

PRINCIPLES FOR PUBLICATION ON UMM.GASSCO.NO

1. BACKGROUND

Gassco is publishing operational information pertaining to the upstream pipeline network (cf. Directive 2009/73/EC) on and from the Norwegian Continental Shelf. The following information aims at giving a background for understanding the context of these messages.

The system comprises more than 8800 km of high pressure pipelines, gas treatment plants, riser platforms, receiving terminals and crossover pipelines securing a high degree of flexibility and gas routing alternatives.

With this degree of flexibility and the long distance from the production units to market where the gas is delivered, the physical transportation time varies between 3 and 7 days depending on flowrate and field location.

There is currently above 65 producing units delivering into the system, with variations in flow due to changing nominations, events at the field or events in the transportation system. Reductions with a short duration or a minor impact are dealt with through operational flexibility, since the field availability is given as a daily volume. Consequently, many of the events will have no impact, i.e. shippers are not curtailed and gas is delivered as planned.

If shippers are curtailed, publication of unplanned and planned events will include information of unavailable-, available- and technical capacities for fields, processing plants and terminals in the gas transportation system. For some of the fields, plants and terminals the actual use will vary during the year.

The publication of real time- and historical data includes aggregated information of exit nomination from the system.

The published information will in addition be disclosed in an Atom web feed that enhances the overall transparency in the form of Urgent Market Messages – UMMs (as described in ANNEX VII of the ACER REMIT MoP).

2. REAL-TIME INFORMATION

Publication of daily aggregated nomination for current and next gasday, updated every 5 minutes:

- Dornum
- Aggregated Europe Metering Station
- Dunkerque
- Zeebrugge
- Easington
- St Fergus/Vesterled
- Aggregated entry SEGAL system (Gjøa Gas Pipe, Knarr Gas Pipeline and Tampen Link)
- Aggregated other exit points (field injection points and Norwegian exit points)
- Sum exit nominations NCS

3. HISTORICAL INFORMATION

Publication of historical aggregated nominations is graphically presented as a final daily aggregated nomination for up to two years back in time for:

- Dornum
- Aggregated Europe Metering Station
- Dunkerque
- Zeebrugge
- Easington
- St Fergus/Vesterled
- Aggregated entry SEGAL system (Gjøa Gas Pipe, Knarr Gas Pipeline and Tampen Link)
- Aggregated other exit points (field injection points and Norwegian exit points)
- Sum exit nominations NCS

4. EVENTS – ENTRY (FIELDS AND PROCESSING PLANTS)

For unplanned and planned events affecting fields and/or processing plants entering the system, outages that may affect the daily capacity above 5 MSm³ will be published. The following information will be provided:

Event ID / Asset affected / Type of Unavailability / Revision / Time of Publication / Event Start / Event stop / Technical capacity / Available capacity / Unavailable capacity / Type of event / Reason for the unavailability / Remarks

When referring to a producing field, "Asset affected" refers to the field where gas enters the transportation system as a node, and the outage may be at any one or more fields/licenses delivering through the node. Unavailability impact is aggregated impact at the node.

The term "Technical capacity" in this respect refers to the maximum capacity/availability that the affected asset can flow for a long period of operation in normal conditions.

The term "Available capacity" refers to the remaining available daily capacity/availability of the affected asset.

The term "Unavailable capacity" refers to the unavailable capacity/availability of the affected asset.

Information of planned events (maintenance) will be published simultaneously with information provided to the shippers of such planned maintenance. Available capacity for planned maintenance may be uncertain depending on actual operational conditions. These events will be commented with "uncertain capacity", and may have an uncertainty of up to $\pm 5 \text{ MSm}^3/\text{d}$.

If an unplanned event has a duration above one day, an uncertainty of up to $\pm 2 \text{ MSm}^3/\text{d}$ may occur in the reporting due to variation in operational conditions.

Information of unplanned events will be performed as soon as practically possible, but not later than one hour after the shippers have been informed about the curtailment.

It is possible to filter the information in the provided table. Start of event is set as default.

The Norwegian fields and processing plants undertake planned maintenance coordinated by Gassco, hence maintenance at processing plants may be carried out in parallel with upstream fields. In the table Events - Entry (Fields and Processing Plants) all relevant events will be published. However the figure Events - Aggregated entry (Fields and Processing Plants) shows the net impact of all events listed, taking these dependencies into account.

5. EVENTS – EXIT TERMINALS

For unplanned and planned events affecting exit points as listed above under 2, outages that may affect the daily capacity above 5 MSm^3 will be published. The following information will be provided:

Event ID / Asset affected / Type of Unavailability / Revision / Time of Publication / Event Start / Event stop / Technical capacity / Available capacity / Unavailable capacity / Type of event / Reason for the unavailability / Remarks

The term "Technical capacity" in this respect refers to the maximum capacity that the affected exit point can flow for a long period of operation in normal conditions.

The term "Available capacity" refers to the remaining available daily capacity of the affected exit point affected by the event.

The term "Unavailable capacity" refers to the unavailable capacity of the affected exit point affected by the event.

Information of unplanned events will be performed as soon as practically possible, but not later than one hour after the shippers have been informed about the curtailment.

Information of planned events (maintenance) will be published simultaneously with information provided to the shippers of such planned maintenance. Available capacity for planned maintenance may be uncertain depending on actual operational conditions. These events will be commented with "uncertain capacity", and may have an uncertainty of up to $\pm 5 \text{ MSm}^3/\text{d}$.

It is possible to filter the information in the provided table. Start of event is set as default.

6. OTHER EVENTS

An ad-hoc ticker is established for publication of other events. This publication may cover planned and unplanned events, such as; LNG related publication, production permit information on flexible fields, information regarding changes in minimum availability on flexible fields, any other information shippers needs to publish.

The following information will be provided:

Event ID / Asset affected / Type of Unavailability / Revision / Time of Publication / Event Start / Event stop / Technical capacity / Available capacity / Unavailable capacity / Type of event / Reason for the unavailability / Remarks

Bygnes, 01 December 2020