



Attachment C.3:

Operating Procedures for Quality Conversion to H Services

ACCESS CODE FOR TRANSMISSION

Table of Contents

[1. Definitions 3](#_Toc148516187)

[2. Subject 3](#_Toc148516188)

[3. General provisions 3](#_Toc148516189)

[3.1. General 3](#_Toc148516190)

[3.2. Topology 3](#_Toc148516191)

[4. Quality Conversion to H Service 4](#_Toc148516192)

[5. Nominations and Confirmations 4](#_Toc148516193)

[5.1. Process and Messages 4](#_Toc148516194)

[5.1.1. SDT, TDT, Applicable Re-nomination Lead-Time and Applicable Interruption/Constraint Lead-Time 4](#_Toc148516195)

[5.1.2. Daily nomination procedures at Installation Point “QC” 5](#_Toc148516196)

[5.1.3. Day-ahead Nomination on Gas Day d-1 at 17:00 hours 6](#_Toc148516197)

[5.1.4. Within-Day Re-nomination cycle 6](#_Toc148516198)

[5.2. Confirmations 6](#_Toc148516199)

[5.2.1. Capacity check 6](#_Toc148516200)

[5.2.2. Quality Conversion to H Interruption 7](#_Toc148516201)

[5.2.3. Quality Conversion to H Constraint 7](#_Toc148516202)

[5.2.4. Reduction Rule 8](#_Toc148516203)

[6. Allocations 8](#_Toc148516204)

[6.1. Allocation process 8](#_Toc148516205)

[6.2. Reporting 8](#_Toc148516206)

[7. Exchanged Data 8](#_Toc148516207)

# Definitions

Unless the context requires otherwise, the definitions set out in the Attachment 3 of the STA apply to this Attachment C.3. Capitalized words and expressions used in this Attachment C.3 which are not defined in the Attachment 3 of the STA shall have the following meaning:

*Day-Ahead* Before 17:00h on Gas Day *d-1*, as described in section 7.1.2.

# Subject

The Operating Procedures for Quality Conversion to H Services describe the operational rules and procedures which are required for the proper utilisation of the Quality Conversion to H Services.

The Quality Conversion to H Service can be subscribed as described in Attachment B of the Access Code for Transmission (Subscription and Allocation of Transmission Services).

The Operating Procedures for Quality Conversion to H Services describe the required exchanges of operational information between TSO and the Network Users.

# General provisions

## General

The general provisions as described in section 2 of Attachment C.1 shall also be applicable for the Operating Procedures for Quality Conversion Services.

## Topology

The operational model that is used for managing the Quality Conversion to H Services consists of the following elements (see figure below):

* the L Zone of the Transmission Grid,
* the H Zone of the Transmission Grid,
* the Installation Point “QC” which is the conceptual name aggregating all the technical facilities where TSO operates the quality conversion between L-gas and H-gas,
* The Domestic Points for Injection where TSO operates a blending station allowing the injection of non Compatible Gas

H Zone

L Zone

QC2HS + ES

QC2HS + ES

QC2HS

QC2HS

Positive Nominations on the Installation Point “QC” shall be considered as Nominations for the “Quality Conversion to H Service”, by which quantities exit from the L Zone and enter into the H Zone.

Quality Conversion to H Service is also implicitly allocated with Entry Service at Domestic Points for Injection where TSO operates a blending station allowing the injection of Non Compatible Gas. As a consequence, no explicit Nomination is needed for the Quality Conversion to H Service at Domestic Points for Injection.

# Quality Conversion to H Service

The Quality Conversion to H Service offers the possibility to inject Non Compatible Gas into H-Gas in such a way that the mix remains a Compatible Gas.

The Quality Conversion Service to H is an interruptible service; in case of an interruption, the procedure in accordance with section 7.2.2 shall be applied.

# Nominations and Confirmations

## Process and Messages

### SDT, TDT, Applicable Re-nomination Lead-Time and Applicable Interruption/Constraint Lead-Time at the Installation Point “QC”

Network User’s Daily Transmission Notice (SDT) as described in Attachment C.1 shall also be applicable for the Operating Procedures for Quality Conversion Services at Installation Point “QC” but not at relevant Domestic Points for Injection, where only the Entry nomination is needed.

TSO’s Daily Confirmation Notice (TDT) as described in Attachment C.1 shall be applicable for the Operating Procedures for the Quality Conversion to H Service at Installation Point “QC”.

The rules for the Applicable Re-nomination Lead-Time as described in Attachment C.1 shall also be applicable for the Operating Procedures for the Quality Conversion to H Service at the Installation Point “QC” with the exception that the applicable Re-nomination Lead-Time is next full hour +6.

The rules for the applicable Interruption/Constraint Lead-Time as described in Attachment C.1 shall also be applicable for the Operating Procedures for the Quality Conversion to H Service at Installation Point “QC”.

### Daily nomination procedures at Installation Point “QC”

In order to notify TSO of the quantities of Natural Gas to be converted under the Standard Transmission Agreement, the Network User shall notify TSO by sending Nominations and, if applicable, Re-nominations to TSO, according to the following procedure.

A Nomination shall only be sent for the Installation Point “QC” on the H Zone, stating the direction (positive nominations to H), quantity and counterparty. TSO will deduce the nomination on the L Zone based on such nomination.

For the avoidance of doubts, no Nomination shall be sent for the Quality Conversion to H Services at Domestic Points for Injection.

TSO shall send a TSO Daily Confirmation Notice for the Installation Point “QC” on the H Zone, a TSO Daily Confirmation Notice for the Installation Point “QC” on the L Zone.

The Network User shall communicate to TSO the Day-ahead Nomination for the Installation Point “QC” on the H Zone, being the last nomination received by TSO before 17:00 hours on Gas Day *d*-1 and accepted by TSO.

If applicable, the Network User shall communicate to TSO a Within-Day Re-nomination for the Installation Point “QC” on the H Zone. The last Re-nomination shall be the last Re-nomination accepted by TSO. If no Re-nomination is received by TSO, the last Nomination is deemed equal to the accepted quantity of the (Day-ahead) Nomination.

The general procedure consists of four steps:

* For the Installation Point “QC”, the Network User sends a Network User’s Daily Transmission Notice (SDT) to TSO with the nomination on the H Zone in accordance with section 7.1.1;TSO checks validity of the messages format;
* TSO computes the Network User’s hourly Confirmed Quantities of Natural Gas scheduled to be delivered by or redelivered to the Network User at the Installation Point “QC” in accordance with section 7.2 of Attachment C.3 and with Attachment C.1;
* TSO sends a TSO’s Daily Confirmation Notice (TDT) to the Network User in accordance with section 7.1.1.

### Day-ahead Nomination on Gas Day d-1 at 17:00 hours

The Day-ahead Nomination on d-1 at 17:00 hours is the (last) Nomination on d-1 before 17:00.



### Within-Day Re-nomination cycle



The Within-Day Re-nomination cycle is optional. It is only used in case of changes to the Day-ahead Nomination. All Nominations received later than *d-1* at 17:00 hours are Within-Day Re-nominations. For Within-Day Re-nominations on the Installation Point “QC” a lead time of next full hour +6 is applicable.

## Confirmations

### Capacity check

Without prejudice to Attachment A, TSO performs, for operational purposes, a first hourly capacity check for each Network User so that the hourly Confirmed quantities of the Network User in the TSO’s Daily Confirmation Notice are not exceeding the total Subscribed Quality Conversion to H Capacity taking interruptions into account the Network User is entitled to.

In case the Network User would exceed its maximum Capacity rights on the Installation Point “QC” TSO shall:

* Cap the Network User’s hourly Nominated Quantities, if applicable, in order not to exceed the Subscribed Quality Conversion to H Capacity rights the Network User is entitled to
* Send a new TDT to notify the Network User of the revised hourly Confirmed Quantities at the Installation Point “QC”.

For the Installation Point “QC”, in the exceptional case that the TSO, as a result of irregular aggregated Nominations, is not able to start or stop equipment within the term resulting from the Nominations, or is not able to execute the irregular Re-nominations, the TSO is authorized to modify the Nominations of the causing Network User(s) to an executable profile.

### Quality Conversion to H Interruption

If the TSO decides that a partial or total interruption of the Interruptible capacity of the Quality Conversion to H Services is necessary, the TSO shall:

* Use its reasonable endeavours to give timely notice for each hour of the relevant Gas Day about the reduced availability of the Interruptible capacity rights on the Installation Point “QC” by sending a “TSO’s Interruption Notice” by email to the Network Users specifying the Interruption Start Period, the Interruption End Period, the name of the Installation Point, the direction and the remaining interruptible capacity.
* Apply the Interruption by reducing the Network Users interruptible capacity on the Installation Point “QC” pro rata their Subscribed Capacity for the Quality Conversion to H Service.
* Send a new TDT to notify the Network Users of the revised hourly Confirmed Quantities at the Installation Point “QC” in accordance with the confirmation process as described in this section if necessary.

Before the Interruption End Time, the TSO shall use its reasonable endeavours to issue a revised “TSO’s Interruption Notice” in order to modify the Interruption End Time and/or the interrupted capacity.

Interruption to the Quality Conversion to H Service subscribed at a Domestic Point for Injection is obtained by applying an Interruption to the associated Interruptible Entry Service in accordance with the rules set forth in the Access Code for Transmission – Attachment C.1.

### Quality Conversion to H Constraint

A Quality Conversion to H Constraint is an (un)planned event for a given limited period during which some contractual obligations cannot be met, that causes the available hourly capacity to be less than the sum of the Network Users’ hourly Confirmed Quantities and shall result in a revision of the hourly Confirmed Quantities on the Installation Point “QC” .

In case of a Quality Conversion to H Constraint, the TSO shall:

* Apply a constraint on the Installation Point “QC” that limits the total hourly Confirmed Quantities of the affected Network Users,
* Use its reasonable endeavours to give timely notice to the Network Users, of the Quality Conversion to H Constraint by sending a “TSO’s Constraint Notice” by email to the Network Users specifying the Constraint Start Period, the Constraint End Period, the name of the Installation Point and the remaining capacity,
* Send a new TDT to notify the Network Users of the revised hourly Confirmed Quantities at the Installation Point “QC”, if necessary.

Before the Constraint End Time, the TSO may issue a revised “TSO’s Constraint Notice” in order to modify the Constraint End Time and/or the remaining capacity.

Constraint to the Quality Conversion to H Service subscribed at a Domestic Point for Injection is obtained by applying a Constraint to the associated Entry Service in accordance with the rules set forth in the Access Code for Transmission – Attachment C.1.

The applicable Gas quality procedures for the Quality Conversion to H Services are according to provisions of the Standard Transmission Agreement and its Attachments.

### Reduction Rule

At the Installation Point “QC”, in case the Nominated Quantity is higher than the Subscribed Quality Conversion to H Capacity restricted by any rule, Quality Conversion to H Interruption, Quality Conversion to H Constraint or the Re-nomination band, TSO shall use the “lesser-of-rule principle” which means that the Confirmed Quantity shall be the lesser of all quantities .

# Allocations

The TSO calculates the Allocation in energy at the Installation Point “QC” in the H-Zone and in the L Zone to determine the amounts of Natural Gas to be allocated to the different Network Users when using Quality Conversion to H Service.

The Allocation at Installation Point “QC” is calculated using following elements:

* the Hourly Confirmed Quantities at the Installation Point “QC” at the H Zone);
* the Measured Quantities of Gas at the Installation Point “QC” at the H and L Zone;
* the Allocation Rule that determines how the Allocation is calculated.

There is no Allocation for the Quality Conversion to H Services at Domestic Points for Injection.

## **Allocation process**

The Allocation process as described in Attachment C.1 shall also be applicable for the Operating Procedures for Quality Conversion Service at Installation Point “QC”.

An OBA is by default applicable at the Installation Point “QC”.

## Reporting

The Reporting as described in Attachment C.1 shall also be applicable for the Operating Procedures for Quality Conversion Services.

# Exchanged Data

Operational data will be made available on a reasonable endeavour basis through the Electronic Data Platform.