

ACER



Agency for the Cooperation
of Energy Regulators

Transparency monitoring Compliance with requirements from Chapter 3, Annex I, of Regulation 715/2009

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Outline

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- Methodology
- Overview of results
 - Results per region
 - Preliminary findings
- Overall results from TSOs' self-assessment
- Feedback from stakeholders (NW region)
- Conclusions and next steps
- Annex – detailed results from the questionnaires

Background and scope of the inquiry

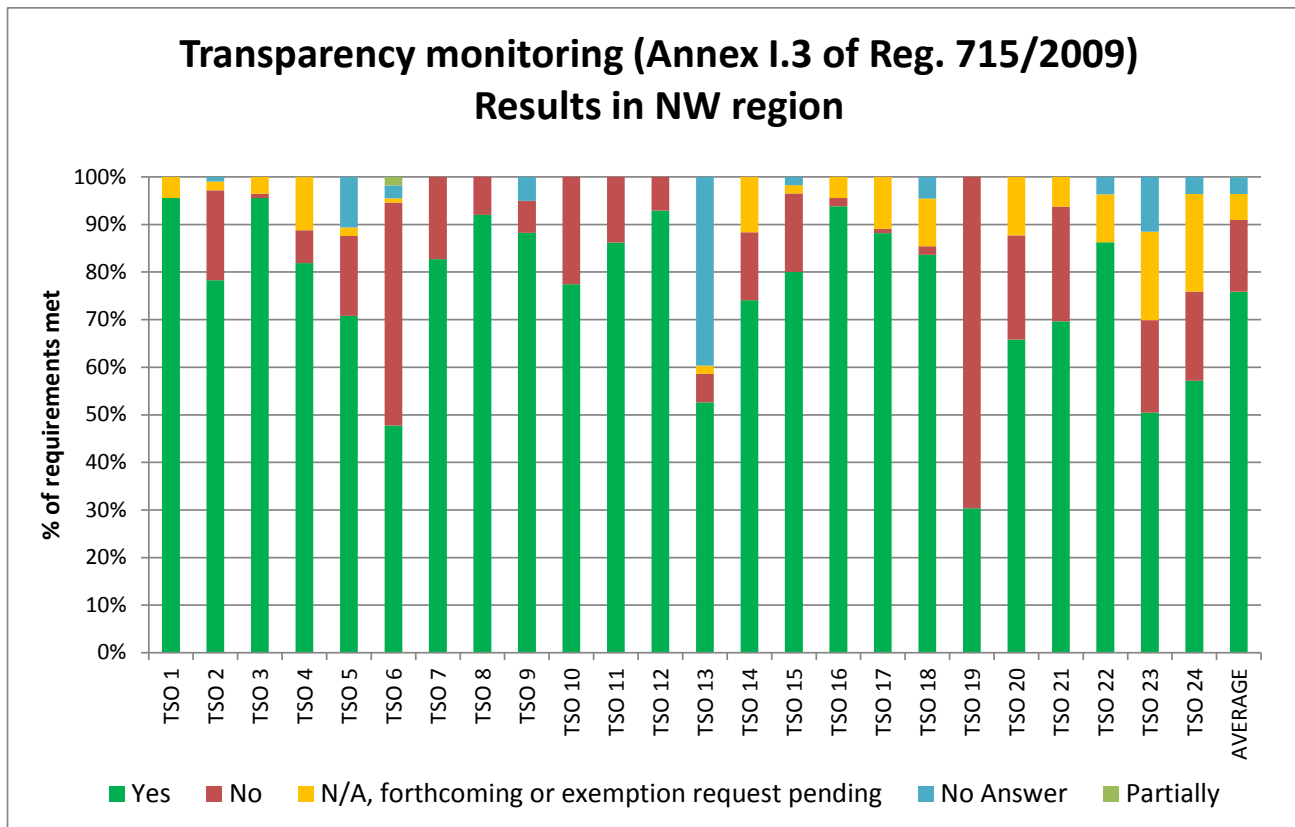
- In the 20th Madrid Forum, ACER announced its intention of monitoring the implementation of transparency rules pursuant to Chapter 3, Annex I of Regulation 715/2009
- ACER is now presenting the **preliminary results** of the analysis carried out in the last months:
 - » At regional level, in the framework of the Gas Regional initiatives, for the countries of the North-West and South regions
 - » On an individual basis for the remaining countries, by approaching the concerned NRAs and TSOs
- The inquiry covers 41 TSOs from 23 EU Member States
- Information not available for some countries in the SSE region
- In the South region, it has also been analysed the compliance of **LNG and storage** system operators with the transparency requirements in Regulation 715/2009 (articles 15, 19 and 20)

Methodology

- The following results are the outcome of the **self-assessment made by the TSOs**, by completing a **questionnaire** with a structure based on the list of the requirements of Chapter 3 in Annex I of Regulation (EC) No 715/2009
- The results were **checked by** the concerned **NRAs** in most cases
- The results in the North-West region have been submitted to **public consultation** among stakeholders between November 2011 and January 2012
- In the South region, the results are under public consultation during March 2012
- No consultation to stakeholders has been run in the remaining countries

NW region

Overview of results



Note:

No/red does not always imply non-compliance (e.g. information published by a third party)

NW region

Preliminary findings from TSOs self-assessment (1)

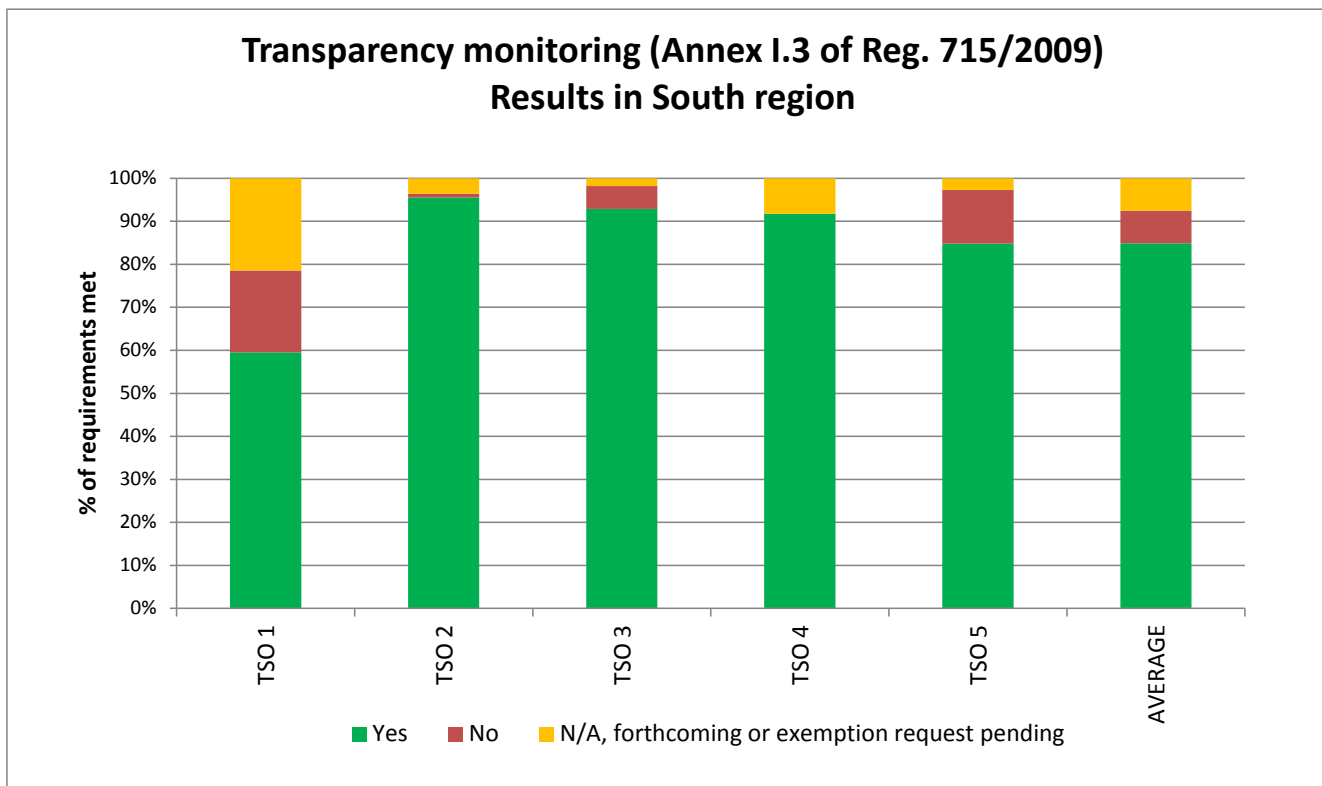
- **High degree of compliance**, in general, with Annex I.3 of Regulation (EC) No 715/2009, in particular in the case of information on:
 - ✓ Description of gas system and services offered
 - ✓ Network code – contracts, pressure requirements, interruption procedure
 - ✓ Provisions on CAM, CMP anti-hoarding and reutilisation
 - ✓ Nomination and matching procedures
 - ✓ Balancing rules and imbalance charges
 - ✓ Rules for connection to TSOs' facilities
 - ✓ Procedures agreed by TSOs related to interoperability, nomination, balancing
 - ✓ General information on technical/booked-available/firm-interruptible capacity
 - ✓ User-friendly instruments for calculating tariffs
 - ✓ Provisions concerning the form of publication (easy access, user-friendliness, regular publication, downloadable and workable formats, notice of updates)
- On average, about **75%** of requirements met
- Five TSOs above 90%, 13 above 80%. Two below 50%

NW region

Preliminary findings from TSOs self-assessment (2)

- Some **room for improvement** on information about:
 - ✓ Flexibility and tolerance levels
 - ✓ Emergency mechanisms
 - ✓ Actual physical flows, planned and actual interruptions
 - ✓ Methodology, process and parameters for capacity calculation
 - ✓ Measured values of the gross calorific value or Wobbe index
 - ✓ Information about the secondary market (N/A in many cases)
 - ✓ Information in English in some cases
- And only **some TSOs** publish:
 - ✓ Aggregate information on capacities for end customers and production facilities
 - ✓ Historical information on capacities, nominations, interruptions, physical flows
 - ✓ Amount of gas at the beginning of the day and forecast for the end of the day
 - ✓ Imbalance position of users at the start and end of the day

South region Overview of results



Note:

No/red does not always imply non-compliance (e.g. information published by a third party)

South region

Preliminary findings from TSOs self-assessment (1)

- The TSOs self-assessment reveals, in general, a **high level of compliance** with Regulation (EC) No 715/2009, in particular in the case of information on:
 - ✓ Gas system description
 - ✓ Service description and contracting process
 - ✓ Applicable CAM and CMP
 - ✓ Nomination and matching procedures
 - ✓ Balancing rules and imbalance charges
 - ✓ Secondary markets
- On average, **85%** of requirements met
- Three of the five TSOs above 90%. The lowest, about 60%
- Some **room for improvement** on:
 - ✓ More clarity on services' prices
 - ✓ Flexibility and tolerances levels
 - ✓ Participation in secondary markets
 - ✓ Historical data
 - ✓ Form of publication (English, units, etc.)

South region

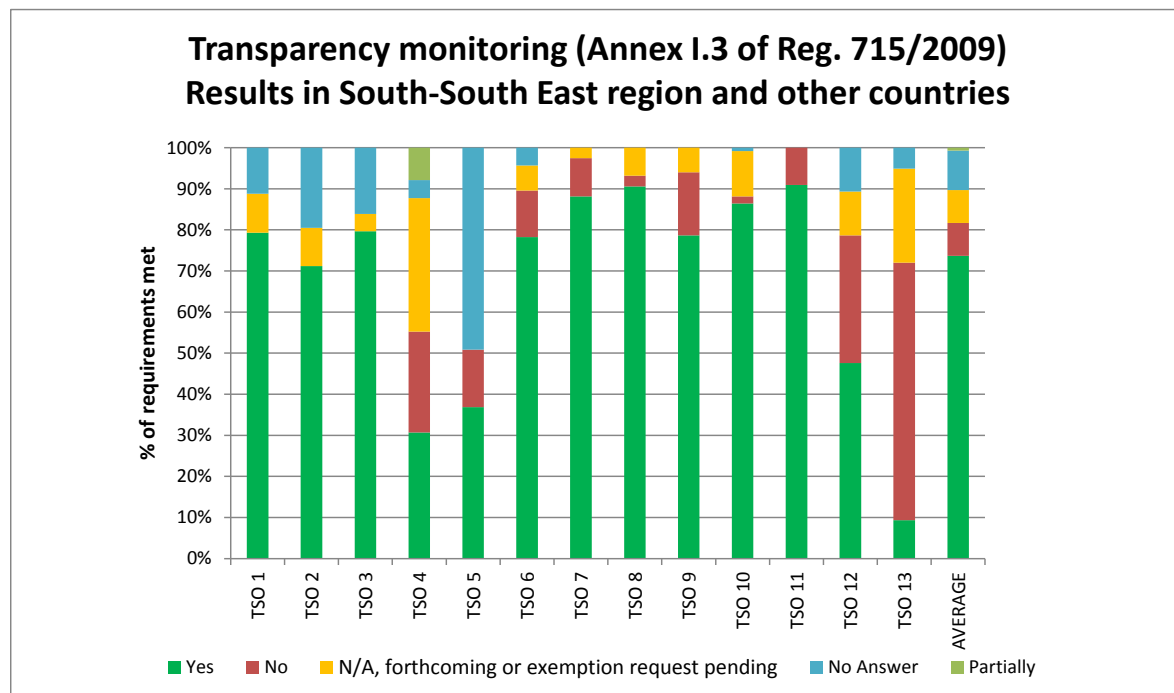
Preliminary findings from TSOs self-assessment (2)

- **Some** areas of non-compliance **are in the process of being implemented.**
- There are **some misunderstandings** among TSOs **about some transparency requirements** (i.e., requirements that are considered “not applicable”, information not directly published by the TSOs, but by third parties, etc.). These misunderstandings are easy to solve and this will improve the level of compliance.
- Some information is **not published directly by the TSOs** but by other market agents. This is easy to overcome with links in the TSO website.
- **Compliance with some obligations require the modification of national legislation.** This specifically refers to the need to publish data in units that use a combustion temperature of reference of 298,15 K. The change of reference temperature would have a considerable impact on other national processes (i.e., measurement processes, invoicing, etc.), so it must be analysed very carefully. The requirement has been complied with a conversion factor provided.

SSE region and other countries

Overview of results

- Countries covered in the analysis: Austria, Bulgaria, Czech Republic, Estonia, Greece, Hungary, Italy, Lithuania, Poland, Slovakia, Slovenia
- Questionnaires completed by TSOs, NRAs or directly by ACER
- Information requested but not obtained from the remaining countries



Note:

No/red does not always imply non-compliance (e.g. information published by a third party)

SSE region and other countries

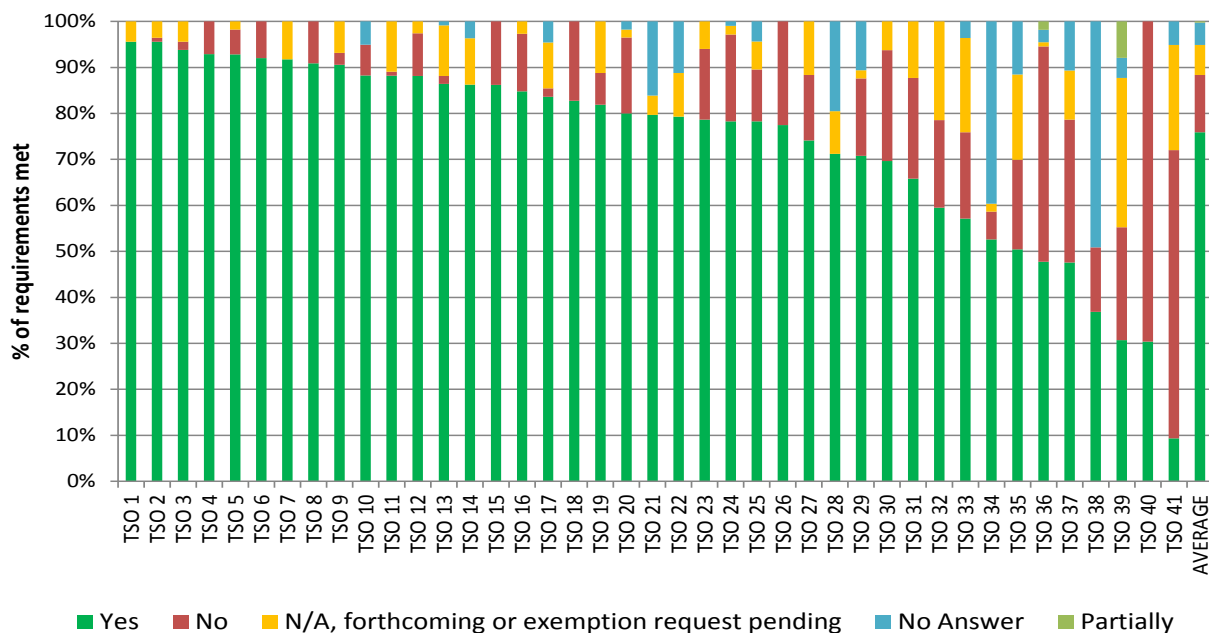
Preliminary findings

- Difficulties in getting responses from some NRAs/TSOs
- Different degree of market development and dissimilar stages in implementing EU legislation make the information very heterogeneous. In some countries, TSOs are not yet bound by the requirements (e.g. Estonia)
- In the countries and TSOs analysed, **fair level of compliance**: descriptive information about the system, services provided, system procedures and general data of technical and available-booked capacities
- Situation **to be improved** in relation to historical information, flexibility and tolerances, planned and actual interruptions, amounts of gas at start and end of the gas day
- On average **about 74%** of requirements met^(*)
- Two TSOs above 90%, four above 80%. Two below 50%^(*)

(*) Excluding the TSOs not bound by the transparency requirements from Regulation (EC) No 715/2009

Overall results from TSOs self-assessment

Transparency monitoring (Annex I.3 of Reg. 715/2009)
All EU countries analysed



- On average, about **76%** of requirements met^(*)
 - Nine TSOs above 90%, 20 above 80%. Four below 50%^(*)
- (*) Excluding the TSOs not bound by the transparency requirements from Regulation (EC) No 715/2009

Feedback from stakeholders - NW (1/2)

- Public consultation of results in NW region (Nov 2011-Jan 2012)
- Responses received from 11 stakeholders in the NW consultation

General comments

- » Remarkable efforts have been made by TSOs for complying with the requirements
- » There has been a significant improvement in the information provision by TSOs
- » Good example of integrated and user-friendly website: National Grid
- » Some stakeholders don't share the overall "green picture" in all cases
- » Some TSOs have updated and commented on their initial questionnaire

Quality, consistency, frequency and availability of the information

- » Despite the overall good compliance, a significant variety in the quality of information
- » Inconsistent data, format or organisation of data publication
- » Data often published in a non convenient workable format (only PDF)
- » The clarity of the information provided may be sometimes improved
- » Historical and future capacities, and actual flows are often missing or hard to find
- » Support to standardisation of information published (e.g. Transparency Platform)

Feedback from stakeholders - NW (2/2)

Accuracy of TSOs' responses

- » The questionnaires reflect the information available, but not always its quality
- » Responses not always accurate concerning detailed data and procedures. Absence of links to external websites, when the information is published by a third party

User-friendliness of information and free access

- » The degree of user-friendliness of the websites and platforms differs considerably
- » The large amount of data and sources entails a high load of research work for users, which may be a major hurdle for medium and small market players
- » The wide range of websites is inefficient and time-consuming for market users
- » Information free of charge, although in some cases registration is necessary

Availability close to real time

- » Requirement difficult to assess in some users' view
- » Only a few TSOs publish data close to real time
- » Insufficient frequency of data publication in some websites in France and Germany, compared to UK

Conclusions and next steps

- These are the results of the **self-assessment by the TSOs**. They need to be assessed and validated by stakeholders
- **Public consultation** finished in NW region, ongoing in the South and still to be carried out in the remaining countries
- The review shows **high level of compliance** in general in the **South and NW** regions, and improvement desirable in the remaining countries
- Recent **improvements** observed in some countries
- **Positive general assessment** by stakeholders, though **different perception** by some of them (not so “green picture” as TSOs declare it to be, areas for improvement)
- **NRAs/MS to take action** to enforce the compliance with these requirements

Full analysis covering all countries and presenting the results of consultations at the **next Madrid Forum**

Thank you for your attention!



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Annex

Detailed results from the questionnaires

Methodology – detailed description

- Excel questionnaires completed by TSOs and assessed by NRAs
- Summary tables with colours code (“traffic lights” tables) developed by NRAs and ACER to present an overview of results
- Colour code key:

	Yes
	No
	Not applicable, forthcoming or exemption request pending
	No answer

- The results are shown per country, and per TSO on an **anonymous basis** where possible
- A complementary **quantitative analysis** (% of compliance) is also presented
- No/red does not always imply non-compliance (e.g. information published by a third party)

Detailed results – NW region

SUMMARY TABLE (1)		BE	DK	FR	DE										GB	IE	LU	NI	NI	SE	NL	GB NL	GB BE			
		Country Code																								
Article of Annex 1 chapter 3 of Gas Regulation 715/2009	Transparency requirement	TSO 1	TSO 2	TSO 3	TSO 4	TSO 5	TSO 6	TSO 7	TSO 8	TSO 9	TSO 10	TSO 11	TSO 12	TSO 13	TSO 14	TSO 15	TSO 16	TSO 17	TSO 18	TSO 19	TSO 20	TSO 21	TSO 22	TSO 23	TSO 24	
3.1.1. Form of publication:																										
3.1.1.1.	Do you publish the information referred to under paragraph 3.1.2. in the following manner:																									
	(a) on a website accessible to the public, free of charge and without any need to register or otherwise sign on with the transmission system operator;																									
	(b) on a regular/rolling basis; the frequency shall be according to the changes that take place and the duration of the service;																									
	(c) in a user-friendly manner;																									
	(d) in a clear, quantifiable, easily accessible way and on a non-discriminatory basis;																									
	(e) in downloadable format that allows for quantitative analyses;																									
	(f) in consistent units, in particular kWh (with a combustion reference temperature of 298,15 K) shall be the unit for energy content and m ³ (at 273,15 K and 1,01325 bar) shall be the unit for volume. The constant conversion factor to energy content shall be provided. In addition to the format above, publication in other units is also possible;																									
	(g) In the official languages of the member State and																									
	(g) in English																									
3.1.1.2.	Do you provide details on actual changes to all information referred to under paragraph 3.1.2 in a timely manner as soon as available to you?																									
3.1.2 Content of publication																										
3.1.2.a)	Do you publish a detailed and comprehensive description of the different services offered and																									
	their charges?																									
3.1.2.b)	Do you publish the different types of transportation contracts available for these services?																									

Detailed results – NW region

SUMMARY TABLE (2)		BE	DK	FR	DE										GB	IE	LU	NI	NI	SE	NL	GB NL	GB BE			
		Country Code																								
Article of Annex 1 chapter 3 of Gas Regulation 715/2009	Transparency requirement	TSO 1	TSO 2	TSO 3	TSO 4	TSO 5	TSO 6	TSO 7	TSO 8	TSO 9	TSO 10	TSO 11	TSO 12	TSO 13	TSO 14	TSO 15	TSO 16	TSO 17	TSO 18	TSO 19	TSO 20	TSO 21	TSO 22	TSO 23	TSO 24	
3.1.2.c)	Do you publish the network code and/or the standard conditions outlining the rights and responsibilities of all network users including:																									
	1. Harmonised transportation contracts and other relevant documents;																									
	2. if relevant for access to the system, for all relevant points as defined in paragraph 3.2 of this Annex, a specification of relevant gas quality parameters, including at least the gross calorific value and the Wobbe index, and the liability or costs of conversion for network users in case gas is outside these specifications;																									
	3. if relevant for access to the system, for all relevant points information on pressure requirements;																									
	4. the procedure in the event of an interruption of interruptible capacity, including, where applicable, the timing, extent, and ranking of individual interruptions (for example pro-rata or first-come-last-interrupted);																									
3.1.2.d)	Do you publish the harmonised procedures applied when using the transmission system, including the definition of key terms?																									
3.1.2.e)	Do you publish provisions on																									
	1. capacity allocation,																									
	2. congestion management,																									
	3. anti-hoarding, and																									
3.1.2.g)	4. reutilisation procedures?																									
	Do you publish the rules applicable for capacity trade on the secondary market vis-à-vis the transmission system operator?																									
3.1.2.g)	Do you publish rules on balancing and methodology for the calculation of imbalance charges?																									

Detailed results – NW region

SUMMARY TABLE (3)		BE	DK	FR	DE										GB	IE	LU	NI	NI	SE	NL	GB NL	GB BE		
Country Code		TSO 1	TSO 2	TSO 3	TSO 4	TSO 5	TSO 6	TSO 7	TSO 8	TSO 9	TSO 10	TSO 11	TSO 12	TSO 13	TSO 14	TSO 15	TSO 16	TSO 17	TSO 18	TSO 19	TSO 20	TSO 21	TSO 22	TSO 23	TSO 24
Article of Annex 1 chapter 3 of Gas Regulation 715/2009	Transparency requirement																								
3.1.2.h)	If applicable, do you publish																								
	the flexibility and tolerance levels included in transportation and other services without separate charge, as well as																								
	any flexibility offered in addition to this and the corresponding charges																								
3.1.2.i)	Do you publish																								
	a detailed description of the gas system of the transmission system operator and its relevant points of interconnection as defined in paragraph 3.2 of this Annex, as well as																								
	the names of the operators of the interconnected systems or facilities?																								
3.1.2.j)	Do you publish the rules applicable for connection to the system operated by the transmission system operator?																								
3.1.2.k)	Do you publish information on emergency mechanisms, as far as it is the responsibility of the transmission system operator, such as measures that can lead to the disconnection of customers groups and other general liability rules that apply to the transmission system operator?																								
3.1.2.l)	Do you publish																								
	procedures agreed upon by transmission system operators at interconnection points, of relevance for access of network users to the transmission systems concerned, relating to interoperability of the network,																								
	agreed procedures on nomination and matching procedures and																								
	other agreed procedures that set out provisions in relation to gas flow allocations and balancing, including the methods used?																								
3.1.2.m)	Do you publish a detailed and comprehensive description of the methodology and process, including information on the parameters employed and the key assumptions, used to calculate the technical capacity?																								

Detailed results – NW region

SUMMARY TABLE (4)		BE	DK	FR	DE															GB	IE	LU	NI	SE	NL	GB NL	GB BE
		Country Code																									
Article of Annex 1 chapter 3 of Gas Regulation 715/2009	Transparency requirement	TSO 1	TSO 2	TSO 3	TSO 4	TSO 5	TSO 6	TSO 7	TSO 8	TSO 9	TSO 10	TSO 11	TSO 12	TSO 13	TSO 14	TSO 15	TSO 16	TSO 17	TSO 18	TSO 19	TSO 20	TSO 21	TSO 22	TSO 23	TSO 24		
3.3 Information to be published at all relevant points and the time schedule according to which this information should be published																											
3.3.1., 3.3.2. and 3.3.3.	Do you publish at all relevant points the following information for all services and ancillary services provided:																										
	(a) the technical capacity for flows in both directions;																										
	Is this information published on a numerically?																										
	Is this information in hourly or daily periods, equal to the smallest reference period?																										
	Is this information and updates published as soon as available to you ("near real time")?																										
	Is this information published for a period of at least 18 months ahead?																										
	Do you publish historical information on the technical capacity for flows in both directions for the past five years on a rolling basis?																										
	Is information for single final customers and for production facilities, that is excluded from the definition of relevant points as described under 3.2 (1)(a) published in aggregate format at least per balancing zone. The aggregation of single final customers and of production facilities, excluded from the definition of relevant points as described under 3.2 (1)(a), shall for the application of this annex be considered one relevant point.																										
	(b) the total contracted firm and interruptible capacity in both directions																										
	Is this information published on a numerical basis?																										
	Is this information in hourly or daily periods, equal to the smallest reference period?																										
	Is this information and updates published as soon as available to you ("near real time")?																										
	Is this information published for a period of at least 18 months ahead?																										
	Do you publish historical information on the total contracted firm and interruptible capacity for flows in both directions for the past five years on a rolling basis?																										
	(c) the nominations and re-nominations in both directions;																										
Is this information published on a numerical basis?																											

Detailed results – NW region

SUMMARY TABLE (5)		Country Code																							
Article of Annex 1 chapter 3 of Gas Regulation 715/2009	Transparency requirement	BE	DK	FR	DE											GB	IE	LU	NI	NI	SE	NL	GB NL	GB BE	
		TSO 1	TSO 2	TSO 3	TSO 4	TSO 5	TSO 6	TSO 7	TSO 8	TSO 9	TSO 10	TSO 11	TSO 12	TSO 13	TSO 14	TSO 15	TSO 16	TSO 17	TSO 18	TSO 19	TSO 20	TSO 21	TSO 22	TSO 23	TSO 24
3.3.1., 3.3.2. and 3.3.3.	Is this information in hourly or daily periods, equal to the smallest reference period?																								
	Is this information and updates published as soon as available to you ("near real time")?																								
	Do you publish historical information on the nominations and re-nominations in both directions for the past five years on a rolling basis?																								
	(d) the available firm and interruptible capacity in both directions:																								
	Is this information published on a numerical basis?																								
	Is this information in hourly or daily periods, equal to the smallest reference period?																								
	Is this information and updates published as soon as available to you ("near real time")?																								
	Is this information published for a period of at least 18 months ahead?																								
	Do you publish historical information on the available firm and interruptible capacity in both directions for the past five years on a rolling basis?																								
	(e) actual physical flows:																								
	Is this information published on a numerical basis?																								
	Is this information in hourly or daily periods, equal to the smallest reference period?																								
	Is this information and updates published as soon as available to you ("near real time")?																								
	Do you publish historical information on actual physical flows for the past five years on a rolling basis?																								
	(f) planned and actual interruption of interruptible capacity:																								
	Is this information published on a numerical basis?																								
	Is this information in hourly or daily periods, equal to the smallest reference period?																								
	Is this information and updates published as soon as available to you ("near real time")?																								
	Do you publish historical information on planned and actual interruptions of interruptible capacity for the past five years on a rolling basis?																								
	(g) planned and unplanned interruptions to firm services as well as the information on restoration of the firm services (eg, maintenance of system and duration of any interruption due to maintenance).																								

Detailed results – NW region

SUMMARY TABLE (6)		BE	DK	FR	DE										GB	IE	LU	NI	NI	SE	NL	GB NL	GB BE		
Country Code																									
Article of Annex 1 chapter 3 of Gas Regulation 715/2009	Transparency requirement	TSO 1	TSO 2	TSO 3	TSO 4	TSO 5	TSO 6	TSO 7	TSO 8	TSO 9	TSO 10	TSO 11	TSO 12	TSO 13	TSO 14	TSO 15	TSO 16	TSO 17	TSO 18	TSO 19	TSO 20	TSO 21	TSO 22	TSO 23	TSO 24
3.3.1., 3.3.2. and 3.3.3.	Do you publish planned interruptions at least 42 days in advance?	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Yellow	Green	Yellow	Yellow	Green	Green	Green	Green
	Is this information and updates published as soon as available to you ("near real time")?	Green	Green	Green	Green	Green	Green	Red	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Yellow	Green	Yellow	Yellow	Green	Green	Green
	Do you publish historical information on planned and unplanned interruptions for the past five years on a rolling basis?	Green	Red	Green	Green	Red	Red	Red	Green	Yellow	Green	Red	Green	Green	Yellow	Red	Green	Green	Yellow	Red	Yellow	Yellow	Red	Red	Red
3.3.4.	Do you publish measured values of the gross calorific value or the Wobbe index at all relevant points, on a daily basis?	Green	Green	Green	Green	Red	Red	Green	Red	Green	Green	Green	Green	White	Green	Green	Green	Green	Red	Green	Yellow	Yellow	Red	Yellow	Green
	Do you publish preliminary figures at the latest 3 days following the respective gas day?	Green	Yellow	Green	Green	Red	Red	Green	Red	Green	Red	Green	Green	Green	Green	Green	Green	Green	Red	Green	Yellow	Yellow	Red	Green	Green
	Do you publish final figures within 3 months after the end of the respective month?	Green	Green	Green	Green	Red	Red	Green	Red	Red	Green	Green	Green	Green	Green	Green	Green	Green	Red	Green	Yellow	Yellow	Green	Green	Green
3.3.5.	Do you publish for all relevant points, available capacities, booked and technical capacities, on an annual basis	Green	Green	Green	Green	Red	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Red	Green	Green	Green	Green	Yellow	Green
	over all years where capacity is contracted plus 1 year, and	Green	Green	Green	Green	Red	Green	Green	Green	Green	Green	Green	Green	Green	White	Red	Green	Green	Red	Green	Yellow	Yellow	Green	Green	Green
	at least for the next 10 years.	Green	Green	Green	Green	Red	Green	Red	Green	Green	Green	Green	Green	Green	Red	Green	Green	Green	Red	Green	Yellow	Yellow	Green	Green	Green
	Is this information updated at least every month or more frequently, if new information becomes available?	Green	Red	Green	Green	Red	Green	Green	Green	Green	Green	Green	Green	Green	Red	Green	Green	Green	Red	Green	Yellow	Yellow	Green	Green	Green
Does the publication reflect the period for which capacity is offered to the market?	Green	Green	Green	Green	Red	Green	Green	Green	Green	Green	Red	Green	Green	White	Green	Green	Green	Red	Green	Green	Green	Green	Green	Green	

Detailed results – NW region

SUMMARY TABLE (7)		Country Code																									
		BE	DK	FR	DE																GB	IE	LU	NI	NI	SE	NL
Article of Annex 1 chapter 3 of Gas Regulation 715/2009	Transparency requirement	TSO 1	TSO 2	TSO 3	TSO 4	TSO 5	TSO 6	TSO 7	TSO 8	TSO 9	TSO 10	TSO 11	TSO 12	TSO 13	TSO 14	TSO 15	TSO 16	TSO 17	TSO 18	TSO 19	TSO 20	TSO 21	TSO 22	TSO 23	TSO 24		
3.1.1.1.	Do you publish the information referred to under paragraph 3.3(1) to 3.3(5) in the following manner:																										
	(a) on a website accessible to the public, free of charge and without any need to register or otherwise sign on with the transmission system operator;																										
	(b) on a regular/rolling basis; the frequency shall be according to the changes that take place and the duration of the service;																										
	(c) in a user-friendly manner;																										
	(d) in a clear, quantifiable, easily accessible way and on a non-discriminatory basis;																										
	(e) in downloadable format that allows for quantitative analyses;																										
	(f) in consistent units, in particular kWh (with a combustion reference temperature of 298,15 K) shall be the unit for energy content and m ³ (at 273,15 K and 1,01325 bar) shall be the unit for volume. The constant conversion factor to energy content shall be provided. In addition to the format above, publication in other units is also possible;																										
	(g) in the official languages of the member State and																										
	(g) in English																										
Do you provide details on actual changes to all information referred to under paragraph 3.3(1) to 3.3(5) in a timely manner as soon as available to you?																											

Detailed results – NW region

SUMMARY TABLE (8)		BE	DK	FR	DE																GB	IE	LU	NI	NI	SE	NL	GB NL	GB BE
		<i>Country Code</i>																											
Article of Annex 1 chapter 3 of Gas Regulation 715/2009	Transparency requirement	TSO 1	TSO 2	TSO 3	TSO 4	TSO 5	TSO 6	TSO 7	TSO 8	TSO 9	TSO 10	TSO 11	TSO 12	TSO 13	TSO 14	TSO 15	TSO 16	TSO 17	TSO 18	TSO 19	TSO 20	TSO 21	TSO 22	TSO 23	TSO 24				
3.4 Information to be published regarding the transmission system and the time schedule according to which this information should be published																													
3.4.1.	Do you publish on a daily basis and updated every day the following specifications re. the aggregated amounts of capacities offered, and contracted on the secondary market (i.e. sold from one network user to another network user), where the information is available to you:																												
	(a) interconnection point where the capacity is sold;																												
	(b) type of capacity, i.e. entry, exit, firm, interruptible;																												
	(c) quantity and duration of the capacity usage rights;																												
	(d) type of sale, e.g. transfer or assignment;																												
	(e) the total number of trades/transfers;																												
	(f) any other conditions known to the transmission system operator as mentioned in 3.3.																												
Is this information provided by a third party?																													
3.4.2.	Do you publish the following specifications re. harmonised conditions under which capacity transactions (e.g. transfers and assignments) will be accepted:																												
	(a) a description of standardised products which can be sold on the secondary market;																												
	(b) lead time for the implementation/acceptation/registration of secondary trades. In case of delays the reasons have to be published;																												
	(c) the notification to the transmission system operator by the seller or the third party as referred to under 3.4(1) about name of seller and buyer and capacity specifications as outlined in 3.4(1).																												
	Is this information provided by a third party?																												

Detailed results – NW region

SUMMARY TABLE (9)		Country Code																								
		BE	DK	FR	DE											GB	IE	LU	NI	NI	SE	NL	GB NL	GB BE		
Article of Annex 1 chapter 3 of Gas Regulation 715/2009	Transparency requirement	TSO 1	TSO 2	TSO 3	TSO 4	TSO 5	TSO 6	TSO 7	TSO 8	TSO 9	TSO 10	TSO 11	TSO 12	TSO 13	TSO 14	TSO 15	TSO 16	TSO 17	TSO 18	TSO 19	TSO 20	TSO 21	TSO 22	TSO 23	TSO 24	
3.4.3.	Regarding the balancing service of your system, do you provide to each network user, for each balancing period, its specific preliminary imbalance volumes and cost data per individual network user, at the latest 1 month after the end of the balancing period?	Green	White	Green	Red	Green	Red	Green	Red	Green	Red	Green	Red	Green	Red	Green	Red	Green	Green	Green	Green	Green	Green	Green	Yellow	Yellow
	Do you provide final data of customers supplied according to standardised load profiles within 14 months later?	Green	Green	Green	Yellow	Red	Red	Green	Red	Green	Red	Red	Green	Green	Green	Green	Red	Yellow	Green	White	Green	Yellow	Green	Yellow	Yellow	Yellow
	Do you respect confidentiality of commercially sensitive information while providing this information?	Green	Green	Green	Yellow	Red	Green	Green	Green	Green	Green	Yellow	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
	Is this information provided by a third party?	Red	Red	Green	Yellow	Red	Green	Red	Green	Green	Green	Yellow	Green	Green	Green	Green	Green	Red	Red	Red	Red	Yellow	Red	Yellow	Yellow	Yellow
3.4.4.	Do you offer flexibility services, other than tolerances, for third party access?	Green	Green	Green	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Green	Green	Red	Green	Red	Yellow	Yellow
	If you do, do you publish daily forecasts on a day-ahead basis of the maximum amount of flexibility, the booked level of flexibility and the availability of flexibility for the market for the next gas day?	Green	Red	Yellow	Green	Red	Green	Red	Red	Red	Red	Red	Red	Green	Red	Green	Red	Yellow	Green	Red	Green	Red	Yellow	Yellow	Yellow	Yellow
	Do you also publish ex-post information on the aggregate utilisation of every flexibility service at the end of each gas day?	Green	Red	Yellow	Green	Red	Green	Red	Red	Red	Red	Red	Red	Green	Green	Green	Red	Yellow	Green	Red	Green	Red	Red	Red	Yellow	Yellow
3.4.5.	(5) Do you publish, per balancing zone:	White	White	White	White	White	White	White	White	White	White	White	White	White	White	White	White	White	White	White	White	White	White	White	White	White
	the amount of gas in the transmission system at the start of each gas day and	Yellow	Red	Green	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Green	Yellow	Red	Yellow	Red	Red	Red	Red	Red	Green
	the forecast of the amount of gas in the transmission system at the end of each gas day?	Yellow	Red	Green	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Green	Yellow	Red	Yellow	Red	Red	Red	Red	Red	Green
	Do you publish the amount of gas in the transmission system on an hourly basis?	Yellow	Red	Green	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Green	Yellow	Red	Yellow	Red	Red	Red	Red	Red	Green
	Do you update the forecast amount of gas for the end of the gas day on an hourly basis throughout the gas day?	Yellow	Red	Red	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Green	Yellow	Red	Yellow	Red	Red	Red	Red	Red	Green
	Alternatively, do you publish, per balancing zone	White	White	White	White	White	White	White	White	White	White	White	White	White	White	White	White	White	White	White	White	White	White	White	White	White
	the aggregate imbalance position of all users at the start of each balancing period and	Green	Red	Green	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Green	Yellow	Red	Yellow	Red	Red	Red	Red	Red	Green
the forecast of the aggregated imbalance position of all users at the end of each gas day?	Green	Red	Green	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Green	Yellow	Red	Yellow	Red	Red	Red	Red	Red	Green	
3.4.6.	Do you provide user-friendly instruments for calculating tariffs?	Green	Yellow	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green

Detailed results – South region

SUMMARY TABLE (1)		<i>Country code</i>				
Article of Annex 1 chapter 3 of Regulation 715/2009	Transparency requirement	PT	FR		SP	
		TSO 1	TSO 2	TSO 3	TSO 4	TSO 5
3.1.1. Form of publication:						
3.1.1.1.	Do you publish the information referred to under paragraph 3.1.2. in the following manner:					
	(a) on a website accessible to the public, free of charge and without any need to register or otherwise sign on with the transmission system operator;					
	(b) on a regular/rolling basis; the frequency shall be according to the changes that take place and the duration of the service;					
	(c) in a user-friendly manner;					
	(d) in a clear, quantifiable, easily accessible way and on a non-discriminatory basis;					
	(e) in downloadable format that allows for quantitative analyses;					
	(f) in consistent units, in particular kWh (with a combustion reference temperature of 298,15 K) shall be the unit for energy content and m ³ (at 273,15 K and 1,01325 bar) shall be the unit for volume. The constant conversion factor to energy content shall be provided. In addition to the format above, publication in other units is also possible;					
3.1.1.2.	(g) in the official languages of the member State and					
	(g) in English					
	Do you provide details on actual changes to all information referred to under paragraph 3.1.2 in a timely manner as soon as available to you?					

Detailed results – South region

SUMMARY TABLE (2)		Country code				
Article of Annex 1 chapter 3 of Regulation 715/2009	Transparency requirement	PT	FR		SP	
		TSO 1	TSO 2	TSO 3	TSO 4	TSO 5
3.1.2 Content of publication						
3.1.2 a)	Do you publish a detailed and comprehensive description of the different services offered and their charges?					
3.1.2 b)	Do you publish the different types of transportation contracts available for these services?					
3.1.2.c)	Do you publish the network code and/or the standard conditions outlining the rights and responsibilities of all network users including:					
	1. Harmonised transportation contracts and other relevant documents;					
	2. if relevant for access to the system, for all relevant points as defined in paragraph 3.2 of this Annex, a specification of relevant gas quality parameters, including at least the gross calorific value and the Wobbe index, and the liability or costs of conversion for network users in case gas is outside these specifications;					
	3. if relevant for access to the system, for all relevant points information on pressure requirements;					
3.1.2.d)	4. the procedure in the event of an interruption of interruptible capacity, including, where applicable, the timing, extent, and ranking of individual interruptions (for example pro-rata or first-come-last-interrupted);					
3.1.2 d)	Do you publish the harmonised procedures applied when using the transmission system, including the definition of key terms?					
3.1.2.e)	Do you publish provisions on					
	1. capacity allocation,					
	2. congestion management,					
	3. anti-hoarding, and					
3.1.2.f)	4. reutilisation procedures?					
3.1.2.f)	Do you publish the rules applicable for capacity trade on the secondary market vis-a-vis the transmission system operator?					
3.1.2.g)	Do you publish rules on balancing and methodology for the calculation of imbalance charges?					
3.1.2.h)	If applicable, do you publish					
	the flexibility and tolerance levels included in transportation and other services without separate charge, as well as any flexibility offered in addition to this and the corresponding charges					
3.1.2.i)	Do you publish a detailed description of the gas system of the transmission system operator and its relevant points of interconnection as defined in paragraph 3.2 of this Annex, as well as the names of the operators of the interconnected systems or facilities?					
3.1.2.j)	Do you publish the rules applicable for connection to the system operated by the transmission system operator?					
3.1.2.k)	Do you publish information on emergency mechanisms, as far as it is the responsibility of the transmission system operator, such as measures that can lead to the disconnection of customers groups and other general liability rules that apply to the transmission system operator?					
3.1.2.l)	Do you publish					
	procedures agreed upon by transmission system operators at interconnection points, of relevance for access of network users to the transmission systems concerned, relating to interoperability of the network, agreed procedures on nomination and matching procedures and					
	other agreed procedures that set out provisions in relation to gas flow allocations and balancing, including the methods used?					
3.1.2.m)	Do you publish a detailed and comprehensive description of the methodology and process, including information on the parameters employed and the key assumptions, used to calculate the technical capacity?					

Detailed results – South region

SUMMARY TABLE (3)		PT	FR		SP	
Article of Annex 1 chapter 3 of Regulation 715/2009	Transparency requirement	Country code				
		TSO 1	TSO 2	TSO 3	TSO 4	TSO 5
3.3 Information to be published at all relevant points and the time schedule according to which this information should be published						
3.3.1., 3.3.2. and 3.3.3.	Do you publish at all relevant points the following information for all services and ancillary services provided:					
	(a) the technical capacity for flows in both directions:					
	Is this information published on a numerical basis?					
	Is this information in hourly or daily periods, equal to the smallest reference period?					
	Is this information and updates published as soon as available to you ("near real time")?					
	Is this information published for a period of at least 18 months ahead?					
	Do you publish historical information on the technical capacity for flows in both directions for the past five years on a rolling basis?					
	Is information for single final customers and for production facilities, that is excluded from the definition of relevant points as described under 3.2 (1)(a) published in aggregate format at least per balancing zone. The aggregation of single final customers and of production facilities, excluded from the definition of relevant points as described under 3.2 (1)(a), shall for the application of this annex be considered one relevant point.					
	(b) the total contracted firm and interruptible capacity in both directions					
	Is this information published on a numerical basis?					
	Is this information in hourly or daily periods, equal to the smallest reference period?					
	Is this information and updates published as soon as available to you ("near real time")?					
	Is this information published for a period of at least 18 months ahead?					
	Do you publish historical information on the total contracted firm and interruptible capacity for flows in both directions for the past five years on a rolling basis?					
	(c) the nominations and re-nominations in both directions:					
	Is this information published on a numerical basis?					
	Is this information in hourly or daily periods, equal to the smallest reference period?					
	Is this information and updates published as soon as available to you ("near real time")?					
	Do you publish historical information on the nominations and re-nominations in both directions for the past five years on a rolling basis?					
	(d) the available firm and interruptible capacity in both directions:					
	Is this information published on a numerical basis?					
	Is this information in hourly or daily periods, equal to the smallest reference period?					
	Is this information and updates published as soon as available to you ("near real time")?					
Is this information published for a period of at least 18 months ahead?						
Do you publish historical information on the available firm and interruptible capacity in both directions for the past five years on a rolling basis?						
(e) actual physical flows:						
Is this information published on a numerical basis?						
Is this information in hourly or daily periods, equal to the smallest reference period?						
Is this information and updates published as soon as available to you ("near real time")?						
Do you publish historical information on actual physical flows for the past five years on a rolling basis?						

Detailed results – South region

SUMMARY TABLE (4)		<i>Country code</i>				
Article of Annex 1 chapter 3 of Regulation 715/2009	Transparency requirement	PT	FR		SP	
		TSO 1	TSO 2	TSO 3	TSO 4	TSO 5
3.3 Information to be published at all relevant points and the time schedule according to which this information should be published						
3.3.1., 3.3.2. and 3.3.3.	(f) planned and actual interruption of interruptible capacity;					
	Is this information published on a numerical basis?					
	Is this information in hourly or daily periods, equal to the smallest reference period?					
	Is this information and updates published as soon as available to you ("near real time")?					
	Do you publish historical information on planned and actual interruptions of interruptible capacity for the past five years on a rolling basis?					
3.3.4.	(g) planned and unplanned interruptions to firm services as well as the information on restoration of the firm services (in particular, maintenance of the system and the likely duration of any interruption due to maintenance).					
	Do you publish planned interruptions at least 42 days in advance?					
	Is this information and updates published as soon as available to you ("near real time")?					
	Do you publish historical information on planned and unplanned interruptions for the past five years on a rolling basis?					
	Do you publish measured values of the gross calorific value or the Wobbe index at all relevant points, on a daily basis?					
3.3.5.	Do you publish preliminary figures at the latest 3 days following the respective gas day?					
	Do you publish final figures within 3 months after the end of the respective month?					
	Do you publish for all relevant points, available capacities, booked and technical capacities, on an annual basis over all years where capacity is contracted plus 1 year, and at least for the next 10 years.					
	Is this information updated at least every month or more frequently, if new information becomes available?					
	Does the publication reflect the period for which capacity is offered to the market?					
3.1.1.1.	Do you publish the information referred to under paragraph 3.3(1) to 3.3(5) in the following manner:					
	(a) on a website accessible to the public, free of charge and without any need to register or otherwise sign on with the transmission system operator;					
	(b) on a regular/rolling basis; the frequency shall be according to the changes that take place and the duration of the service;					
	(c) in a user-friendly manner;					
	(d) in a clear, quantifiable, easily accessible way and on a non-discriminatory basis;					
	(e) in downloadable format that allows for quantitative analyses;					
	(f) in consistent units, in particular kWh (with a combustion reference temperature of 298,15 K) shall be the unit for energy content and m ³ (at 273,15 K and 1,01325 bar) shall be the unit for volume. The constant conversion factor to energy content shall be provided. In addition to the format above, publication in other units is also possible;					
	(g) in the official languages of the member State and					
	(g) in English					
	3.1.1.2.	Do you provide details on actual changes to all information referred to under paragraph 3.3(1) to 3.3(5) in a timely manner as soon as available to you?				

Detailed results – South region

SUMMARY TABLE (5)		<i>Country code</i>				
Article of Annex 1 chapter 3 of Regulation 715/2009	Transparency requirement	PT	FR		SP	
		TSO 1	TSO 2	TSO 3	TSO 4	TSO 5
3.4 Information to be published regarding the transmission system and the time schedule according to which this information should be published						
3.4.1.	Do you publish on a daily basis and updated every day the following specifications re. the aggregated amounts of capacities offered, and contracted on the secondary market (i.e. sold from one network user to another network user), where the information is available to you:					
	(a) interconnection point where the capacity is sold; (b) type of capacity, i.e. entry, exit, firm, interruptible; (c) quantity and duration of the capacity usage rights; (d) type of sale, e.g. transfer or assignment; (e) the total number of trades/transfers; (f) any other conditions known to the transmission system operator as mentioned in 3.3. Is this information provided by a third party?					
3.4.2.	Do you publish the following specifications re. harmonised conditions under which capacity transactions (e.g. transfers and assignments) will be accepted:					
	(a) a description of standardised products which can be sold on the secondary market; (b) lead time for the implementation/acceptation/registration of secondary trades. In case of delays the reasons have to be published; (c) the notification to the transmission system operator by the seller or the third party as referred to under 3.4(1) about name of seller and buyer and capacity specifications as outlined in 3.4(1). Is this information provided by a third party?					
3.4.3.	Regarding the balancing service of your system, do you provide to each network user, for each balancing period, its specific preliminary imbalance volumes and cost data per individual network user, at the latest 1 month after the end of the balancing period?					
	Do you provide final data of customers supplied according to standardised load profiles within 14 months later? Do you respect confidentiality of commercially sensitive information while providing this information? Is this information provided by a third party?					
3.4.4.	Do you offer flexibility services, other than tolerances, for third party access? If you do, do you publish daily forecasts on a day-ahead basis of the maximum amount of flexibility, the booked level of flexibility and the availability of flexibility for the market for the next gas day? Do you also publish ex-post information on the aggregate utilisation of every flexibility service at the end of each gas day?					
	(5) Do you publish, per balancing zone: the amount of gas in the transmission system at the start of each gas day and the forecast of the amount of gas in the transmission system at the end of each gas day? Do you publish the amount of gas in the transmission system on an hourly basis? Do you update the forecast amount of gas for the end of the gas day on an hourly basis throughout the gas day?					
3.4.5.	Alternatively, do you publish, per balancing zone the aggregate imbalance position of all users at the start of each balancing period and the forecast of the aggregated imbalance position of all users at the end of each gas day?					