec.europa.eu/comm/competition/sectors/energy/inquiry/index.html>

2 Purpose of the report

The purpose of this report is to comment on the implementation of the TSO Transmission Transparency Project. In December 2007 sixteen TSOs⁵ presented a project plan which committed them to publishing information on capacity availability and gas flows at cross-border interconnection points in the North-West gas region.

The data types to be published were agreed between TSOs and network users. It was agreed that TSOs would release new information on capacity⁶ and actual gas flows⁷ at cross-border interconnection points. The TSOs have committed to publishing the agreed information by three project milestones May, September or December 2008.

At the end of May 2008 the TSOs submitted initial data to Ofgem on implementation. This report presents the data submitted by the TSOs, provides comment on implementation progress and explains the next steps. This report does not approve or guarantee the accuracy of the data submitted by TSOs.

We would welcome feedback from stakeholders on the appropriateness of the reporting format and the validity of the TSOs reported progress.

3 Background

At workshops in Bonn and Dublin, respectively in February and April 2007, stakeholders in the North-West Gas Regional Initiative agreed that network users, represented by European Federation of Energy Traders (EFET) and International Federation of Industrial Energy Consumers (IFIIEC), would produce a detailed list of information requirements on behalf of gas market participants. The TSOs agreed to respond to this list with concrete proposals to improve transparency.

Questionnaires were sent to all TSOs in the region in May and June 2007. The questionnaires, prepared by EFET and the International Federation of Industrial Energy Consumers (IFIIEC), built up a picture of the information that was already being published by TSOs and highlighted potential barriers identified by TSOs to further transparency improvements.

⁵ RWE Transportnetz Gas, Fluxys, E.ON Gastransport, Svenska Kraftnät, National Grid, BGE, GRTgaz, GTS, WINGAS TRANSPORT, Interconnector UK, Ontras, Energinet, BEB, DEP, Swedegas, Gaz de France Deutschland Transport

⁶ Max technical capacity, interruption probability, daily commercial firm and interruptible capacity

⁷ Daily flows and interruptions, daily prompt allocations, Daily aggregate day-ahead nominations, historic gas flows

The results of the transparency questionnaires were presented at the September 2007 mini-workshop in London and a summary report was published on the ERGEG website⁸. At the workshop, TSOs and user groups agreed that the key priority for improving transparency was the provision of daily information on capacity and gas flows at cross-border interconnection points. TSOs committed to produce a project plan for the release of information on the seven specified data types (set out in section 4.2) at cross-border interconnection points.

The TSOs presented their initial Transmission Transparency Project Plan at the October 2007 Stakeholders Group meeting in The Hague. This plan set out the information that TSOs had agreed to provide and the milestones for the publication of all of the agreed information. A final draft of the project plan was presented and agreed upon at the Regional Coordination Committee in December 2007.

4 The project plan

4.1 Objectives

As set out in the project plan presented at the October 2007 Stakeholders Group meeting, the overall objectives of the project are to:

- improve the publication of capacity and flow data to a high standard;
- provide clarity over current and proposed published data definitions; and
- demonstrate TSO commitment to respond to network users and market requirements.

At the April 2007 Dublin workshop user groups expressed a preference for the rapid release of new information with respect to cross-border interconnector points rather than a focus on producing information in a standardised or particular format.

4.2 Deliverables

The September mini-workshop held in London provided an opportunity for stakeholders to reach agreement on the specific data to be released by TSOs in 2008. It was decided that TSOs would release data for cross-border interconnection points to describe actual gas flows and transmission capacity at each point. The specific data list is described in table 1 below. A more detailed description of each data type that TSOs have committed to release is provided in annex 1.

⁸ http://www.energy-regulators.eu/portal/page/portal/EER_HOME/EER_INITIATIVES/GRI/North_West/Achievements/Transparency

Gas Flows	
(F1)	Daily flow and interruptions
(F2)	Daily prompt allocations
(F3)	Daily aggregate day-ahead nominations
(F4)	Historic gas flows

Transmission Capacity	
(C1)	Max technical capacity
(C2)	Interruption probability
(C3)	Daily commercial firm and interruptible capacity

Table 1 – Data types to be released by TSOs for cross-border interconnection points

It should be clear that all the information requested is already available to TSOs and is essential to creating an environment in which customers can trade gas freely between Member States on a non-discriminatory basis.

For interconnector transmission capacity, information on maximum technical capacity is easily obtainable and held by all TSOs. Publishing this information enables market participants to analyse local transmission constraints. It also signals the potential for network investment and development to the market.

The publication of daily commercial firm and interruptible capacity enables customers to determine what capacity is available for purchase and what has already been sold. Without this information it is impossible for network users to determine network utilisation rates, and assess capacity constraints. It also means that, in the absence of a perfectly effective Chinese wall, supply affiliates of vertically integrated TSOs may have an unfair information advantage when competing downstream in the supply markets with other network users.

Information on interruption probability is important as it allows customers to understand the potential costs and risks of entering into a contract for interruptible transmission capacity. Without this information it is not possible for customers to assess the relative value of firm and interruptible contracts. An exact definition of interruption probability could not be agreed by TSOs and stakeholders. It was agreed that, if the information listed in table 4 (annex 1) were published, shippers would have sufficient information to estimate the probability of being interrupted. Shippers are still invited to develop a common definition of interruption probability based on the information in table 4.

Customers require information on actual gas flows (daily prompt allocation information) in order to determine their costs. This information is commercially sensitive and is only provided to individual customers on an individual and confidential basis. However, aggregated information on daily flows and interruptions at an interconnection point, published on an ex-post basis (after the day), helps customers to assess the risk of interruption and manage the related potential costs.

The publication of information on daily aggregate day-ahead nominations enables customers to make an assessment of available capacities at each interconnection point. This would enable customers to adjust their nominations to utilise unused capacity and result in more efficient utilisation of the existing infrastructure. The release of historic gas flow information for interconnection points contributes to the assessment of the likelihood of interruption and helps assess grid capacity constraints.

4.3 Timeline

TSOs committed to the following timeline (table 2) for the release of new information. The table sets out the project milestones against which TSOs expect to be able to release data. All sixteen TSOs committed to releasing all of the data types described in table 1 for the relevant interconnection points before the end of the project period in December 2008. A detailed breakdown of the milestones committed to by individual TSOs can be found in annex 2.

	2007				2008												
	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Identification areas of quick wins	▲																
High level plan		▲															
Feedback			■														
TSOs finalization on plans			■	■													
Detailed project plan				▲													
Implementation at each TSO																	
Result																	▲

Table 2 – Project timeline

4.4 Scope

The European Gas Regulation⁹ requires TSOs to publish information on technical, contracted and available capacities for all relevant entry and exit points on a regular basis and in a user-friendly standardised manner. However, at this stage, the scope of the project is for TSOs to release the relevant data for cross-border interconnection points. Interconnection points between TSOs respective networks within Member States are outside of the scope of the current project. However, this does not prevent TSOs from meeting their obligations under the Gas Regulation and publishing the required information for all relevant points.

⁹ Regulation (EC) No. 1775/2005 of the European Parliament and of the Council of 28 September 2005 on conditions for access to the natural gas transmission networks

Where a TSO considers that it cannot make all the required information public due to confidentiality concerns, it must seek authorisation from the relevant national authority to limit publication. It is only possible to grant authorisation to limit the release of information where less than three network users have contracted for capacity at the same point. The Regional Coordination Committee (RCC) approved guidance on the application of the “less than three shipper rule” by TSOs, competent authorities and network users¹⁰.

Currently, of the 128 cross-border interconnection points identified, the TSOs consider that at 95 points there are no confidentiality concerns. Therefore, it is expected that the TSOs will, at least, make the information available at these interconnection points. The number of cross-border interconnection points for which individual TSOs will make data available is summarised in figure 1 below. A detailed breakdown of these interconnection points is included in annex 3.

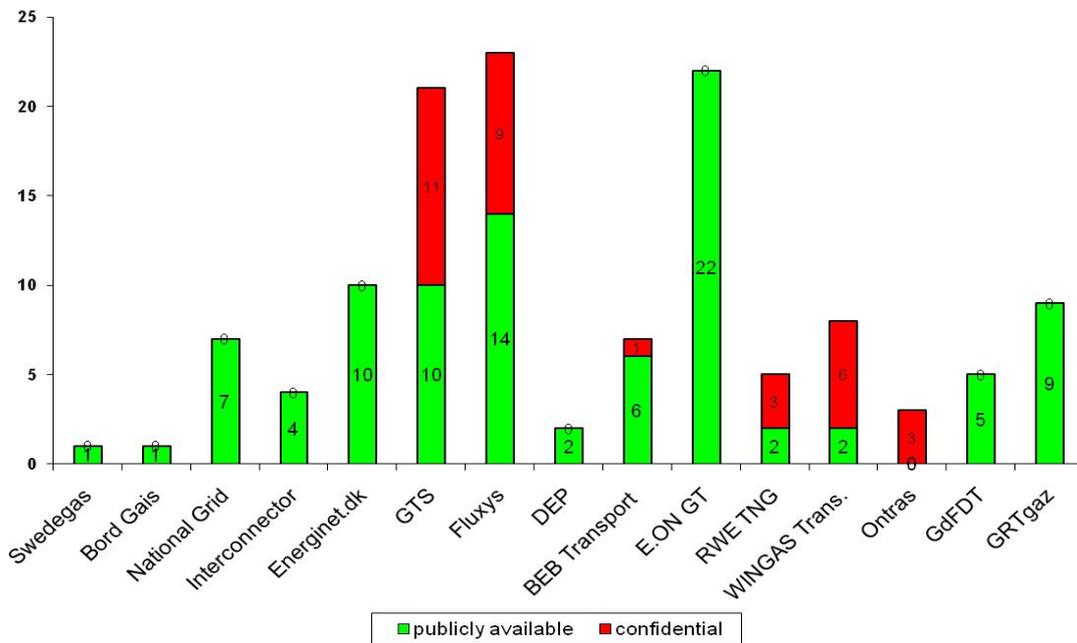


Figure 1 – Number of cross-border interconnection points that TSOs have identified as subject to confidentiality conditions

The number of interconnector points for which TSOs are able to release information has increased as the project has progressed. For example, both E.ON Gastransport and RWE Transportnetz Gas reached agreement with shippers that information can be released for an increased number of interconnection points. TSOs provided further clarification of the impact of the less than three shipper rule on the project deliverables.

¹⁰ Available on the GRI NW transparency website: http://www.energy-regulators.eu/portal/page/portal/EER_HOME/EER_INITIATIVES/GRI/North_West/Meetings/SG_meetings/2nd_NNW_SG/DD/Cover%20note%20and%20revised%20less%203%20post%20consultclean.doc

4.5 Feedback on less than three shipper rule

Following the transparency workshop held in London on the 10 July, Ofgem requested TSOs to provide feedback with regard to the application of the less than three shipper rule. Specifically TSOs were requested to differentiate between interconnection points where:

1. there are less than three shippers and ALL information (the seven data types) set out in the project will be published anyway;
2. there are less than three shippers and authorisation has been given by the relevant national authority for information to not be released; and,
3. there are less than three shippers and authorisation has been requested from the relevant national authority not to release information, but authorisation has not yet been granted.

TSOs were further asked to distinguish between data types that will and will not be published as a result of the application of the less than three shipper rule, and the relevant interconnection points for which this applies.

Responses were received from a number of stakeholders. However, it is recognised that this is one area where further clarification is still required and as a result, more detailed questions on the less than three shipper rule will be included in TSO questionnaires for the second implementation report.

The information presented in this section is based on feedback received from TSOs, who have specified the data items which they are able or willing to publish, pending the decision of the relevant national authority. This report does not prejudge the outcome of future decisions by the competent authorities on the application of the less than three shipper rule.

4.5.1 Fluxys

The CREG¹¹ confirmed that it has received a request from Fluxys, on behalf of its network users, for the less than three rule to be applied to nine of its interconnection points (see figure 1 and annex 3). The CREG commented that it hoped to take a decision in the second half of 2008.

Additionally, Fluxys explained the data types that it would publish for those interconnection points where it is awaiting a decision from CREG.

- Fluxys will publish information on:
 - maximum technical capacity (C1);

¹¹ Commission de Régulation de l'Électricité et du Gaz

- where possible, the level of interruption probability (C2);
- daily commercial firm and interruptible capacity (C3); and,
- daily prompt allocations information for each shipper (F2)
- Fluxys will not publish information on:
 - daily flow and interruptions (F1);
 - daily aggregate day-ahead nominations (F3); and,
 - historic gas flow information (F4).

4.5.2 Ontras

Ontras confirmed that it has requested authorisation from the German regulatory authority, BNetzA¹², to apply the less than three shipper rule to the two cross-border interconnection points that it operates upon the request of the shippers. Ontras is still awaiting a final decision.

Ontras explained the data types that it would publish for those interconnection points where it is awaiting a decision from BNetzA.

- Ontras will publish information on:
 - daily commercial firm and interruptible capacity (C3); and,
 - daily prompt allocations information for each shipper (F2).
- Ontras will not publish information on:
 - maximum technical capacity (C1);
 - the level of interruption probability (C2)
 - daily flow and interruptions (F1);
 - daily aggregate day-ahead nominations (F3); and,
 - historic gas flow information (F4).

¹² Bundesnetzagentur

Therefore, as a result of the application of the less than three shipper rule Ontras is only able to release information on two of the data types for the two cross-border interconnection points that fall within the scope of the project. The report has been updated to show that Ontras will not be able to release information on five of the data types.

4.5.3 GTS

GTS confirmed that it has requested authorisation from the Dutch Office of Energy Regulation to apply the less than three shipper rule for eleven of the cross-border interconnection points that it operates upon the request of shippers. GTS is awaiting a final decision.

GTS explained the data types that it would publish for those interconnection points where it is awaiting a decision.

- GTS will publish information on:
 - daily commercial firm and interruptible capacity (C3); and,
 - daily prompt allocations information for each shipper (F2).

- GTS will not publish information on:
 - maximum technical capacity (C1);
 - the level of interruption probability (C2)
 - daily flow and interruptions (F1);
 - daily aggregate day-ahead nominations (F3); and,
 - historic gas flow information (F4).

4.5.4 E.ON Gastransport

In the transmission transparency project plan presented by TSOs at the 8th RCC meeting on 13 December 2007, E.ON Gastransport specified that it had received requests from its shippers for the less than three shipper rule to be applied to the cross-border interconnection that it operates.

Subsequently, E.ON Gastransport has provided feedback that, following negotiation with its shippers, this request has now been dropped. As a result, E.ON Gastransport will be able to provide information on all seven data types for all the cross-border interconnection points that it operates.

4.5.5 RWE Transportnetz Gas

In the initial project plan presented by TSOs, RWE Transportnetz Gas specified that it had received requests from its shippers for the less than three shipper rule to be applied to all five cross-border interconnection points that it operates.

In its response to the draft implementation report, RWE Transportnetz Gas explained that following negotiation with its shippers, the shipper's request for two of the five interconnection points has been dropped. Therefore, RWE Transportnetz Gas is committed to publishing all information specified by the project for two cross-border interconnection points.

RWE Transportnetz Gas did not provide feedback on which of the seven data types will be published for the three remaining interconnection points where shippers have requested for the less than three shipper rule to be applied.

4.5.6 Energinet.dk

In its response to the draft implementation report, Energinet.dk explained that there were two points on its network where less than three shippers were active (Entry Nybro and Entry Dragør). None of Energinet.dk's interconnection points are classified as confidential. However, Energinet.dk did point out that the number of shippers operating at any interconnection point could change on a day to day basis. For example, historically there have been more than two shippers active at Entry Nybro.

4.5.7 BEB

BEB confirmed that BNetzA has now reached a decision regarding the application of the less than three shipper rule to the network exit point, Ellund (H-Gas). BEB explained that it is in the process of implementing this change in its IT systems and that the respective information regarding exit point Ellund will be available soon.

4.5.8 WINGAS TRANSPORT

We have not yet received a response from WINGAS TRANSPORT with regard to the application of the less than three shipper rule.

5 Implementation Review

In their project plan TSOs committed to reporting on implementation progress in May, September and December. The first implementation progress report was submitted by TSOs to Ofgem at the end of May. This report presents the data submitted to Ofgem in the TSOs first progress report.

It is important to note that in presenting this report we are not approving or guaranteeing the data submitted by TSOs and we would welcome feedback from other stakeholders on its accuracy.

5.1 Expected implementation progress

In December 2007 some TSOs were already publishing information on gas flows and available capacity at the relevant cross-border interconnection points. As table 3 below shows 69 per cent of TSOs already provided maximum technical capacity data and 81 per cent of TSOs already provided daily prompt allocation information. However, fewer TSOs were providing daily flow aggregated information or daily aggregated day-ahead nominations, only 25 per cent and 13 per cent respectively.

Each TSO committed to publish a particular type of data at relevant cross-border interconnections points by one of the three milestones: May 2008, September 2008 or December 2008. The detail of each TSO's commitments is set out in annex 2. Table 3 gives an overview of the percentage of TSOs that committed to publish each type of data by each milestone, at the start of the project.

The project will not result in 100 per cent of the data being published by the end of 2008. The fact that only 94 per cent of the maximum technical capacity (C1), daily commercial firm and interruptible capacity (C3) and daily prompt allocation information (F2) means that one TSO will not be publishing this information. For C1 and C3 this is Svenska Kraftnät and for F2 this is Swedegas.

Data Type	% provided in December 2007	% expected by May 2008	% expected by September 2008	% expected by December 2008
(C1) Max technical capacity	69	94	94	94
(C2) Interruption	31	50	81	88
(C3) Daily commercial firm and interruptible capacity	56	75	88	94
(F1) Daily flow / aggregated Allocation	25	75	94	100
(F2) Daily prompt allocation information	81	88	88	94
(F3) Daily aggregate day-ahead nominations	13	31	63	75
(F4) Historic gas flow information database	44	63	100	100

Table 3 – Comparison of data provided at project start and data expected to be provided at separate project milestones

The two Swedish companies have reported that they will jointly implement this project. Svenska Kraftnät is the government appointed transmission system operator and holds no network assets in Sweden, its main responsibility is transmission system balancing. Therefore, it will publish the information on daily prompt allocation information (F1) and daily aggregate day-ahead nominations (F3). It reports to already provide daily prompt allocation information (F2) to shippers on a confidential basis.

The remaining four data types (C1, C2, C3 & F4) will be provided by Swedegas. Swedegas is the owner of both the Danish interconnector and most of the Swedish transmission system. The remaining part of the transmission system is owned by E.ON Gas Sverige. These roles were clarified as part of the process of drafting this report and the data provided by TSOs on project implementation will be revised to reflect this for the next implementation report¹³.

The fact that only 88 per cent of interruption data (C2) will be provided reflects the fact that Svenska Kraftnät (as explained above) and WINGAS TRANSPORT has not committed to releasing information. WINGAS TRANSPORT has not provided an explanation of its reasons not to publish this data.

In addition to Swedegas (as explained above), three of the TSOs, GRTgaz, Energinet.dk, and Gaz de France DT have not committed to publishing daily aggregate day-ahead nominations (F3). This explains why only 75 per cent of this data will be available by end of December 2008. GRTgaz stated that implementation of this information was not possible before 2009 as it is currently consulting on changes to the balancing system¹⁴. Energinet.dk stated that single shippers nominations are confirmed at 18:00 before the gas day but that it has no plans to publish aggregated information. Gas de France DT provided no explanation.

5.2 Implementation by data type

Progress on project implementation is mixed. By May 2008 more TSOs than expected had published information on historic gas flows (F4). The project is on track for the publication of daily and firm interruptible capacity (C3) and daily prompt allocation information (F2). However, not all of the TSOs have made available the data that they had committed to publishing. Fewer TSOs than expected have published maximum technical capacity (C1), interruptions data (C2), daily flow aggregated information (F1) or daily aggregated day-ahead nominations (F3).

Figure 2 compares the number of TSOs that had committed to publishing information on each data type by May 2008 to the number of TSOs that have actually published the relevant information. For example, for maximum technical capacity (C1), four TSOs committed to releasing this data by May 2008 compared to three TSOs that actually released the data. Tables 5 and 6 in annex 2 provide further detail on the timeframes within which individual TSOs committed to releasing information on specific data types. Table 5 shows the timetables that individual TSOs committed to in December 2007. Table 6 provides an overview of progress for individual TSOs in releasing information on specific data types by May 2008. The rest of this section summarises the progress for each type of data.

¹³ In its response to the draft implementation report, the Swedish regulatory authority (Energy Markets Inspectorate) commented that there still existed a lot of unused capacity on the interconnector owned by Swedegas and that congestion did not represent a constraint for shippers to book capacity.

¹⁴ GRTgaz states that publication of this data is dependent on the consultation process it is currently undertaking on the evolution of the balancing system. GRTgaz stated that it hopes the consultation process will result in the publication of this data in early 2009. If possible, 1 January 2009, when the North, East and West balancing zones in France will merge.

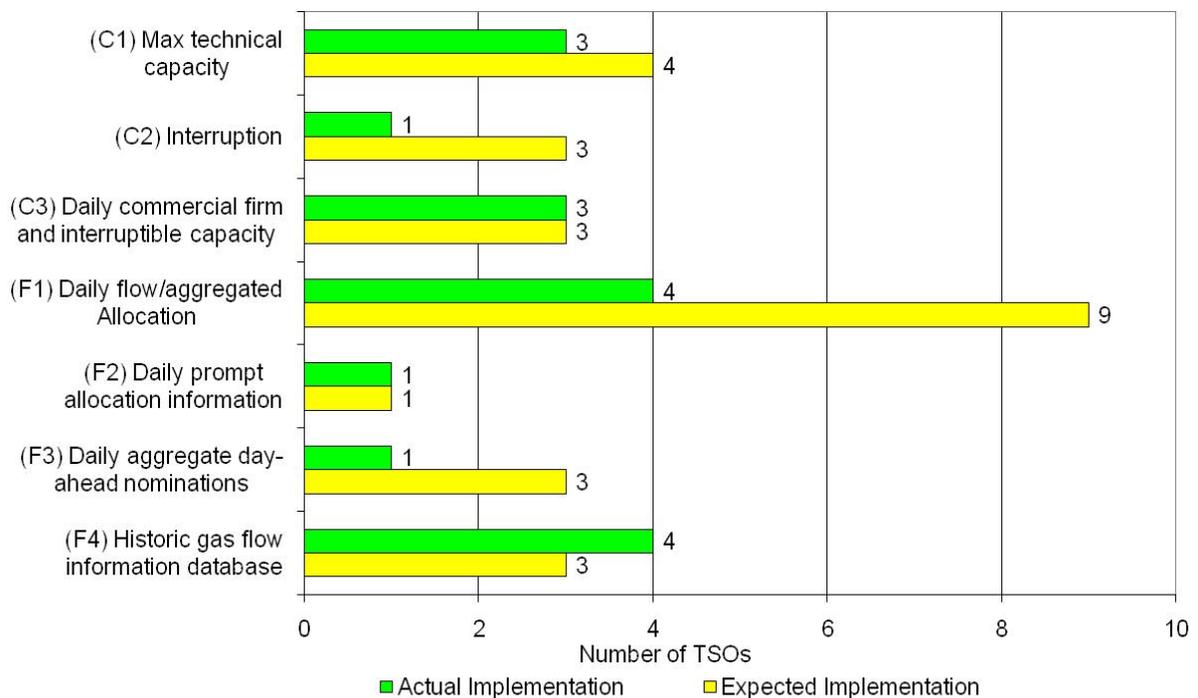


Figure 2 – May 2008 implementation status for individual data types

5.2.1 Max technical capacity (C1)

For information on max technical capacity, four TSOs committed to releasing this information by May 2008 and only three TSOs (Fluxys, BGE, Energinet.dk) have actually released the information. Swedegas, the TSO which was not able to release this information on time has committed to do so by September 2008.

Swedegas stated that max technical capacity in the Swedish transmission system is dependent on pressure and available capacity in the Danish transmission system. Therefore, the best capacity information Swedegas can publish is the max technical capacity given for the Dragör exit point in Denmark. If Swedegas publishes the relevant information as expected by September 2008, the project will have achieved its aims in respect of this data type.

5.2.2 Probability of interruption (C2)

For information on the probability of interruption, three TSOs committed to releasing this information by May 2008. Of these three TSOs (Ontras, Energinet.dk & Swedegas) none has actually published this information. E.ON Gastransport had committed to releasing the information by September 2008 but was able to release it ahead of schedule.

Due to the application of the less than three shipper rule and the pending decision from BnetzA, Ontras is no longer able to commit to publishing this information for its two cross-border interconnection points.

Energinet.dk stated that this information will be made available as part of its new online booking system which was expected to come online in early spring. Energinet.dk has now revised the IT project implementation plan and expects to publish this information by September 2008.

Swedegas commented that the probability of interruption due to technical interconnector outages were lower than the probability of interruption due to disruptions in upstream gas supply. As a result Swedegas has postponed publication until it receives reliable data from upstream supply parties. Swedegas now expects to publish this information by September 2008.

A further 3 TSOs (BGE, BEB and DEP) are expected to publish this information by September 2008. Two TSOs, Fluxys and RWE Transportnetz Gas have committed to publishing this information by December 2008.

The project is currently severely behind schedule in respect of this data. Only one TSO, E.ON Gastransport, (in addition to those already publishing this information) has released the relevant data. Given the difficulties experienced by the three TSOs and the high number of TSOs (7) still to publish this information, there is a risk that not all of this data will be available by the end of 2008.

5.2.3 Daily commercial firm and interruptible capacity (C3)

For information on daily commercial firm and interruptible capacity three TSOs committed to releasing this information by May 2008 and four TSOs reported to having released the information. The three TSOs (Fluxys, BGE and Energinet.dk) that had committed to releasing the information reported that they have done so. In addition, National Grid, which was expected to release the information by September 2008, has done so ahead of schedule.

However, concerns have been raised that the information released by Fluxys does not meet the specifications agreed upon between network users and TSOs. As set out in Annex 1 the information for this data type should be updated and published on a daily basis. Fluxys updates the indicative information on its website on a monthly basis. Therefore, we have not included Fluxys as having published this information. In its feedback on the draft implementation report Fluxys indicated that it was willing to update this information on a daily basis.

This information is due to be published by RWE Transportnetz Gas and Swedegas by September 2008. The project is on track at this stage but there is still a risk that the aims of the project will not be met if TSOs do not all publish the information to the agreed specifications.

5.2.4 Aggregate daily flow and interruptions (F1)

For information on aggregate daily flow and interruptions published on an after the day basis eight TSOs committed to publishing this information by May 2008 and four TSOs (E.ON Gastransport, BEB, DEP, GdF DT) reported having done so. Of the four TSOs that did not release this data by May 2008, Swedegas committed to releasing the data by September 2008. WINGAS TRANSPORT and Energinet.dk committed to release the data by December 2008.

Due to the application of the less than three shipper rule and the pending decision from BnetzA, Ontras is no longer able to commit to publishing this information for its two cross-border interconnection points. Energinet.dk stated that this information will be made available as part of its new online booking system and expects to publish this information by September 2008.

Swedegas commented that it has experienced difficulties in data transfer from the metering station in Dragör to its IT systems. The metering station is owned and operated by Energinet.dk. Swedegas hope to overcome the signalling problems and publish this information by September 2008.

Fluxys reported to have published this information ahead of schedule. However, concerns have been raised whether the information released by Fluxys is consistent with the required specifications. In its response Fluxys explained that it publishes daily aggregate flows on a monthly basis as part of its historic gas flow database. Therefore, we have not included Fluxys as having published this information. Fluxys explained that the GTE+ transparency platform¹⁵ also foresees the publication of gas flow data. Therefore, Fluxys intends to combine the outputs for these two transparency projects with publication both its own website and that of GTE+.

A further two TSOs, RWE Transportnetz Gas and BGE expect to publish this information by September 2008.

The project is behind schedule for this data type. Given that four of the TSOs have experienced delays and there are still 6 or 7 TSOs (depending on Fluxys position) to publish this information, there is a risk to the project achieving its aims.

5.2.5 Daily prompt allocation information (F2)

This information should be provided on a confidential basis by TSOs to all network users so that they are able to determine their costs promptly. Thirteen of the sixteen TSOs already provided this information to network users at the start of the project. E.ON Gastransport released this information by May 2008 as scheduled. Svenska Kraftnät was due to publish this information by September 2008. In the process of drafting this report Svenska Kraftnät has clarified that it already provides this information to shippers on a confidential basis. It was not possible to verify whether this is the case.

The project is on track for this data type.

¹⁵ Gas Transport Europe (GTE) represents European Transmission System Operators, information on GTE is available at the website, <http://www.gie.eu.com/>, and on GTE+ at, <http://www.gie.eu.com/workshop/index.htm>

5.2.6 Daily aggregate day-ahead nominations (F3)

Three TSOs committed to releasing this information to network users by May 2008. Of these three TSOs (Ontras, DEP and WINGAS TRANSPORT), none has released the information. E.ON Gastransport had committed to release this information by September 2008, but was able to release the information ahead of schedule.

Of the three TSOs that were not able to release the information, DEP have committed to release the information by September 2008. WINGAS TRANSPORT has committed to release the information by December 2008. Due to the application of the less than three shipper rule and the pending decision from BnetzA, Ontras is no longer able to commit to publishing this information for its two cross-border interconnection points.

Four further TSOs (Svenska Kraftnät, RWE Transportnetz Gas, BGE and BEB) have committed to release this information by September 2008. Fluxys and National Grid have committed to release this information by December 2008.

The project is behind schedule for this data type. Only one TSO, E.ON Gastransport, has published this information (in addition to those already publishing it). Given that all three TSOs have experienced delays and a number of TSO (8) are still to release this information, there is a risk that not all of this data will be available by the end of the project.

5.2.7 Historic gas flow database (F4)

Three TSOs committed to release this information by May 2008. Of these three TSOs, two (WINGAS TRANSPORT and BEB) released the information on schedule. Due to the application of the less than three shipper rule and the pending decision from BnetzA, Ontras is no longer able to commit to publishing this information for its two cross-border interconnection points.

Two TSOs (E.ON Gastransport and DEP) were also able to release historic gas flow information ahead of schedule. A further three TSOs (RWE Transportnetz Gas, BGE and Swedegas) have committed to releasing this information by September 2008.

Overall the project is ahead of schedule for this data type since two TSOs published ahead of schedule.

5.3 Feedback on data quality

Ofgem received some initial feedback from network users with regard to the “quality” of the new information released by TSOs. Network users welcomed the fact that there had been a significant improvement in the level of information being published by several TSOs in NW gas region over the past year. Network users also welcomed that TSOs would submit web-links to the published data for inclusion in the final implementation report (see annex 4). However, concerns were raised with regard to data definitions, the presentation and consistency of the published data.

Network users commented that it would be useful if the implementation report included common definitions of the data being published to ensure a consistent interpretation of publication requirements across all TSOs. The data definitions agreed upon between network users and TSOs at the start of the project have been included in annex 1. However, it is apparent that these definitions are not sufficiently detailed to ensure harmonisation between TSOs.

Network users noted that presentation of data varied greatly between TSOs and greater harmonisation of presentation would increase the value of the information already published. They also highlighted that inconsistencies had been identified in gas flow data between TSOs at cross-border interconnection points and the online information provided could not explain the observed differences.

These are areas where further work is required and where value can be added to the data already published by TSOs.

6 Conclusion

The results at this first implementation stage are mixed. Overall the project is ahead of schedule for historic gas flows (F4) due to the early implementation by E.ON Gastransport and DEP. However, as this data only requires periodic updates it may be less complicated to make available than other types. The project is also broadly on track for daily commercial and interruptible capacity (C3) and daily prompt allocation information (F2). It must also be recognised that some TSOs have published information ahead of schedule. For example, E.ON Gastransport has published all of the required information. National Grid has also implemented daily commercial firm and interruptible capacity (C3) ahead of schedule.

However, the project is suffering delays for four of the seven data types. All those TSOs that failed to publish information on schedule have committed to do so by December 2008. As only one TSO has been unable to publish maximum technical capacity (C1) data, the overall risk to the project being severely delayed in this respect is low. The areas with the poorest progress and where delays pose the greatest risk are the release of information on the probability of interruption (C2), aggregated daily flow/interruption information (F1) and aggregated day-ahead nominations (F3).

For each of these data types three or four TSOs (a combination of Ontras, Swedegas, WINGAS TRANSPORT, Energinet.dk and DEP) did not published the information as expected by May 2008. The only TSO (in addition to those already providing the information) to release information on the probability of interruption (C2) and aggregated day-ahead nominations (F3) is E.ON Gastransport. None of the TSOs expected to release this information had done so by May 2008. Only four of the eight TSOs expected to publish aggregated daily flow/interruption information (F1) had done so. As a result for all of these data types around half of the sixteen TSOs still have to publish this information in the remaining stages of the project.

The transparency workshop held in London on the 10 July provided a useful platform for stakeholders to share their views on project progress and have an initial discussion on possible next steps for the project. At the workshop it was agreed that network user groups would cooperate to produce a document that set out their priorities with regard to improving transmission transparency. This could constitute the basis for a second phase of the transparency project. TSOs committed to providing an initial response to the network users paper at the November stakeholders conference.

6.1 Next Steps

The TSOs will report on their progress in the second implementation stage in September 2008. A second implementation report will be produced for the transmission transparency project in time for the stakeholder conference on 14 November 2008. Following project completion in December 2008 a final implementation report will be produced in early 2009 to assess the overall success of the project. We welcome any stakeholder feedback on the appropriateness of the reporting format and on perceptions of project progress. We will include any suggested amendments in the November implementation report.

6.2 Feedback

If you wish to provide feedback on, or discuss, any aspect of this document, please contact any of the following people who will be pleased to help:

- Carlos Martinez – telephone number: +44 (0) 207 901 7070, fax number: +44 (0) 207 901 7479, email: carlos.martinez@ofgem.gov.uk
- Olaf Islei – telephone number: +44 (0) 207 901 7114, fax number: +44 (0) 207 901 7479, email: olaf.islei@ofgem.gov.uk

Annex 1 – Data definitions

The following table provides specifications for the information to be released on each data type as described in the TSO project plan and agreed at the September workshop in London.

Data type definitions	
	<ul style="list-style-type: none"> The provision of the following information refers to cross-border interconnection points D + 1: the gas day after the relevant day D – 1: the gas day before the relevant day All information are published on the TSOs' websites [except for shipper specific information (F2)] Hourly\Daily Information on a daily basis (d+1) dependent on market arrangements
Capacity information	(C1) Max technical capacity of the transmission system <ul style="list-style-type: none"> Static data which only varies with additional investment, transmission asset expiry etc... Expected to be updated on a periodic/annual basis following a permanent change in maximum technical capability Each TSO will publish a definition of the provided data according to the relevant market rules
	(C2) Level of interruption probability <ul style="list-style-type: none"> Information on previous interruptions may indicate the chance of being interrupted in the future TSOs are/will be publishing following Information: <ul style="list-style-type: none"> Maintenance plans Information on flows and previous interruptions (see F1) Booked firm and interruptible capacities (see C3) Available firm and interruptible capacities (see C3) Day-ahead nominations (see F3) TSOs invite market participants to define a “traffic light” definition based on the information above Individual plans will show current release and potential enhancement
	(C3) Daily commercial firm and interruptible capacity <ul style="list-style-type: none"> Dynamic data reflecting the levels of booked and available capacity Aggregate values of each of the following capacity categories, as applicable, for the relevant gas day: <ul style="list-style-type: none"> Booked firm entry capacity Booked firm exit capacity Booked interruptible entry capacity Booked interruptible exit capacity Available firm entry capacity Available firm exit capacity Available interruptible entry capacity Available interruptible exit capacity Updated Information on a daily basis dependent on market arrangements

Data type definitions	
Flow Information	(F1) Daily flow and interruptions
	<ul style="list-style-type: none"> • Dynamic data reflecting actual flows and interruptions • Aggregate gas flow / aggregate confirmed nominations in each direction • Aggregate gas flow interruptions initiated by TSO in each direction • Published D + 1
	(F2) Daily prompt allocation information to each shipper
	<ul style="list-style-type: none"> • Dynamic data reflecting flow allocation • provided daily via private website or EDIGAS/ other direct communication links • For each shipper, their individual allocation of gas in each direction (where applicable) • Published D + 1
	(F3) Daily aggregate day-ahead nominations
<ul style="list-style-type: none"> • Dynamic data reflecting aggregate nominations day-ahead • Sum of all nominations received by TSO at first gate closure • Test period to make sure market players' / TSOs' positions are not jeopardised • Published D – 1 	
(F4) Historic gas flow information database	
<ul style="list-style-type: none"> • Historic repository of information specified in 'Daily flow and interruptions' (F1) 	

Table 4 – Agreed data specifications

Annex 2 – Implementation progress indicators

	E.ON GT	Fluxys	Svensk Kraftnät	RWE TNG	National Grid	Interconnector	BGE	WINGAS Transport	Ontras	GRTgaz	Energinet.dk	BEB	DEP	Swedegas	GdFDT	GTS
Max technical capacity	in place	earlier		in place	in place	in place	earlier	in place	in place	in place	earlier	in place	in place	earlier	in place	in place
Interruption	later	final		final	in place	in place	later		earlier	in place	earlier	later	later	earlier	in place	in place
Daily commercial firm and interruptible capacity	in place	earlier		later	final	in place	earlier	in place	in place	in place	earlier	in place	in place	later	in place	in place
Daily flow / aggregated Allocation	earlier	final	later	later	in place	in place	later	earlier	earlier	in place	earlier	earlier	earlier	earlier	earlier	in place
Daily prompt allocation information	earlier	in place	later	in place	in place	in place	in place	in place	in place	in place	in place	in place	in place		in place	in place
Daily aggregate day-ahead nominations	later	final	later	later	final	in place	later	earlier	earlier			later	earlier			in place
Historic gas flow information database	later	in place	later	later	in place	in place	later	earlier	earlier	in place	in place	earlier	later	later	in place	in place

April 2007 earlier
 October 2007 later
 December 2007 final

Table 5 – Individual TSO implementation plan December 2007

- During the drafting of the report, the respective responsibilities of Svenska Kraftnät and Swedegas were clarified. Swedegas will be responsible for providing all data except on daily prompt allocation information and daily aggregate day-ahead nominations. The TSO data will be update in time for the next implementation report.

	E.ON GT	Fluxys	Svensk Kraftnät	RWE TNG	National Grid	Interconnector	BGE	WINGAS Transport	Ontras	Energin et.dk	BEB	DEP	Swede gas	GRTgaz	GTS
(C1) Max technical capacity	in place	in place		in place	in place	in place	in place	in place	in place	in place	in place	in place	later	in place	in place
(C2) Level of interruption	in place	final		final	in place	in place	later			later	later	later	later	in place	in place
(C3) Daily commercial firm and interruptible capacity	in place	final		later	in place	in place	in place	in place	in place	in place	in place	in place	later	in place	in place
(F1) Daily flow and interruptions	in place	final		later	in place	in place	later	final		final	in place	in place	later	in place	in place
(F2) Daily prompt allocation information	in place	in place	in place	in place	in place	in place	in place	in place	in place	in place	in place	in place		in place	in place
(F3) Daily aggregate day-ahead nominations	in place	in place	final	later	final	in place	later	final			later	later			in place
(F4) Historic gas flow information database	in place	final		later	in place	in place	later	in place		in place	in place	inpla	later	in place	in place

Published
 October 2008
 December 2008

in place
later
final

Table 6 – Individual TSO implementation plan May 2008

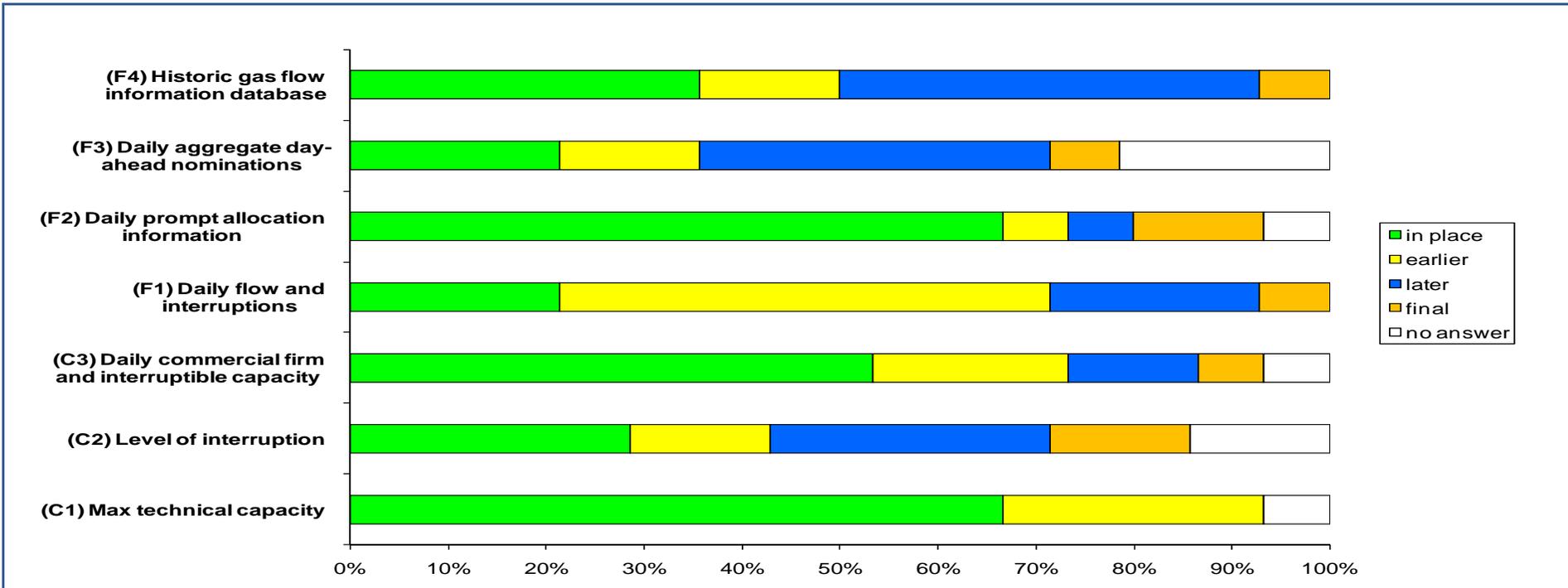


Figure 3 – Specific time frames for implementation December 2007

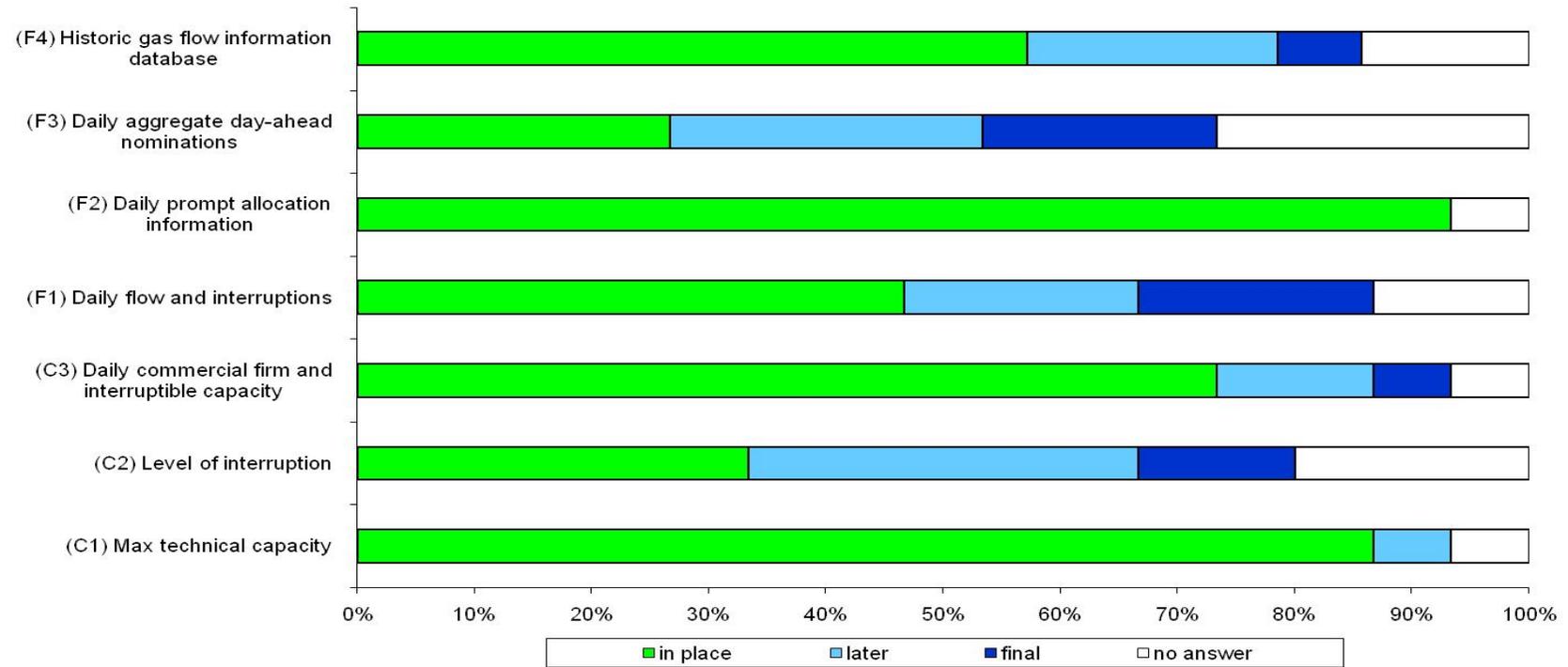


Figure 4 – Specific time frames for implementation May 2008

Annex 3 – Cross-border interconnection points

No.	Interconnector Name	Type: Entry or Exit	Connected TSO	Confidential
TSO 1: Swedegas				
1.	Dragør	Exit	Energinet.dk	No
TSO 2: Svenska Kraft				
1.				
TSO 3: Bord Gais				
1.	Moffat	Entry	National Grid	No
TSO 4: National Grid				
1.	Bacton	Entry	Interconnector`	No
2.	Bacton	Exit	Interconnector`	No
3.	Bacton	Entry	BBL	No
4.	Moffatt	Exit	Bord Gais	No
5.	Easington	Entry	Gassco/Centrica	No
6.	Milford Haven	Entry	Dragon/South Hook	No
7.	Isle of Grain	Entry	Grain LNG	No
TSO 5: Interconnector				
1.	IZT	Entry	Fluxys	No
2.	IZT	Exit	Fluxys	No
3.	Bacton	Entry	National Grid	No
4.	Bacton	Exit	National Grid	No
TSO 6: Energinet.dk				
1.	Nybro	Entry	DONG Energy	No
2.	Ellund	Entry	E.ON Gastransport	No
3.	Ellund	Entry	BEB Transport	No
4.	Ellund	Entry	DONG Energy	No
5.	Dragør	Entry	Svenska Kraftnät and Swedegas	No
6.	Nybro	Exit	DONG Energy	No
7.	Ellund	Exit	E.ON Gastransport	No
8.	Ellund	Exit	BEB Transport	No
9.	Ellund	Exit	DONG Energy	No
10.	Dragør	Exit	Svenska Kraftnät and Swedegas	No
TSO 7: GTS				

No.	Interconnector Name	Type: Entry or Exit	Connected TSO	Confidential
1.	Hilvarenbeek	Exit	Fluxys	Yes
2.	Zevenaar	Exit	EGT	Yes
3.	Zandvliet	Exit	Fluxys	Yes
4.	Oude Statenzijl (EWE-G)	Exit	EWE	Yes
5.	Obbicht	Exit	Fluxys	Yes
6.	Tegelen	Exit	EGT	Yes
7.	Dinxperlo	Exit	RWE	Yes
8.	Haanrade	Exit	RWE	Yes
9.	Vlieghuis	Exit	RWE	Yes
10.	Zandvliet	Exit	Fluxys	Yes
11.	Oude Statenzijl (D-gas-H)	Entry and Exit	D-Gas	Yes
12.	Emden	Entry	Gassco	No
13.	Julianadorp (BBL)	Exit	BBL	No
14.	Winterswijk	Exit	EGT	No
15.	Bocholtz	Exit	EGT	No
16.	s 'Gravenvoeren	Exit	Fluxys	No
17.	Oude Statenzijl (Ruhrgas-H)	Entry and Exit	EGT	No
18.	Oude Statenzijl (Wingas-H)	Entry and Exit	WINGAS TRANSPORT	No
19.	Oude Statenzijl (BEB-G)	Exit	BEB	No
20.	Oude Statenzijl (BEB-H)	Entry and Exit	BEB	No
21.	Zelzate	Entry	Fluxys	No
TSO 8: Fluxys				
1.	ZPT	Entry	Gassco	No
2.	IZT	Entry	Interconnector UK	No
3.	IZT	Exit	Interconnector UK	No
4.	Zelzate 1	Exit	GTS	No
5.	Zelzate 2	Exit	Zebra	No
6.	Eynatten 1	Entry	WINGAS TRANSPORT	No
7.	Eynatten 1	Exit	WINGAS TRANSPORT	no
8.	Eynatten 2	Entry	EON GasTransport / RWE	No

No.	Interconnector Name	Type: Entry or Exit	Connected TSO	Confidential
			Transportnetz	
9.	Eynatten 2	Exit	EON GasTransport / RWE Transportnetz	No
10.	Gravenvoeren + Dilsen	Entry	GTS	No
11.	Blaregnies SEGEO	Exit	GRTgaz	No
12.	Blaregnies TROLL	Exit	GRTgaz	No
13.	Loenhout Storage (Injection)	Exit	Fluxys	No
14.	Loenhout storage(Withdrawal)	Entry	Fluxys	No
15.	Poppel + Zandvliet L	Entry	GTS	Yes
16.	Blaregnies L	Exit	GRTgaz	Yes
17.	Veldwezelt (L-gas)	Entry	GTS	Yes
18.	Zandvliet H	Entry	GTS	Yes
19.	Momignies	Entry	GRTgaz	Yes
20.	Bras	Exit	Soteg	Yes
21.	Pétange	Exit	Soteg	Yes
22.	Zeebrugge LNG Terminal	Entry	Fluxys	Yes
23.	Dudzele Peak Shaving Plant	Entry	Fluxys	Yes
TSO 9: DEP				
1.	Ellund	Entry	Energinet.dk	No
2.	Ellund	Exit	Energinet.dk	No
TSO 10: BEB				
1.	Ellund (H-Gas)	Entry	Energinet.dk	No
2.	Emden - EPT1 (H-Gas)	Entry	Gassco AS	No
3.	Emden - NPT (H-Gas)	Entry	Gassco AS	No
4.	Oude Statenzijl (H-Gas)	Entry	GTS	No
5.	Ellund (H-Gas)	Exit	Energinet.dk	Yes
6.	Oude Statenzijl (H-Gas)	Exit	GTS	No
7.	Oude Statenzijl (L-Gas)	Entry	GTS	No
TSO 11: E.ON GT				
1.	Waidhaus	Entry	Transgas	No
2.	Bocholtz	Entry	Gas Transport Services	No
3.	Emden NPT	Entry	Gassco	No

No.	Interconnector Name	Type: Entry or Exit	Connected TSO	Confidential
4.	Dornum	Entry	Gassco	No
5.	Emden EPT	Entry	Gassco	No
6.	Oberkappel	Entry	OMV	No
7.	Ellund	Entry	Energinet.dk	No
8.	Wallbach	Entry	Transitgas	No
9.	Eynatten/Raeren	Entry	Fluxys	No
10.	Oude Stanzijl	Entry	Gas Transport Services	No
11.	Medelsheim	Entry	GRTgaz	No
12.	Oude Stanzijl 2	Entry	Gas Transport Services	No
13.	Wallbach	Exit	Transitgas	No
14.	Eynatten/Raeren	Exit	Fluxys	No
15.	OudeStanzijl	Exit	Gas Transport Services	No
16.	Medelsheim	Exit	GRTgaz	No
17.	Ellund	Exit	Energinet.dk	No
18.	Bocholtz	Exit	Gas Transport Services	No
19.	Emden NPT	Exit	Gassco	No
20.	Emden EPT	Exit	Gassco	No
21.	Oberkappel	Exit	OMV	No
22.	Oude Stanzijl 2	Exit	Gas Transport Services	No
TSO 12: RWE TNG				
1.	Emden EPT	Entry	Gassco	Yes
2.	Emden NPT	Entry	Gassco	Yes
3.	Eynatten	Entry	Fluxys	No
4.	Zevenaar	Entry	Gas Transport Services	No
5.	Haanrade	Entry	Gas Transport Services	Yes
TSO 13: WINGAS TRANSPORT				
1.	Bunde	Entry	GTS	No
2.	Eynatten	Entry	Fluxys	No
3.	Mallnow	Entry	EuRoPol GAZ	Yes
4.	Olbernhau	Entry	RWE Transgas Net	Yes
5.	Überackern	Entry	OMV	Yes

No.	Interconnector Name	Type: Entry or Exit	Connected TSO	Confidential
6.	Bunde	Exit	GTS	Yes
7.	Eynatten	Exit	Fluxys	Yes
8.	Olberrhau	Exit	RWE Transgas Net	Yes
TSO 14: Ontras				
1.	Deutschneudorf	Entry	RWE Transgas Net	Yes
2.	Deutschneudorf	Exit	RWE Transgas Net	Yes
3.	Lasow	Exit	GAZ-SYSTEM	Yes
TSO 15: GdF DT				
1.	Oberkappel	Entry	BOG	No
2.	Oberkappel	Exit	BOG	No
3.	Waidhaus	Entry	RWE Transgas Net	No
4.	Medelsheim	Entry	GRTGaz	No
5.	Medelsheim	Exit	GRTGaz	No
TSO 16: GRTgaz				
1.	Dunkerque	Entry	Gassco	No
2.	Taisnières L	Entry	Fluxys	No
3.	Taisnières H	Entry	Fluxys	No
4.	Taisnières H	Exit	Fluxys	No
5.	Obergailbach	Entry	Gaz de France Deutschland + E On Gastransport	No
6.	Obergailbach	Exit	Gaz de France Deutschland + E On Gastransport	No
7.	Oltingue	Exit	ENI CH gas and power + Swissgas	No
8.	Oltingue	Entry	ENI CH gas and power + Swissgas	No
9.	Montoir de Bretagne (LNG)	Entry	Gaz de France	No

Annex 4 – TSO websites links

TSO: Interconnector (UK) Limited		
Data Type	Link	Date to be published
(C1) Max technical capacity	http://www.interconnector.com/Commercial/primarycap.htm	Published
(C2) Probability of interruption	<p>Planned maintenance information: http://www.interconnector.com/onlineservices/shutdowndates.htm Unplanned interruption information (press and news updates): http://www.interconnector.com/mediacentre/pressreleases.htm http://www.interconnector.com/index.html *Have not had unplanned interruption since 2005</p>	Published
(C3) Daily commercial firm and interruptible capacity	<p>http://www.interconnector.com/Commercial/primarycap.htm The footnote provides an indication of the interruptible capacity that will likely be available on any given day. As interruptible capacity is typically sold on a day ahead basis, dynamic information regarding the availability of interruptible capacity is provided via ISIS: http://www.interconnector.com/faqs.htm</p>	Published
(F1) Daily flow/aggregated information	http://www.interconnector.com/iuk/onlinepage	Published
(F3) Daily aggregate day ahead nominations	http://www.interconnector.com/iuk/onlinepage	Published
(F4) Historic gas flow database	http://www.interconnector.com/onlineservices/historicflows.htm	Published

TSO: National Grid		
Data Type	Link	Date to be published
(C1) Max technical capacity	<p>http://www.nationalgrid.com/uk/Gas/TYS/</p> <p>Click on “Ten Year Statement 2007 Charts” and then “Download the article here” Information on peak forecasts for entry exit point is available in “annex 2” of the spreadsheet (via “menu” tab)</p> <p>http://www.nationalgrid.com/NR/rdonlyres/ABA258D7-17D2-4357-BCF7-C9C492201806/22104/TYS_2007Charts.xls</p> <p>Or</p> <p>http://www.nationalgrid.com/uk/gas/data/cmr</p> <p>Click on “Long Term Entry Capacity Summary Report - Download excel spreadsheet”</p> <p>http://www.nationalgrid.com/NR/rdonlyres/4A5BC67E-65A1-4EC8-BFB8-8CCCBABE5131/26740/AggregatecapacitySoldbyASEP_summary010708.xls</p>	Published
(C2) Probability of interruption	<p>http://www.nationalgrid.com/NR/rdonlyres/4DD86869-3D51-42F2-9905-A35D4452AE0E/18874/Summer2007FinalMaintenanceProgrammeV43rdAug2007.pdf</p> <p>http://www.nationalgrid.com/NR/rdonlyres/A7CD68A5-DBB0-4822-</p>	Published

	ABF5-0EEFCDAC7C4C/20423/SummerMaintenance2008SeptemberUpdate.pdf http://www.nationalgrid.com/uk/Gas/Data/EDR/After/NTSEntryEndofDayFlow.htm	
(C3) Daily commercial firm and interruptible capacity	http://www.nationalgrid.com/uk/gas/Data/CMR http://www.nationalgrid.com/uk/Gas/Data/CDR/ http://www.nationalgrid.com/uk/Gas/Data/capacity/	Published
(F1) Daily flow/aggregated information	http://www.nationalgrid.com/uk/Gas/Data/EFD/ http://www.nationalgrid.com/uk/Gas/Data/EDR/After/NTSEntryEndofDayFlow.htm http://www.nationalgrid.com/uk/Gas/Data/CDR/After/CONH.htm	Published
(F3) Daily aggregate day ahead nominations		December 2008
(F4) Historic gas flow database	http://www.nationalgrid.com/uk/Gas/Data/misc/ http://www.nationalgrid.com/uk/Gas/Data/EDR/After/NTSEntryEndofDayFlow.htm	Published

TSO: Energinet.dk		
Data Type	Link	Date to be published
(C1) Max technical capacity	https://selvbetjening.energinet.dk/en/menu/Frontpage.htm	Published
(C2) Probability of interruption	Energinet.dk stated that most of the data required in the GRI NW Transparency project will be published as part of the development of its online booking system. This system was initially due to be completed on 4 March 2008. However, the IT project has since experienced delays and will be implemented in phases.	September 2008
(C3) Daily commercial firm and interruptible capacity	https://selvbetjening.energinet.dk/en/menu/Frontpage.htm	Published
(F1) Daily flow/aggregated information	See (C2)	December 2008
(F3) Daily aggregate day ahead nominations		No Answer
(F4) Historic gas flow database	http://www.energinet.dk/en/menu/Market/Trading/Gas+-Transmission+capacity/Gas+-+Transmission+capacity.htm?&MSHiC=65001&L=10&W=CAPACITY%20capacities%20&Pre=%3CFONT%20STYLE%3D%22color%3A%20%23000000%3B%20background-color%3A%20%23FFFF00%22%3E&Post=%3C/FONT%3E	Published

TSO: Dong Energy Pipelines		
Data Type	Link	Date to be published
(C1) Max technical capacity	http://www.dongenergy-pipelines.de/en/capacities/Pages/Free%20capacities.aspx http://www.dongenergy-pipelines.de/SiteCollectionDocuments/PDF_filer/Overview_Capacities.pdf	Published
(C2) Probability of interruption		October 2008
(C3) Daily commercial firm and interruptible capacity	http://www.dongenergy-pipelines.de/en/capacities/Pages/Free%20capacities.aspx http://www.dongenergy-pipelines.de/SiteCollectionDocuments/PDF_filer/Overview_Capacities.pdf Registered users can also log in into the online booking system. The website http://www.dongenergy-pipelines.de/en/online%20booking/Pages/index.aspx provides a link to the website of the cooperation platform www.marktgebiete.com by use of the password the customer can log in and check available capacities and tariffs.	Published
(F1) Daily flow/aggregated information	http://www.dongenergy-pipelines.de/en/capacities/Pages/Allocated_hourly_flows.aspx	Published
(F3) Daily aggregate day ahead nominations		October 2008
(F4) Historic gas flow database	http://www.dongenergy-pipelines.de/de/kapazitaeten/Historische%20Lastfluesse/Pages/Historisch_eLastfluesse.aspx	Published

TSO: Ontras		
Data Type	Link	Date to be published
(C1) Max technical capacity	www.marktgebiete.com/h-gas (Indicative value for max technical capacity available when "less than three shipper rule" does not apply) To access follow links: Market area information, Interactive Network Map, Select Network Point – click on details tab at bottom right hand side of page	n.a.
(C2) Probability of interruption		n.a.
(C3) Daily commercial firm and interruptible capacity	www.marktgebiete.com/h-gas To access follow links: Market area information, Interactive Network Map, Select Network Point – click on details tab at bottom right hand side of page	Published
(F1) Daily flow/aggregated information		n.a.
(F3) Daily aggregate day ahead	www.ontras.com/portal/servlet/OpenPortal (provided on confidential basis to shippers – Login → Kundencenter → Abrechnungsdaten → Angebote/Daten)	Published

nominations		
(F4) Historic gas flow database		n.a.

TSO: RWE Transportnetz Gas		
Data Type	Link	Date to be published
(C1) Max technical capacity	http://www.rwetransportnetzgas.com/generator.aspx/homepage/netzzugang/netzinformation/language=de/id=195172/page.html http://www.rwetransportnetzgas.com/generator.aspx/homepage/netzzugang/netzinformation/language=en/id=195172/page.html To access select an entry- or exitpoint, click on "weitere informationen" tab at bottom of page. In the new window click on "kapazitäten" (Information available in German)	Published
(C2) Probability of interruption		December 2008
(C3) Daily commercial firm and interruptible capacity		September 2008
(F1) Daily flow/aggregated information		September 2008
(F3) Daily aggregate day ahead nominations		September 2008
(F4) Historic gas flow database		September 2008

TSO: GRTgaz		
Data Type	Link	Date to be published
(C1) Max technical capacity	http://www.grtgaz.com/fileadmin/user_upload/Acheminement/Documents/FR/acheminement_capacites-reservation-court-long-terme.xls Excel file indicating the capacity of each IP (short and long term). The way capacities are calculated is explained in the Ten-year development statement of GRTgaz for 2008-2017: http://www.grtgaz.com/fileadmin/user_upload/Institutionnel/Documents/EN/projets-etude10ans_en.pdf	Published
(C2) Probability of interruption	http://www.grtgaz.com/fileadmin/user_upload/Acheminement/Documents/EN/acheminement_capacites-interruptibles-en.pdf and http://www.grtgaz.com/en/home/transmission/engineering-work-schedules/ Document (pdf) on the availability of interruptible capacity + csv file on maintenance schedule	Published
(C3) Daily commercial firm	http://www.grtgaz.com/fileadmin/user_upload/Acheminement/Docume	Published

and interruptible capacity	nts/FR/acheminement_capacites-reservation-court-long-terme.xls (and private website ECT) Excel file indicating the firm and interruptible capacity of all IPs (short and long term, updated minimum three times a month to be consistent with the open subscription periods) + click and book system on GRTgaz' private website (ECT) for daily available capacity	
(F1) Daily flow/aggregated information	http://www.grtgaz.com/module-chiffres/index.php and http://www.grtgaz.com/fileadmin/user_upload/Acheminement/Documents/EN/acheminement_capacites-interruptibles-en.pdf Available on the GRTgaz' key figures area + in the pdf document about the availability of the interruptible capacity	Published
(F3) Daily aggregate day ahead nominations	Implementation not possible before 2009. This year, within the consultation process on the evolution of the balancing system, GRTgaz will have discussions with the shippers who did not agree with such a publication in 2007. We will present the benefits of such a publication and we will propose a format, hoping to reach an agreement.	2009
(F4) Historic gas flow database	http://www.grtgaz.com/module-chiffres/index.php Available on the GRTgaz' key figures area, downloadable in xls or csv files	Published

TSO: Fluxys		
Data Type	Link	Date to be published
(C1) Max technical capacity	Web-link = www.fluxys.be/Index_Transport.htm (then click on Indicative available capacities in the right column and open the table with Technical Maximum capacities at the interconnection points)	Published
(C2) Probability of interruption		September 2008
(C3) Daily commercial firm and interruptible capacity	Weblink = www.fluxys.be/Index_Transport.htm (then click on Indicative available capacities in the right column and open the table with Indicative capacities at the entry points)	Published (?)
(F1) Daily flow/aggregated information	Fluxys is currently not publishing the information with a daily update, the flows are published with a monthly update in a manual process and therefore the link is explained in the section of Historic gas flow database.	Published (?)
(F3) Daily aggregate day ahead nominations		September 2008
(F4) Historic gas flow database	Weblink = www.fluxys.be/Index_Transport.htm (then click on Historic Flow Data in the right column and open the table for each Gas Year)	Published

TSO: BGE		
Data Type	Link	Date to be published
(C1) Max technical	http://web2.bgegtms.ie	Published

capacity	Click on "daily Capacities" on the left hand side of the page	
(C2) Probability of interruption		September 2008
(C3) Daily commercial firm and interruptible capacity	http://web2.bgegtms.ie Click on "Daily Capacities" on the left hand side of the page	Published
(F1) Daily flow/aggregated information		September 2008
(F3) Daily aggregate day ahead nominations		September 2008
(F4) Historic gas flow database		September 2008

TSO: GdF DT		
Data Type	Link	Date to be published
(C1) Max technical capacity	http://www.gazdefrance-transport.de/content/kundenbereich/kapazitaetsinformationen/verfuegkapazitaeten/kapazitaetsuebersicht/index_neu_uk.php	Published
(C2) Probability of interruption	Maintenance schedules: http://www.gazdefrance-transport.de/content/kundenbereich/kapazitaetsinformationen/verfuegkapazitaeten/kapazitaetsuebersicht/index_neu_uk.php http://www.gazdefrance-transport.de/content/kundenbereich/kapazitaetsinformationen/lastfluss_e/lfpag_uk.php?input_num=3&input_monat=06&input_jahr=2007&Submit=Go http://www.gazdefrance-transport.de/content/kundenbereich/kapazitaetsinformationen/instandhaltung/index_uk.php	Published
(C3) Daily commercial firm and interruptible capacity	http://www.gazdefrance-transport.de/content/kundenbereich/kapazitaetsinformationen/verfuegkapazitaeten/kapazitaetsuebersicht/index_uk.php	Published
(F1) Daily flow/aggregated information	http://www.gazdefrance-transport.de/content/kundenbereich/kapazitaetsinformationen/lastfluss_e/lfpag_uk.php	Published
(F3) Daily aggregate day ahead nominations		No answer
(F4) Historic gas flow database	http://www.gazdefrance-transport.de/content/kundenbereich/kapazitaetsinformationen/lastfluss_e/lfpag_uk.php	Published

TSO: GTS		
Data Type	Link	Date to be published
(C1) Max technical capacity	Border Points: http://www.gastransportservices.com/shippers/transport/570060/ Domestic entry points http://www.gastransportservices.com/shippers/transport/518189/ Online availability checks and booking for all entry and exit points via OTIS (for registered users): http://www.gastransportservices.com/shippers/online/	Published
(C2) Probability of interruption	"GTS offers two different types of interruptible capacity to shippers (2.5% and 10%). Next to user specific data (see row 26), GTS provides for border points* the aggregated allocations and interruptions per network point. Aggregated allocations are given separately for entry, exit, backhaul, firm and interruptible. Non-fiscal data (user specific): https://otis.gastransportservices.nl/nimbus-im/ (requires login) "Fiscal data (user specific): https://otis.gastransportservices.nl/dialog/ (requires login) "border points*": http://www.gastransportservices.com/shippers/transport/570060/	Published
(C3) Daily commercial firm and interruptible capacity	Border points (booked and available capacities plus other information): http://www.gastransportservices.com/shippers/transport/570060/ Domestic entry points (available capacities): http://www.gastransportservices.com/shippers/transport/518189/ Capacity monitor (general indication of scarcity): http://www.gastransportservices.com/shippers/transport/561907/	Published
(F1) Daily flow/aggregated information	"Next to user specific data (see row 26), GTS provides for border points* the aggregated allocations and interruptions per network point. Aggregated allocations are given separately for entry, exit, backhaul, firm and interruptible. Nonfiscal data (user specific): https://otis.gastransportservices.nl/nimbus-im/ (requires login) Fiscal data (user specific): https://otis.gastransportservices.nl/dialog/ (requires login) border points*: http://www.gastransportservices.com/shippers/transport/570060/ http://www.gastransportservices.com/shippers/transport/570067/	Published
(F3) Daily aggregate day ahead nominations	GTS provides aggregate day ahead nominations at 15:00h and 22:00h http://www.gastransportservices.com/shippers/transport/570067/	Published
(F4) Historic gas flow database	"Next to user specific data (see row 26), GTS provides for border points* the aggregated allocations and interruptions per network point. Aggregated allocations are given separately for entry, exit, backhaul, firm and interruptible. Nonfiscal data (user specific): https://otis.gastransportservices.nl/nimbus-im/ (requires login) "Fiscal data (user specific): https://otis.gastransportservices.nl/dialog/ (requires login) "border points*": http://www.gastransportservices.com/shippers/transport/570060/ http://www.gastransportservices.com/shippers/transport/570067/	Published

TSO: BEB		
Data Type	Link	Date to be published
(C1) Max technical capacity	http://www.gasunie.de/ under capacity management click on transportation capacity, the PDF download provides information on available capacities and max technical capacity	Published
(C2) Probability of interruption		September 2008
(C3) Daily commercial firm and interruptible capacity	http://www.gasunie.de/ under capacity management click on transportation capacity, the PDF download provides information on available capacities and max technical capacity	Published
(F1) Daily flow/aggregated information	http://www.gasunie.de/ Under capacity management click on network utilisation	Published
(F3) Daily aggregate day ahead nominations		September 2008
(F4) Historic gas flow database	http://www.gasunie.de/ Under capacity management click on network utilisation	Published

*as of 1st of July 2008 Dutch Gasunie has taken over the gas network and the transport business division from BEB Transport und Speicher Service GmbH. This has resulted in significant website alterations.

TSO: WINGAS TRANSPORT		
Data Type	Link	Date to be published
(C1) Max technical capacity	http://wtkg.de/entgeltrechner/entgelt_en.html Select interconnection point on the interactive map	Published
(C2) Probability of interruption		No answer
(C3) Daily commercial firm and interruptible capacity	http://wtkg.de/entgeltrechner/entgelt_en.html Select interconnection point on the interactive map	Published
(F1) Daily flow/aggregated information		December 2008
(F3) Daily aggregate day ahead nominations		December 2008
(F4) Historic gas flow database	http://www.wingas-transport.de/ http://www.wingas-transport.de/1.html?&L=1 On the "grid information" drop down tab at the top of the page select "history data"	Published

TSO: E.ON Gastransport		
Data Type	Link	Date to be published
(C1) Max technical capacity	http://www.eon-gastransport.com/cps/rde/xchg/SID-3F57EEF5-B59D5038/eon-gastransport/hs.xsl/3025.htm	Published
(C2) Probability of interruption	http://www.eon-gastransport.com/cps/rde/xchg/SID-3F57EEF5-B59D5038/eon-gastransport/hs.xsl/2461.htm	Published
(C3) Daily commercial firm and interruptible capacity	http://www.eon-gastransport.com/cps/rde/xchg/SID-3F57EEF5-B59D5038/eon-gastransport/hs.xsl/3025.htm	Published
(F1) Daily flow/aggregated information	http://transparency.eon-gastransport.com/Reports/TransparencyReport.aspx?Kultur=en-GB	Published
(F3) Daily aggregate day ahead nominations	http://transparency.eon-gastransport.com/Reports/TransparencyReport.aspx?Kultur=en-GB	Published
(F4) Historic gas flow database	http://transparency.eon-gastransport.com/Reports/TransparencyReport.aspx?Kultur=en-GB	Published

TSO: Svenska Kraftnät		
Data Type	Link	Date to be published
(C1) Max technical capacity		n.a
(C2) Probability of interruption		n.a
(C3) Daily commercial firm and interruptible capacity		n.a
(F1) Daily flow/aggregated information		n.a
(F3) Daily aggregate day ahead nominations		December 2008
(F4) Historic gas flow database		n.a

TSO: Swedegas		
Data Type	Link	Date to be published
(C1) Max technical capacity		September 2008*
(C2) Probability		September 2008*

of interruption		
(C3) Daily commercial firm and interruptible capacity		September 2008*
(F1) Daily flow/aggregated information		September 2008*
(F3) Daily aggregate day ahead nominations		n.a
(F4) Historic gas flow database		September 2008*

* Swedegas has postponed publication of data. As set out in Section 5, Swedegas are reliant on third parties operating upstream in the transmission chain for the provision of information on some data types.