ENTSOG Transparency Platform

Overview of publication options and obligations

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Subject Manager Transparency
Presentation content
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1. **Historical overview**

2. **Legal basis for TP establishment and data publication**
   - Which regulation?
   - What data?
   - For which points?
   - How should the required data be published?

3. **TP Overview**
   - Main parts and functionalities
   - TP data indicators, granularity and frequency of publication, units
   - Points identification/information
   - Data submission rules
   - Technical information
   - Statistical information

4. **TP related services provided to ENTSOG members**

5. **Examples of functionalities**
1. Historical overview
HISTORICAL OVERVIEW

ENTSOG TP Establishment

- 2008: GTE +/ ENTSOG TP Platform
- 1 October 2013: Upgraded TP
- 1 October 2014: ENTSOG TP

- Voluntary publications
- Mandatory publications
HISTORICAL OVERVIEW
2. Legal basis
Legal basis

Which regulation?

- **REGULATION (EC) No 715/2009 (Transparency Guidelines)**
  - COMMISSION DECISIONS

- **REGULATION (EU) No 984/2013 (CAM NC)**

- **REGULATION (EU) No 2015/703 (Interoperability NC)**

- **REGULATION (EU) No 2017/460 (Tariff NC)**

- **REMIT and REMIT IMPLEMENTING ACTS**
  - REGULATION (EU) No 1227/2011
  - REGULATION (EU) No 1348/2014
ANNEX

3. Definition of the technical information necessary for network users to gain effective access to the system, the definition of all relevant points for transparency requirements and the information to be published at all relevant points and the time schedule according to which this information shall be published

3.1. Definition of the technical information necessary for network users to gain effective access to the system

3.1.1. Form of publication

(1) Transmission system operators (TSOs) shall provide all information referred to under paragraph 3.1.2 and paragraph 3.3(1) to 3.3(5) in the following manner:

(b) all data shall be made available as of 1 October 2013 on one Union-wide central platform, established by ENTSOG on a cost-efficient basis;
Legal basis

How the required data shall be published?


Form of publication

- On a public manner, free of charge
- Without registration/subscription requirements, on a non-discriminatory basis
- In a clear, quantifiable, easily accessible way
- On a regular/rolling basis
- In a user-friendly manner
- In downloadable format that allows for quantitative analyses (e.g.: XML, CSV, XLS)
- In consistent units:
  - Unit for energy content: \textbf{kWh} (with CRT=298,15 K)
  - Unit for volume: \textbf{m}³ (at 273,15 K and 1,01325 bar)
  - The constant conversion factor to energy content shall be provided
- In the official language(s) of the Member State and in English
Legal basis

For which points?


Relevant points, subject to NRA approval, shall include at least

- All entry and exit points to and from the TSO network, with the exception of exit points connected to a single final customer, and entry points linked directly to a production facility of a single producer that is located within the EU
- All entry and exit points between adjacent TSOs
- All entry and exit points connecting balancing zones
- All connection points between the TSO network and LNG terminal(s)
- All connection points between the TSO network and physical gas hub(s)
- All connection points between the TSO network and storage facility(s)
- All points connecting the TSO network to infrastructure necessary for providing ancillary services as defined by Article 2(14) of Directive 2009/73/EC
- Aggregated exit points to final customers, per balancing zone
- Aggregated entry points from production facilities, per balancing zone
- Other points, subject to NRA’s decision
Legal basis

What data?


Information to be published at all relevant points and point directions

- Operational data: Nominations and re-nominations, actual physical flows, gross calorific value or Wobbe index

- Capacities: Technical capacity, available firm capacity, booked firm capacity, total interruptible capacity, available interruptible capacity, booked interruptible capacity

- Interruptions: Planned and actual interruption of interruptible capacity, planned and unplanned interruptions to firm services

- Tariffs for Interconnection Points (where CAM NC is applied):
  - Reserve prices, flow-based charges (if applicable) for yearly, quarterly, monthly, daily and within-day products,
  - Simulations for Y, Q, M and D productions
Legal basis

What data?

REGULATION REFERENCE: Regulation (EU) No 2015/703 (Interoperability NC)

Gas quality information to be published at all physical relevant points:
- Link to hourly gas quality data

What data?

REGULATION REFERENCE: Regulation (EU) No 2017/460, Article 31

Tariff information to be published at all interconnection points (where CAM NC is applied):
- Reserve prices, flow-based charges (if applicable) for yearly, quarterly, monthly, daily and within-day products,
- Simulations for Y, Q, M and D productions
3. TP overview
ENTSOG TP web-address
https://transparency.entsog.eu/
ENTSOG TP Overview
ENTSOG TP Overview

Main parts and functionalities

- TP Map (Customizable display and filtering options)
- Point and TSO information part
- Points/Balancing zones part (Numeric data part, chart part, time-stamps)
- Calendar with UMMs and Interruptions information including rolling banner
- Search bar
- Advanced search functionality
- Recently viewed items
- TP Export wizard (Manual data export in XLSX, CSV, XML format)
- Favourites
  - Quick access to pre-selected set of objects
  - For registered users only
- TP API (Automated download tool)
- RSS (Web-feeds for subscription to TP data updates)
- Help section with TP User Manual and tutorial videos
# ENTSOG TP Overview

## TP Data types

<table>
<thead>
<tr>
<th>Indicator</th>
<th>Granularity of data*</th>
<th>Frequency of publication/update</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominations</td>
<td>Hourly or Daily</td>
<td>Hourly or Daily</td>
<td>kWh/h or kWh/d</td>
</tr>
<tr>
<td>Re-nominations</td>
<td>Hourly or Daily</td>
<td>Hourly or Daily</td>
<td>kWh/h or kWh/d</td>
</tr>
<tr>
<td>Allocations** (commercial flow)</td>
<td>Hourly or Daily</td>
<td>Hourly or Daily</td>
<td>kWh/h or kWh/d</td>
</tr>
<tr>
<td>Actual physical flow</td>
<td>Hourly or Daily</td>
<td>Hourly or Daily</td>
<td>kWh/h or kWh/d</td>
</tr>
<tr>
<td>GCV</td>
<td>Hourly or Daily</td>
<td>Hourly or Daily</td>
<td>kWh/m³</td>
</tr>
<tr>
<td>Wobbe Index</td>
<td>Hourly or Daily</td>
<td>Hourly or Daily</td>
<td>kWh/m³</td>
</tr>
<tr>
<td>Technical capacity</td>
<td>Hourly or Daily</td>
<td>When changed</td>
<td>kWh/d</td>
</tr>
<tr>
<td>Booked firm capacity</td>
<td>Hourly or Daily</td>
<td>When changed</td>
<td>kWh/d</td>
</tr>
<tr>
<td>Available firm capacity</td>
<td>Hourly or Daily</td>
<td>When changed</td>
<td>kWh/d</td>
</tr>
<tr>
<td>Total interruptible capacity</td>
<td>Hourly or Daily</td>
<td>When changed</td>
<td>kWh/d</td>
</tr>
<tr>
<td>Booked interruptible capacity</td>
<td>Hourly or Daily</td>
<td>When changed</td>
<td>kWh/d</td>
</tr>
<tr>
<td>Available interruptible capacity</td>
<td>Hourly or Daily</td>
<td>When changed</td>
<td>kWh/d</td>
</tr>
</tbody>
</table>
## ENTSOG TP Overview

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<th>Granularity of data*</th>
<th>Frequency of publication/update</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Planned interruption of firm capacity</td>
<td>Hourly or Daily</td>
<td>Hourly or Daily</td>
<td>kWh/h or kWh/d</td>
</tr>
<tr>
<td>Unplanned interruption of firm capacity</td>
<td>Hourly or Daily</td>
<td>Hourly or Daily</td>
<td>kWh/h or kWh/d</td>
</tr>
<tr>
<td>Planned interruption of interruptible capacity</td>
<td>Hourly or Daily</td>
<td>Hourly or Daily</td>
<td>kWh/h or kWh/d</td>
</tr>
<tr>
<td>Actual interruption of interruptible capacity</td>
<td>Hourly or Daily</td>
<td>Hourly or Daily</td>
<td>kWh/h or kWh/d</td>
</tr>
<tr>
<td>Percentage of the interrupted firm capacity**</td>
<td>-</td>
<td>Hourly or Daily</td>
<td>%</td>
</tr>
<tr>
<td>Percentage of the interrupted interruptible capacity**</td>
<td>-</td>
<td>Hourly or Daily</td>
<td>%</td>
</tr>
</tbody>
</table>

* Data granularity depends on the smallest reference period for capacity booking and (re-)nomination and the smallest settlement period for which imbalance charges are calculated;

** Publication on voluntary basis (non-mandatory)
## ENTSOG TP Overview

### TP Data types

<table>
<thead>
<tr>
<th>Indicator</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unsuccessful requests for firm capacity products (requested volume, allocated volume, unsuccessful request, number of occurrences)</td>
</tr>
<tr>
<td>Auction results</td>
</tr>
<tr>
<td>(reserved price, cleared price, auction premium)</td>
</tr>
<tr>
<td>Unavailable firm capacity</td>
</tr>
<tr>
<td>(capacity allocation procedure applied)</td>
</tr>
<tr>
<td>Capacity made available through the application of a CMP procedure (oversubscription, buy-back, surrender, LT-UIOLI, ST-UIOLI)</td>
</tr>
<tr>
<td>Tariff information</td>
</tr>
<tr>
<td>Urgent Market Messages</td>
</tr>
</tbody>
</table>
ENTSOG TP Overview

Points information/identification

✓ Point name
✓ Point direction
✓ Point **EIC (Energy Identification Code)**
✓ Validity period (Date of commissioning – Date of decommissioning)
✓ CAM/CMP Relevance
✓ Point types:
  - Transmission point
  - Storage points (connection points TSO transmission system – Storage facility)
  - LNG points (connection points TSO transmission system – LNG Terminal)
  - Aggregated production point
  - Aggregated final customers point
  - Aggregated distribution point
  - Interconnection point
  - Cross-border point
  - In-country connection point
  - Import point
  - Virtual Interconnection point
  - Virtual Trading point
ENTSOG TP Overview

Data submission rules

- Always test the new data types submission first on UAT
- Minimise redundant submissions and apply a “Delta” approach:
  Messages submitted to the system should only contain values which have actually changed compared to the ones submitted through a previous message
- Respect ENTSOG recommendations regarding frequency of data uploads
- All deletion actions need to be carefully prepared and coordinated with ENTSOG in advance
- New point definition shall be communicated and coordinated with ENTSOG
- Capacity data units – energy units only – kWh/h, kWh/d
- Point identification – through EICs only

Strictly follow the recommendations of
“ENTSOG Data Publication Best Practices document”
ENTSOG TP Overview

Technical information

Data submission modes
- Manual
- Automated

Supported communication protocols
- SFTP
- HTTPS Pull
- HTTPS Push
- AS2

Data submission format
- XML files based on private ENTSOG XSD specification (TP18_REG715_XSD_ENTSOG_v3.X.X.xsd)
ENTSOG TP Overview

**Statistical information**

- 49 TSOs publishing data on the TP
- 1550 TP point sides
- 5600 files processed per day
- 1,725,000 rows integrated per day
- 24,000 rows integrated per hour
- 1,200 unique visits per day
- 40,000 downloads per day
- 23-27 minutes average duration of an individual visit
4. Services provided to the ENTSOG members
TP related services

*Services and activities performed by ENTSOG Team*

- Kit for new TP Publishers (XSD, Administration guide, Best Practices document)
- Support in the establishment of TSO - ENTSOG TP communication interface
- Testing environment (TST)
- Production environment (PRD)
- TP Back-end system – administration portal (MDM)
- Monitoring of the data processing in TST and PRD
- Monitoring of the TP performance and operability
- Troubleshooting and support for solving publication issues
- Data processing and data quality reports
- Annual TP bulk exports for ACER monitoring activities (CMP and MMR reports)
- ENTSOG REMIT Reporting of aggregated fundamental data to ACER
- Further TP development
5. Examples of functionalities
Example 1a: Operator information

**General TSO information**
- Contact details
- Links to the TSO’s web-site
- General technical and commercial data

**Direct access to various publications on TSOs’ websites**
Example 1b: Transparency data on TSO’s web-site

*Template applied by all TSOs*

- With links to the required data on the TSO’s web-site
- In the official language(s) of the Member State and in English

<table>
<thead>
<tr>
<th>Annex I to Regulation (EC) n. 715/2009</th>
<th>Description</th>
<th>Link</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.1.2 a)</td>
<td>A detailed and comprehensive description of the different services and their charges</td>
<td>- Services description. Chapter 3 of the Network Code</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Services Booking. Chapter 5 of the Network Code</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Applicable Charges</td>
</tr>
<tr>
<td>3.1.2 b) u. c) 1.</td>
<td>Different transportation contracts and other significant documents</td>
<td>- Contracts description. Chapter 5 of the Network Code</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Significant documents</td>
</tr>
<tr>
<td>3.1.2 c)</td>
<td>Network code / standard conditions</td>
<td>- Snam Rete Gas Network Code</td>
</tr>
<tr>
<td>3.1.2 c) 2.</td>
<td>Specification of relevant gas quality parameters</td>
<td>- Gas quality parameters. Chapter 11 of the Network Code, Annex A</td>
</tr>
<tr>
<td>3.1.2 c) 3.</td>
<td>Pressure requirements</td>
<td>- Contractual obligations. Chapter 19 of the Network Code, § 1.1.2 and 1.2.2</td>
</tr>
<tr>
<td>3.1.2 c) 4.</td>
<td>Procedure in the event of an interruption of interruptible capacity</td>
<td>- Pressure requirements are included in the specific files per point topology</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Procedure for interruption, Chapter 3 of the Network Code, § 2.2</td>
</tr>
</tbody>
</table>
Example 2: Point information via map and data page
Example 3: The (interruption) Calendar
Example 4: Search bar and recently viewed items

CONNECTION POINTS (6 FOUND, 5 SHOWN)
- VIP IBERICO
- VIP Kieferfelden-Pfronten
- VIP Mediusu Aunt - Isaceea (RO-UA)
- VIP PIRINEOS
- VIPE Larissa

OPERATORS (7 FOUND, 5 SHOWN)
- DESFA
- enagas
- RENH Gasodutos
- S.N.G.N. Romgaz S.A. (Unaffiliated - SSO)
- Terēga

RECENTLY VIEWED ITEMS
- Points
- Zones
- Croatia
- Hungary
- Plinacro
- FGSZ
- Baumgarten (2 directions)
Example 5: Advanced search

<table>
<thead>
<tr>
<th>Point</th>
<th>From CC</th>
<th>From Zone</th>
<th>From Infrastructure</th>
<th>From Operator</th>
<th>From Operator Point</th>
<th>From Booking Platform</th>
<th>From Identifier</th>
<th>To Identifier</th>
<th>To Booking Platform</th>
<th>To Operator Point</th>
<th>To Operator Pc</th>
<th>To Op</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dravaszerdahely</td>
<td>HR</td>
<td>Croatia</td>
<td>Transmission</td>
<td>Flnacro</td>
<td>Dravaszerdahely</td>
<td></td>
<td>21Z0000000000249H</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dravaszerdahely</td>
<td>HU</td>
<td>Hungary</td>
<td>Transmission</td>
<td>FGSZ</td>
<td>Dravaszerdahely (HU&gt;CR)</td>
<td></td>
<td>21Z0000000000249H</td>
<td>21Z0000000000249H</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Balassagyarmat</td>
<td>HU</td>
<td>Hungary</td>
<td>Transmission</td>
<td>MGT</td>
<td>Balassagyarmat (HU) / Velké Zlívce (SK)</td>
<td></td>
<td>21Z000000000350C</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Csanádpalota</td>
<td>HU</td>
<td>Hungary</td>
<td>Transmission</td>
<td>FGSZ</td>
<td>Csanádpalota (HU&gt;RO)</td>
<td></td>
<td>21Z000000000236Q</td>
<td>21Z0000000000236Q</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Csanádpalota</td>
<td>RO</td>
<td>RO_NTS</td>
<td>Transmission</td>
<td>Transgaz</td>
<td>Csanádpalota (RO&gt;HU)</td>
<td></td>
<td>21Z000000000236Q</td>
<td>21Z0000000000236Q</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

All columns can be used for filtering
Example 6: The data page

Numerous options for data display
Example 7: Tariffs page

<table>
<thead>
<tr>
<th>Point Name</th>
<th>Direction</th>
<th>Operator</th>
<th>Capacity Type</th>
<th>Product Type</th>
<th>Applicable tariff in common unit [value]</th>
<th>Applicable tariff in common unit [unit]</th>
<th>Start time of validity</th>
<th>End time of validity</th>
<th>Applicable commodity tariff per kWh, if any, in local currency</th>
<th>Applicable commodity tariff per kWh, if any, in EUR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Merkappel (GRTgaz D)</td>
<td>entry</td>
<td>GRTgaz Deutschland</td>
<td>Firm</td>
<td>Yearly</td>
<td>0.007907</td>
<td>Euro/(kWh)/y</td>
<td>01/01/2018 06:00</td>
<td>01/01/2019 06:00</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Oberkappel (OGE)</td>
<td>entry</td>
<td>Open Grid Europe</td>
<td>Firm</td>
<td>Yearly</td>
<td>0.010207</td>
<td>Euro/(kWh)/y</td>
<td>01/01/2018 06:00</td>
<td>01/01/2019 06:00</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Reserve prices, flow-based charges and simulations for all Interconnection Points
Thank You for Your Attention

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