DPM

Within Day Balancing Action

(and emergency measures)

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Version control

Version	Name	Date	Status	Distribution
2.1	DPM Within Day Balancing Action	01-03-2013	Draft	Subgroup DPM Within Day Balancing Action
2.2	DPM Within Day Balancing Action	03-04-2013	Draft	Subgroup DPM Within Day Balancing Action
2.3	DPM Within Day Balancing Action	16-04-2013	Draft	Subgroup DPM Within Day Balancing Action
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3.1	DPM Within Day Balancing Action	16-10-2013	Final For approval in ICWG and ALV-NEDU.	All
3.9	DPM Within Day Balancing Action	19-06-2020	For approval in ICWG and ALV-NEDU.	ICWG, ALV NEDU

Changes

Version	Name
2.1	○ Replace the GTS bid price ladder with the within day market (also new title of document) ○ Removal of Assistance Gas
2.2	○ Processed review comments of Sub group Within Day Balancing
2.3	○ Processed review comments of Sub group Within Day Balancing
2.4	○ Processed review comments of Sub group Within Day Balancing
2.5	○ Processed review comments of Sub group Within Day Balancing
2.6	○ Processed review comments of Sub group Within Day Balancing
3.0	○ Processed review comments of Sub group Within Day Balancing
3.1	○ Clearified timing preannouncement ○ No update of Balancing Volume with previous Balancing Orders in case SBS is in Orange or Red Zone. ○ Sharpened timeline Within Day Balancing Action
3.9	○ Introduced randomized timing of Balancing Order ○ Fixed obvious typing errors

Source documents

Name	Owner	Date	Status
Market Process Model, Market Model Wholesale Gas	ALV NEDU		Final

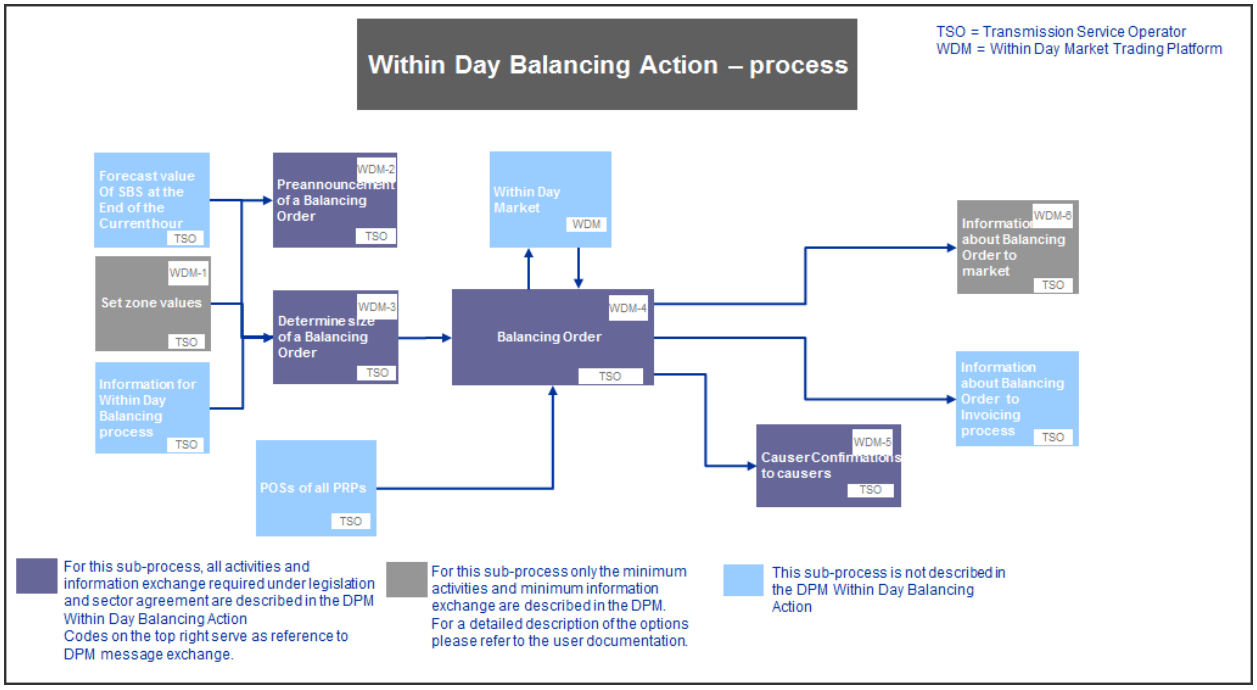
CONTENTS

1 Introduction

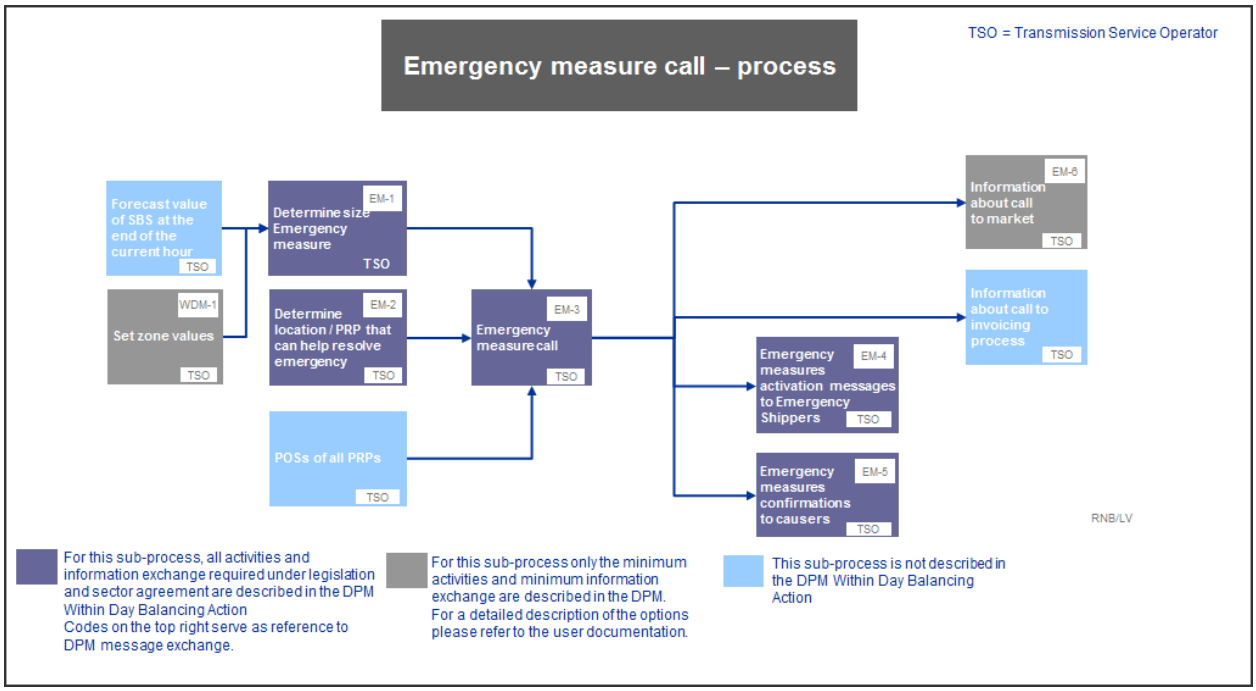
The Market Process Model (MPM) Market Model Wholesale Gas provides a global description of the processes surrounding the market model for the wholesale market for natural gas.

This Detailed Process Model (DPM) Program Process provides further detail of a Within Day Balancing Action and the consequences thereof for Program Responsible Parties (PRPs).

Aim and scope
This DPM is a further detailing of the MPM Market Model Wholesale Gas (version 3.1). The basic assumptions and definitions as described in the MPM are also applicable to the DPM and shall not be repeated in the DPM. Additional definitions and more detailed versions of MPM basic assumptions shall be included in the DPM.



The sub-processes "Forecast SBS value at the end of the hour" and "POSs of all PRPs" provide the input data for the sub-processes that are described in this DPM. The way in which these input data are determined is described in the DPM Market and Allocation.



The sub-processes "Determine scope of emergency measure" and "Determine location of PRP that can help resolve that emergency" are sub-processes performed by the LNB and are not described in any DPM.

The invoicing processes are described in the DPM Market and Allocation.

2 Basic assumptions and definitions

The MPM Market Model Wholesale Gas describes the basic assumptions and definitions for the realisation of the new market model for the wholesale market for natural gas. These basic assumptions therefore also serve as a basic assumption for the detailing of the DPM.

Basic assumptions regarding MPM as far as this DPM concerns:

Relevant network code articles as described in the MPM.

File definitions

The structure of all EDIG@S messages, in accordance with the Message Implementation Guidelines for version 4.0 and higher messages is XML syntax. This information is available from the website of the EDIG@S workgroup.
Please note that communication with a WDM Trading Platform may need other messages.

Abbreviations

DGZ - Dark Green Zone
LGZ - Light Green Zone
OZ - Orange Zone
RZ - Red Zone
CSS - Central System Steering Signal
PRP - Program Responsible Party
WDM - Within Day Market
SBS - System Balance Signal

Definitions

SBS: The prediction of the value of the SBS at the end of the current clock hour. For example, the value of the SBS at XX:15 is the prediction of the SBS for XX:60.

Transaction: an agreement concluded on the Trading Platform between two or more Trading Participants concerning an obligation to deliver or offtake natural gas and to pay or receive the agreed price.

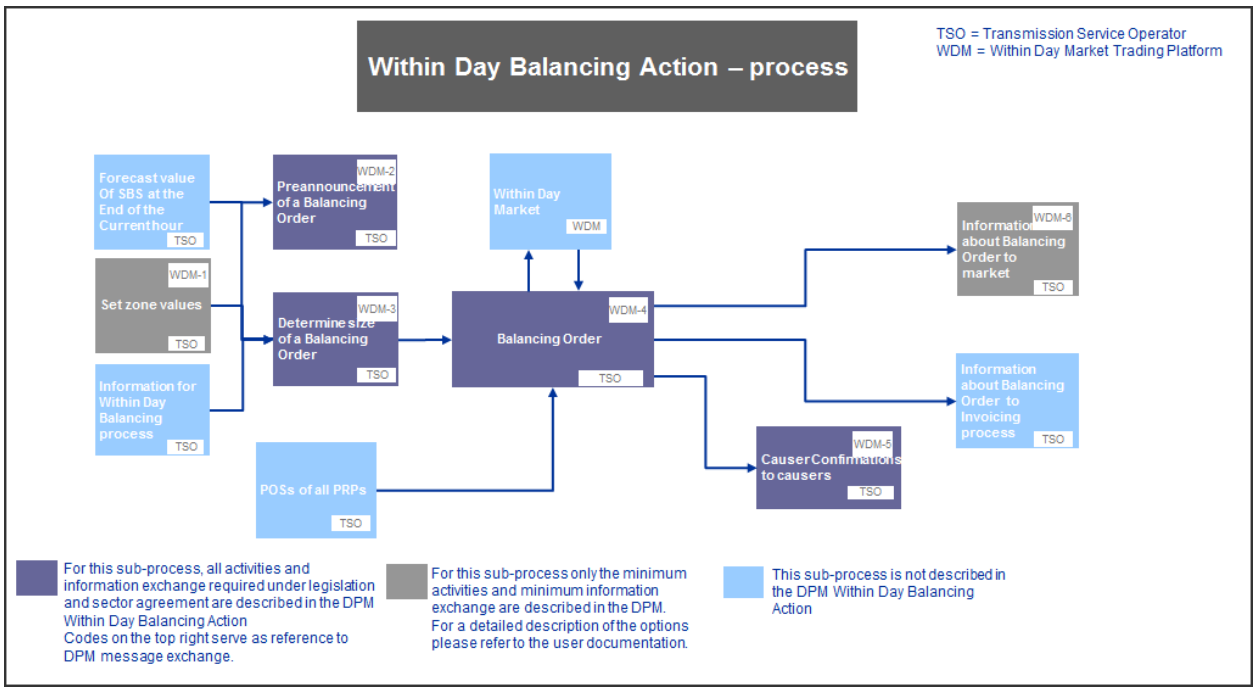
3 Overview of sub-processes

Below an overview of the sub-processes and the relationships between the sub-processes. The illustration is not intended to lay down a chronological sequence but rather to show the causal relationships between the sub-processes and the use of data originating from another sub-process.

The complete Within Day Balancing Action process in this DPM is split into two parts:

1. The determination of the required balancing volume and the submission of an Order by GTS to the Trading Platform.

2. The consequences of the Balancing Order process for the PRPs.



The dependencies between the sub-processes and the requirements regarding the elapsed time for the processes are:

- to determine whether a Within Day Balancing Action is required it is necessary to know the expected system level imbalance, which is reflected by the SBS. This is provided from the SBS sub-process from the DPM "Market and Allocation". The DPM "Market and Allocation" also describes the conditions under which a Within Day Balancing Action shall not be taken (e.g. SBS is unavailable or incorrect);
- From XX:05, every 5 minutes the value of the SBS is determined by GTS;
- When the comparison of the value of the SBS at XX:05 and/or XX:10 with the zone limits (LGZ, OZ, RZ), would lead to a Within Day Balancing Action, GTS will publish a preannouncement indicating the possibility of a Within Day Balancing Action including the provisional Updated Balancing Volume;
- The value of the SBS at XX:15 is compared again with the zone limits and based on this GTS will decide whether or not to take a Within Day Balancing Action. If so, GTS will publish the (Updated) Balancing Volume and the type of Flexible Gas product GTS will buy or sell on the WDM Trading Platform. The zone (LGZ, OZ or RZ) which the SBS will enter at XX:60 determines whether GTS will –as part of a Within Day Balancing Action- conclude Transactions on the WDM Trading Platform during a single clock hour or for the remainder of the Gas Day. GTS will conclude Transactions on the WDM Trading Platform for single hour contracts if the SBS crosses the limit between the Light Green Zone and the Orange Zone and for the remainder of the Gas Day in case the SBS crosses the limit between the Dark Green and the Light Green Zone. GTS will conclude Transactions for the remainder of the Gas Day products in case the value of the SBS increases whilst already in the Light Green Zone.
- Depending on his role and POS, a PRP receives a Causer confirmation that is used to divide the gas received from the WDM Trading Platform amongst the Causers and adjust their POS. Also, the corresponding price is included.

- for each Within Day Balancing Action, GTS publishes information about the total volume of gas bought or sold on the WDM Trading Platform (Transaction Volume), the volume weighted average price, the type of product and direction (buy/sell);

The WDBA process will lead to the following approximate implementation timelines for the involved parties:

1. GTS publishes preannouncement.
   At Xx:10 and Xx:15 GTS publishes a preannouncement indicating the possibility of a Within Day Balancing Action including a provisional Updated Balancing Volume.

2. GTS places order at a random moment between Xx:21 and Xx:22.

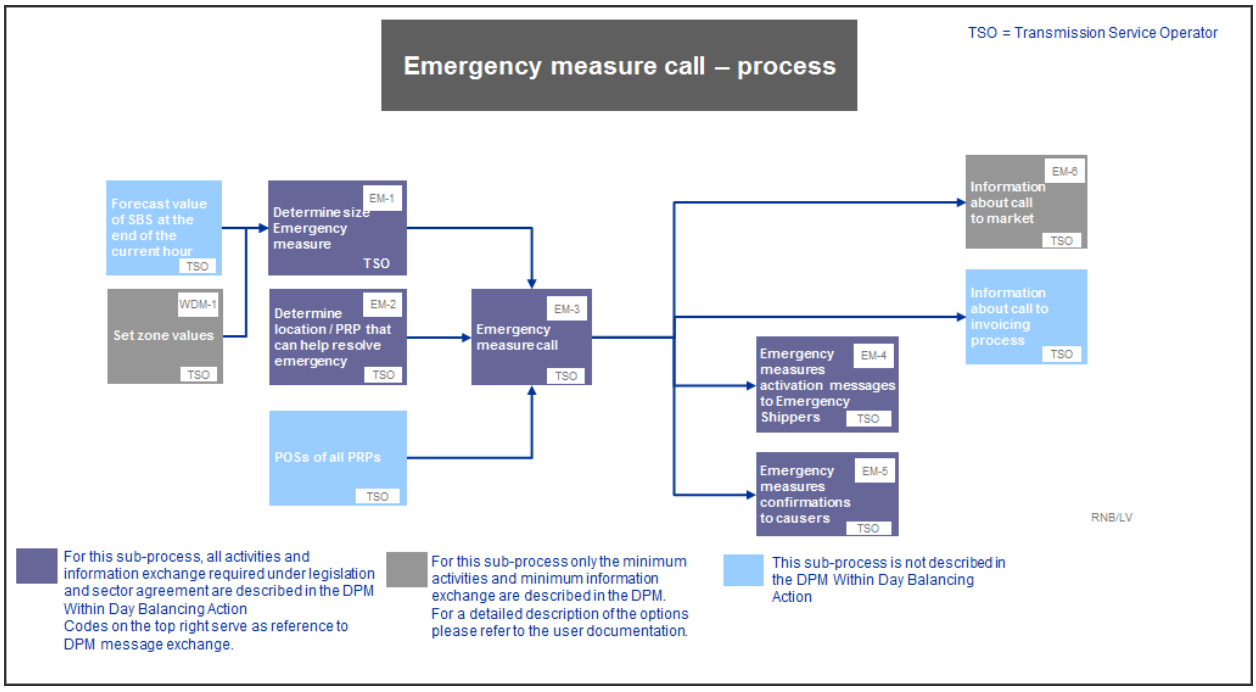
3. Market Order is processed at WDM Trading Platform instantaneously.

4. Traders involved (GTS and WDM bidders) are aware of the deal.
   Traders may re-nominate their portfolio.
   GTS is aware of the total volume delivered and will send out Causer Confirmations.

5. The WDM market closes

6. ICE sends TTF nomination to GTS
   Xx:22 – xx:30: Single sided nominations on the TTF by WDM Trading Platform Operator (nomination is normally done at the same time as step 3)

For the emergency measure call process:



To a large extent the emergency measure process runs analogous to a Within Day Balancing Action. The dependencies between the sub-processes and the requirements regarding the elapsed time for the process are:

- to determine whether an emergency measure is required it is necessary to know the expected system level imbalance. This is provided from the SBS sub-process from the DPM "Market and Allocation";
- the value of the SBS can then be compared with the pre-defined limits for the Dark Green, Light Green and Orange Zones in order to determine the need and extent of a call;

- if the expected value of the SBS ends up in the Red Zone then GTS can evaluate whether GTS will have to implement emergency measures in order to keep the system in balance;
- if the deployment of emergency measures is considered necessary then GTS shall carefully decide which measures are best to be considered for this, at which network points and shall contact the relevant PRP regarding this;
- emergency measures are only deployed when preconditions for the availability of SBS and POSs are met, and a Balancing Order does not offer an adequate solution. The creation of the POS is described in the DPM "Market and Allocation";
- each emergency measure deployment has direct consequences for the POS of all PRPs whose POS is opposed to the SBS;
- depending on his role and POS, a PRP receives a number of confirmation/activation messages that are used for deploying the emergency measures, transferring these to GTS and distributing the deployed gas amongst the Causers.
- with regard to each emergency measure deployed, GTS shall publish information about the volume deployed and the volume weighted average price, together with the reason why the emergency measure was deployed.

4 Description of the sub-processes

4.1. Set Zone values (WDM-1)

Sub-process name	Set zone values
Sub-process description	The limits of the Dark Green, Light Green and Orange Zones are determined by GTS on D-1 on the basis of the expected throughput of gas for Gas Day D. This throughput is based on the approved programs and the expectations of GTS. The zones are published between 22:00 and 23:00. The expected throughput and the size of the zones are determined on an hourly basis. The size of the buffer associated with an expected throughput acts as the input for the size of the zones. The extent of the zones is published on a public website and can be retrieved via an XML download interface. The operation of the XML download interface and the message structure is described in the DPM "Message Exchange."
Roles	GTS PRP Interested third party
Performance targets	
Pre-conditions	None
Post-conditions	None
Scenario	Data available via public website, portal and potentially XML download.
Alternative Scenarios	Data available via public website, portal and/or XML download. No alternative is provided for if both routes are unavailable. If it is not possible for GTS to update the zones between 22:00 and 23:00 due to system problems, then they shall be set no later than 04:00 at the size of the zones applicable on the previous gas day.
Special requirements	None

4.2. Preannouncement of a Balancing Order (WDM-2)

Sub-process name	Preannouncement of a Balancing Order
Sub-process description	GTS will publish a preannouncement at XX:10 (based on the market realization till XX:05) and/or at XX:15 (based on the market realization till XX:10) containing the provisional value of the SBS at XX:60, the zone which the SBS is expected to enter at the end of the current clock hour and the provisional (Updated) Balancing Volume. Note that the (Updated) Balancing Volume in the preannouncement at XX:10 and/or xx:15 is provisional and may differ from the actual (Updated) Balancing Volume. It does however provide an indication which may be used by market parties. When determining the provisional (Updated) Balancing Volume no expectations for further hours are incorporated meaning that only the limits of the zones of the current hour are examined.
Roles	GTS WDM Trading Platform PRP
Performance targets	- Recalculation every five minutes.
Pre-conditions	- A value for the SBS - Known zone limits for the current hour.
Post-conditions	
Scenario	None
Alternative Scenarios	None

Special requirements	None

4.3. Determining size of a Balancing Order (WDM-3)

Sub-process name	Determining size of a Balancing Order
Sub-process description	GTS takes a Within Day Balancing Action by placing a Balancing Order to buy or sell gas on the WDM Trading Platform if, at XX:15, the value for the SBS will be in the Light Green Zone (LGZ), Orange Zone (OZ) or Red Zone (RZ). When determining the volume of the gas to be bought or sold on the WDM Trading Platform, it is assumed that without the intervention of GTS the SBS shall remain at the same level at (the start of) the next clock hour, meaning that only the limits of the Light Green Zone (LGZ), Orange Zone (OZ) or Red Zone (RZ) of the current hour are examined. Based on the above assumptions the Balancing Volume is determined. The Balancing Volume is the difference between the SBS and the (upper or lower) limit of the DGZ. In case the SBS is in the LGZ this volume is adjusted to account for gas that has been bought or sold during previous Balancing Orders but has not yet been (fully) delivered; the Updated Balancing Volume. In case the SBS is in the OZ or RZ, there will be no adjustment, so the Updated Balancing Volume is the same as the Balancing Volume.
Roles	GTS
Performance targets	- Recalculation every five minutes.
Pre-conditions	- A value for the SBS - Known zone limits for the current hour.
Post-conditions	The Updated Balancing Volume is the input for the Balancing Order process.
Scenario	None
Alternative Scenarios	None
Special requirements	None

4.4. Balancing Order (WDM-4)

Sub-process name	Balancing Order
Sub-process description	When at XX:15 the SBS is in the LGZ and the value of the SBS has not increased in comparison to the SBS an hour earlier GTS takes no further balancing action. There are two situations that result from a Within Day Balancing Action into a Balancing Order on the WDM Trading Platform: 1. when at XX:15 the SBS is in the OZ or RZ; 2. when at XX:15 the SBS is in the Light Green Zone and the value of the SBS has increased in comparison to the SBS an hour earlier. The Balancing Order on the WDM Trading Platform will be placed at a random time: between XX:21 and XX:22 (best effort). The volume of this order is equal to the Updated Balancing Volume. GTS will submit an Order for contracts for delivery or off take of natural gas during a single clock hour ("HOUR") if the SBS crosses the limit of the Light Green Zone and Orange Zone and for contracts for the remainder of the Gas Day ("End-of-day") if the SBS crosses the limit of the Dark Green Zone and Light Green Zone. In case there are insufficient Offers available on the WDM Trading Platform to match the Updated Balancing Volume, the Balancing Volume is adjusted to the Transaction volume of that Balancing Order and GTS takes no further action. Because of the WDM Order process of the next hour the volumes bought or sold but not yet supplied are taken into account in case the SBS is in de LGZ. Any

	shortfalls or oversupply that emerge are included when determining the Balancing Volume during the next clock hour. In case the SBS is in the RZ and GTS expects insufficient effect of the Balancing Order, GTS shall deploy an emergency measure WDM Transactions are settled on the WDM Trading Platform. The price of gas to be paid or received is equal to the volume weighted average price of all Transactions relating to a single Balancing Order on the WDM Trading Platform and is the basis for the financial settlement of the Causers of the imbalance. The Causers of the imbalance are those PRPs who, at the start of the hour in which the Balancing Order on the WDM Trading Platform order took place, had a POS that was in the same direction (long/short) as the SBS. - The Transaction Volume is distributed amongst these PRPs pro rata in respect of each PRP's POS compared to the total POSs of the Causers. - These PRPs receive a confirmation message. 1. A message on the Balancing Virtual Point (BVP) which states, per hour, what volumes and prices relate to the PRP in respect of the Transaction Volume distribution. - The Transaction Volume is exchanged with GTS by means of this transaction. The exchange relates to the hour (or hours) in which the delivery or offtake of the gas starts relating to the Transaction Volume starts to flow. - This information is also imported into the invoicing process - These Causer confirmation messages are described in Confirmation (WDM-5) GTS acts as an intermediary for the Transaction Volume and is volume neutral after a Balancing Order. The portfolios of the PRPs involved are adjusted in the hours that the gas flows by means of Causer confirmations.
Roles	GTS
Performance targets	-
Pre-conditions	- POSs of all PRPs.
Post-conditions	- Transaction Volume and associated price as input for confirmations to PRPs – Causer Confirmations to Causers (WDM-5)
Scenario	None
Alternative Scenarios	None
Special requirements	None

4.5. Causer Confirmations to Causers (WDM-5)

Sub-process name	**Causer Confirmations to Causers (WDM-5)**
Sub-process description	All PRPs that are designated in the Within Day Balancing Action as Causer receive a Causer confirmation. With this confirmation the Transaction Volume is distributed amongst the Causers. These messages have the following properties: – Causer confirmations are sent by GTS in the form of EDIG@S messages of the type **CLRCON** (Type: ALS); – standard content (i.e. sender / recipient coding, use codes) is specified in the DPM "Information Exchange"; – the network point at which the Transaction Volume gas is distributed is the Balancing Virtual Point (BVP); – each message contains all required information for an entire gas day; – each new message for a gas day replaces any older message for that gas day; – each Causer confirmation contains all Causer volumes and associated settlement prices for a PRP's portfolio that have been exchanged by GTS with the PRP for that gas day.
Roles	GTS PRP

Performance targets	- Causer volumes can be assigned to PRPs at the moment that their POSs are known. For PRPs who supply into the regional network, this depends on the provision of information by the CSS. - GTS sends the Causer confirmations before the start of the next hour.
Pre-conditions	– A Balancing Order has been made
Post-conditions	- The portfolios of the Causers of imbalance shall be updated in the hours in which the supply of the Transaction Volume takes place using the volumes received form the WDM Trading Platform and at a price which is set for the order.
Scenario	Causer confirmations are sent to the PRPs via the normal communication route.
Alternative Scenarios	It is possible that, due to technical problems, Causer confirmations are not sent by GTS on time. Due to the short period of time in which the messages should be sent it is not possible for them to be sent by fax. An alternative route could be developed, however, there are no plans for this at the moment.
Special requirements	Older versions of EDIG@S (3.2 and lower) are not supported.

4.6. Information about Balancing Order to market (WDM-6)

Sub-process name	**Information about Balancing Order to the market**
Sub-process description	As soon as a Balancing Order on the WDM Trading Platform has been placed, GTS will publish the hour, volume, the direction (buy/sell) and the price of the Transaction relating to that Balancing Order. This information shall be available on the website and on the portal. Historic data relating to Balancing Orders shall be published on a public website and be available for retrieval via an XML download interface. The operation of the XML download interface and the message structure is described in the DPM "Message Exchange."
Roles	GTS PRP Interested third party
Performance targets	
Pre-conditions	None
Post-conditions	None
Scenario	Data available via public website, portal and XML download.
Alternative Scenarios	Data available via public website, portal or XML download. No alternative is provided for if both routes are unavailable.
Special requirements	None

4.7. Determining size emergency measure (EM-1)

Sub-process name	**Determining size emergency measure**
Sub-process description	If the value of the SBS is in the Red Zone, then GTS shall estimate the need to announce emergency measures. In this estimate, GTS shall consider the following aspects, amongst others: - the speed at which the SBS has entered the Red Zone; - the expected effects of a Balancing Order that GTS has made in the current hour; - the distribution of the need over the gas transmission network. The extent of the emergency measure that GTS sets in this process can deviate from that which could be expected on the basis of the position of the SBS in the RZ.

Roles	GTS
Performance targets	None
Pre-conditions	- A value for the SBS. - Known zone limits for the current hour.
Post-conditions	None
Scenario	None
Alternative Scenarios	None
Special requirements	None

4.8. Determining location/PRP that can help resolve the emergency (EM-2)

Sub-process name	Determining location /PRP that can help resolve the emergency
Sub-process description	When deploying emergency measures GTS shall maintain the following sequence: 1. deployment of any contracted resources for emergency situations; 2. binding instructions at entry points and storage facilities; 3. binding instructions at exit points; 4. suspend the WDM trigger. GTS shall select the most effective locations to be deployed as an emergency measure for resolving the emergency situation. After the locations have been determined, GTS shall distribute the deployment of emergency measures as much as possible amongst the PRPs that are active at those locations. Insofar as PRPs supply volumes in excess of their reserved capacity/capacities within the framework of an emergency measure, they do not need to subsequently reserve any capacity nor will they have to pay penalties for exceeding capacity/capacities. After the emergency is solved GTS and concerning PRPs consult about the settlement of the occurred situation.
Roles	GTS
Performance targets	None
Pre-conditions	- An expected deployment of emergency measures.
Post-conditions	None
Scenario	None
Alternative Scenarios	None
Special requirements	None

4.9. Emergency measure call (EM-3)

Sub-process name	Emergency measure call
Sub-process description	GTS shall deploy emergency measures by contacting the PRPs that are selected in the process "Determining location / PRP that can help resolve the emergency". It shall be discussed with these PRPs what volumes they have available to deploy and how quickly the deployment can take place. The price that is paid to the Emergency Shipper of deployed emergency measures will be the Neutral Gas Prices as defined in the Transportvoorwaarden Gas LNB in the current hour or the volume weighted average price of all Transactions relating to a single Balancing Order on the WDM Trading Platform. This depends on the cause of the emergency (see MPM for details). This price shall also be charged to the Causers of the imbalance. PRPs that deploy emergency measures receive an activation message for this that contains the deployed volume and the price for that volume for each location. The deployed volume is exchanged with GTS by means of this

	transaction. The PRP must take action to supply the agreed volume at the agreed location. This information is also imported into the invoicing process for processing in the Balancing Order account. These messages are described in "Emergency Measure Activations to Emergency Shipper (EM-4)". PRPs that are the Causers are: - the Causers of the imbalance are those PRPs who, at the start of the hour in which the call took place, had a POS that was in the same direction (long/short) as the SBS; - the deployed **Emergency Measure Volume** is distributed amongst these PRPs pro rata in respect of each PRP's POS compared to the total POSs of the Causers; - these PRPs receive a confirmation message on the Emergency Measure Clearing Point which states, per hour, what volumes and prices relate to the PRP involved in the **Emergency Measure Volume** distribution. - The **Emergency Measure Volume** is exchanged with GTS by means of this transaction. - This information is also imported into the invoicing process for processing in the Balancing Order account. - These messages are described in "Causer Confirmations (WDM-5)". GTS acts as an intermediary for the **Emergency Measure Volume** and on the basis of the confirmations / activations is volume neutral after the deployment of the emergency measures. The portfolios of the PRPs involved are adjusted in the hours that the gas flows by means of Causer confirmations.
Roles	GTS
Performance targets	None
Pre-conditions	- Known size of the deployment of emergency measures. - Information regarding the Emergency Shipper.
Post-conditions	- Deployed volume and associated price as input for confirmations/activations to PRPs for: – Emergency measure activations for Emergency Shippers (EM-4) – Emergency measure confirmations for Causers (EM-5)
Scenario	None
Alternative Scenarios	None
Special requirements	None

4.10. Emergency Measures Activation message to Emergency Shippers (EM-4)

Sub-process name	Emergency Measure Activation message to Emergency Shippers
Sub-process description	The PRPs that deploy emergency measures receive emergency measure activation messages. have the following properties: – Emergency Measure Activation messages are sent by GTS in the form of EDIG@S messages of the type **BIDACT**; – standard content (i.e. sender / recipient coding, use codes) is specified in the DPM "Information Exchange"; – each emergency measure activation message contains all deployed emergency measures and associated prices for a PRP's portfolio; – each deployed emergency measure is identified by its location; – under the location, GTS states the volume, associated price and direction for each hour; – each message contains all required information for an entire gas day; – each new message for a gas day replaces any older message for that gas day. In addition to this, PRPs whose resources are deployed as an emergency measure ("Emergency Shippers") receive the message stating the hours in which they exchange the deployed gas with GTS so that this can be further re-distributed amongst the Causers. These emergency measure confirmation messages to Emergency Shippers have the following properties: – these emergency measure confirmations to Emergency Shippers are sent by GTS in the form of EDIG@S messages of the type **CLRCON** (Type: ALT);

	– standard content (i.e. sender / recipient coding, use codes) is specified in the DPM "Information Exchange"; – the network point at which this gas is transferred from the Emergency Shippers to GTS is the Emergency Measure Bidder Point (NAP); – each message contains all required information for an entire gas day; – each new message for a gas day replaces any older message for that gas day; – each message contains all volumes and associated prices for a PRP's portfolio that have been exchanged with GTS in its role as Emergency Shipper. All PRPs that receive an emergency measure activation message confirm receipt of the BIDACT by return using an APERAK.
Roles	GTS PRP
Performance targets	- Emergency measure activation messages are sent out as soon as possible after GTS has reached agreement with the Emergency Shippers about the volumes and the locations. - All PRPs that receive an emergency measure activation message confirm receipt of the BIDACT by return using an APERAK. - Emergency measure confirmations to Emergency Shippers are sent out as soon as the emergency measure activation messages are ready to be sent out.
Pre-conditions	– Deployment of emergency measures.
Post-conditions	– The PRPs must ensure that the called and agreed volume of gas does actually start to flow at the agreed location. – The deployed volume is exchanged with GTS during the hours in which the emergency measure Emergency Shippers have to allow gas to flow.
Scenario	The deployment of emergency measures is coordinated and confirmed by telephone. Emergency measure activation messages are sent to the PRPs via the normal communication route and the receipt is confirmed.
Alternative Scenarios	It is possible that, due to technical problems, Emergency Measure activation messages are not sent by GTS on time. Due to the short period of time in which the messages should be sent it is not possible for them to be sent by fax. If the party that has send the message has not received an APERAK after five minutes, then that party should contact the receiving party to investigate why no APERAK has been received.
Special requirements	Older versions of EDIG@S (3.2 and lower) are not supported.

4.11. Emergency measure confirmations to causers (EM-5)

Sub-process name	Emergency measure confirmations to causers
Sub-process description	All PRPs that are designated for the deployment of emergency measures as Causer receive an emergency measure Causer confirmation. With this confirmation the **Emergency Measure Volume** is distributed amongst the Causers pro rata to their share of the imbalance. These messages have the following properties: – Emergency Measure Causer confirmations are sent by GTS in the form of EDIG@S messages of the type **CLRCON** (Type: ALT); – standard content (i.e. sender / recipient coding, use codes) is specified in the DPM "Information Exchange"; – the network point at which the emergency measures are deployed is the Emergency Measure Causer Point (NVP); – each message contains all required information for an entire gas day; – each new message for a gas day replaces any older message for that gas day; – each emergency measure Causer confirmation contains all Causer volumes and associated prices for a PRP's portfolio that have been exchanged with GTS up to and including the current hour.
Roles	GTS PRP

Performance targets	- Causer volumes can be assigned to PRPs at the moment that their POSs are known. For PRPs that supply into the regional network this depends on the timely provision of information by the CSS. - GTS sends the Causer confirmations within five minutes after all POSs are known.
Pre-conditions	– A Balancing Order was invoked.
Post-conditions	None
Scenario	Causer confirmations are sent to PRPs via the usual communication route.
Alternative Scenarios	It is possible that, due to technical problems, Causer confirmations are not sent by GTS on time. Due to the short period of time in which the messages should be sent it is not possible for them to be sent by fax. The distribution of the deployed emergency measure gas amongst the Causers takes place at a later time.
Special requirements	Older versions of EDIG@S (3.2 and lower) are not supported.

4.12. Information about order to market (EM-6)

Sub-process name	**Information about order to market**
Sub-process description	As soon as the emergency measures are deployed GTS shall communicate this to the market including the starting hour for the emergency. When doing this, GTS shall state the volume, the direction (buy / sell) the reason and the price. This information shall be available on the website and on the portal. Also, in case the emergency is solved GTS shall communicate this to the market including the hour for which the emergency has ended. Historic data relating to emergency measure deployment shall be published on a public website and are available for retrieval via an XML download interface. The operation of the XML download interface and the message structure is described in the DPM "Message Exchange." In case of data emergency GTS can decide to suspend the process, which triggers the WDM. In this case GTS shall communicate this to the market including the starting hour. It is possible that GTS deploys direction to secure net integrity. A WDM transaction is settled with the Neutral Gas Prices as defined in the Transportvoorwaarden Gas LNB in the current hour. In case data emergency is solved GTS shall communicate this to the market (including time the data emergency has ended).
Roles	GTS PRP Interested third party
Performance targets	
Pre-conditions	None
Post-conditions	None
Scenario	Data available via public website and XML download.
Alternative Scenarios	Data available via public website or XML download. No alternative is provided for if both routes are unavailable.
Special requirements	None