

SECTION

# VIII

## Message Process flow



***EASEE-gas/Edig@s Workgroup***

**Document version 2**

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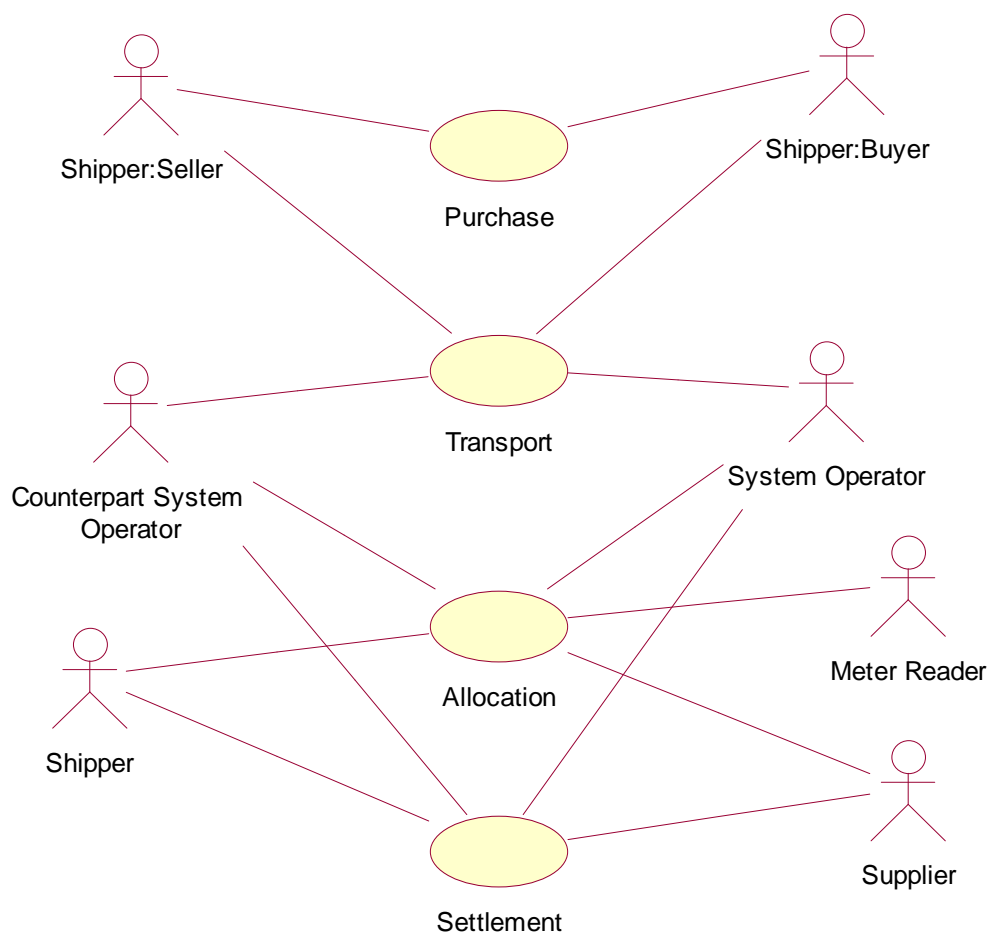
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## 1 INTRODUCTION

This document describes the process flow of the Edig@s document set. It enables readers to understand the sequence and use for which the Edig@s messages have been designed.

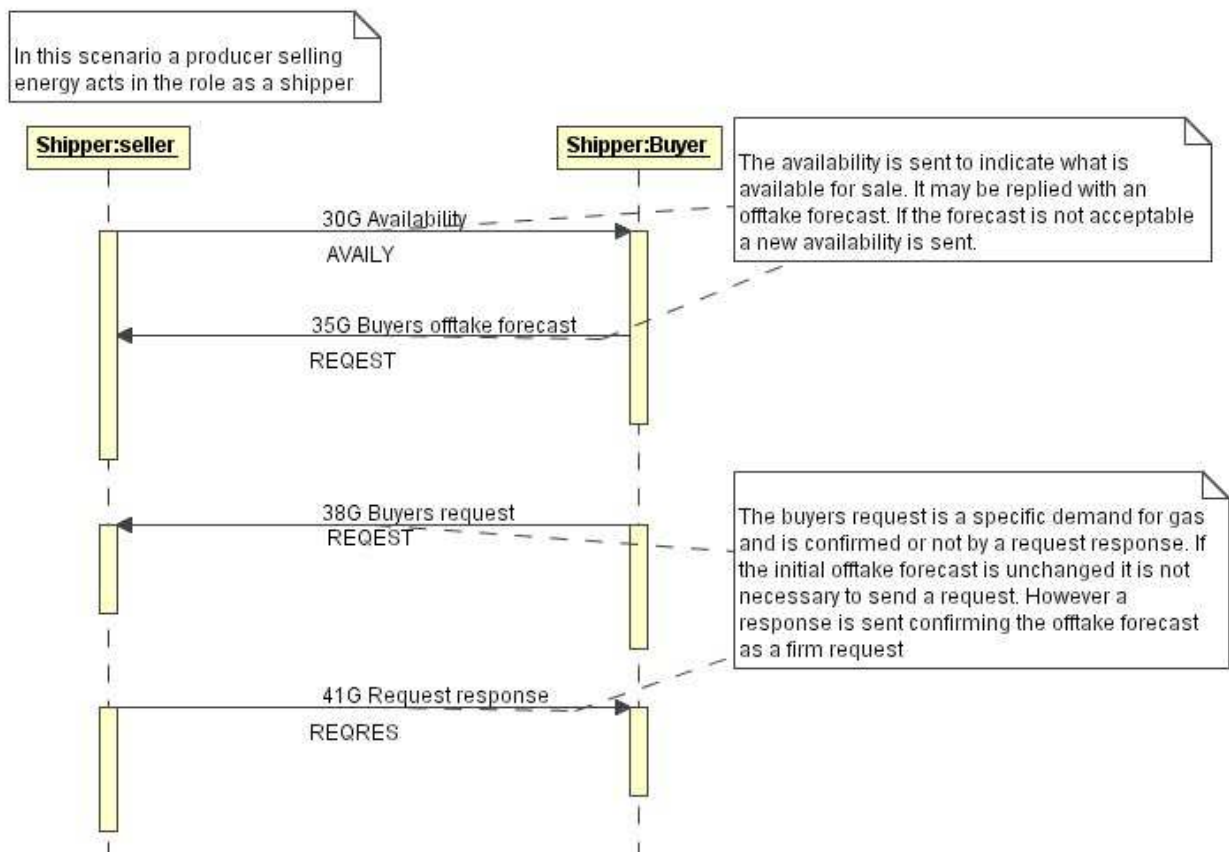
## 2 PROCESS FLOW

The Edig@s environment has been created to support the exchanges required to support four basic activities for the sale of gas in the dry gas market. These are outlined in the use case diagram below.



These four phases will be outlined in the following paragraphs with the addition of a sequence diagram to show the interactions and the Edig@s messages used in the exchanges.

### 3 THE PURCHASE PHASE



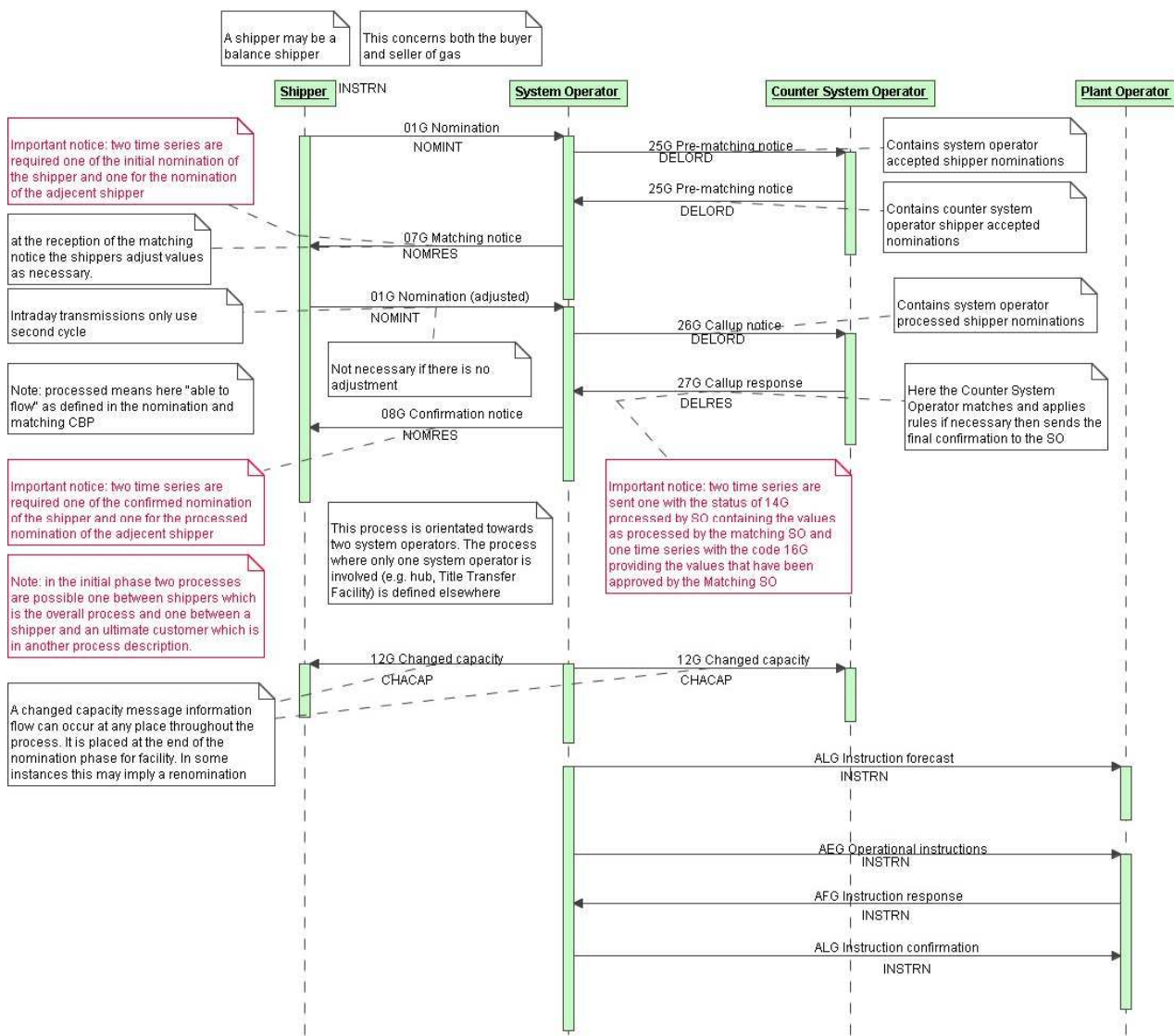
The purchasing phase may be initiated either by a shipper making available gas for sale or by a shipper who is looking for gas to purchase.

The Availability message is sent by a seller to indicate the gas that is available for sale or in the case of a sellers combination contract it identifies how much gas has to be bought. The Buyer may respond with an offtake forecast which is a provisional reservation of supply. If the offtake forecast is not acceptable then the seller resubmits a revised availability message to the buyer.

A buyer need not send an offtake forecast, but instead he may make a specific firm request for gas. In a similar fashion if a buyer has already submitted an offtake forecast and at the due date it remains unchanged it is not necessary to confirm the amounts with a specific request.

In all cases the seller sends a request response message to the buyer informing him of the amounts finally agreed.

## 4 THE TRANSPORT PHASE



The nomination of gas to be supplied for a given period is handled with a two cycled approach.

- In the first cycle the System Operators receive nominations from their shippers, exchange the shipper nominations with its adjacent System Operator and finally the System Operator inform its shippers of the present cross nominations.
- In the second cycle the shippers may rectify any anomalies in the nominations and resubmit them to the System Operators. If a nomination remains unchanged a resubmission is not necessary. The System Operator will make use of the last nomination received. The System Operators will validate the shipper nominations for System related issues before exchanging the validated nominations with the adjacent System Operator. In the case of any anomalies the System Operators apply predefined rules to align the nominations in question. The shippers are then informed of these finalised schedules.

Any renominations will use only the second cycle. In other words the Shippers do not have the opportunity to see the cross nomination but only obtain the processed and confirmed nominations.

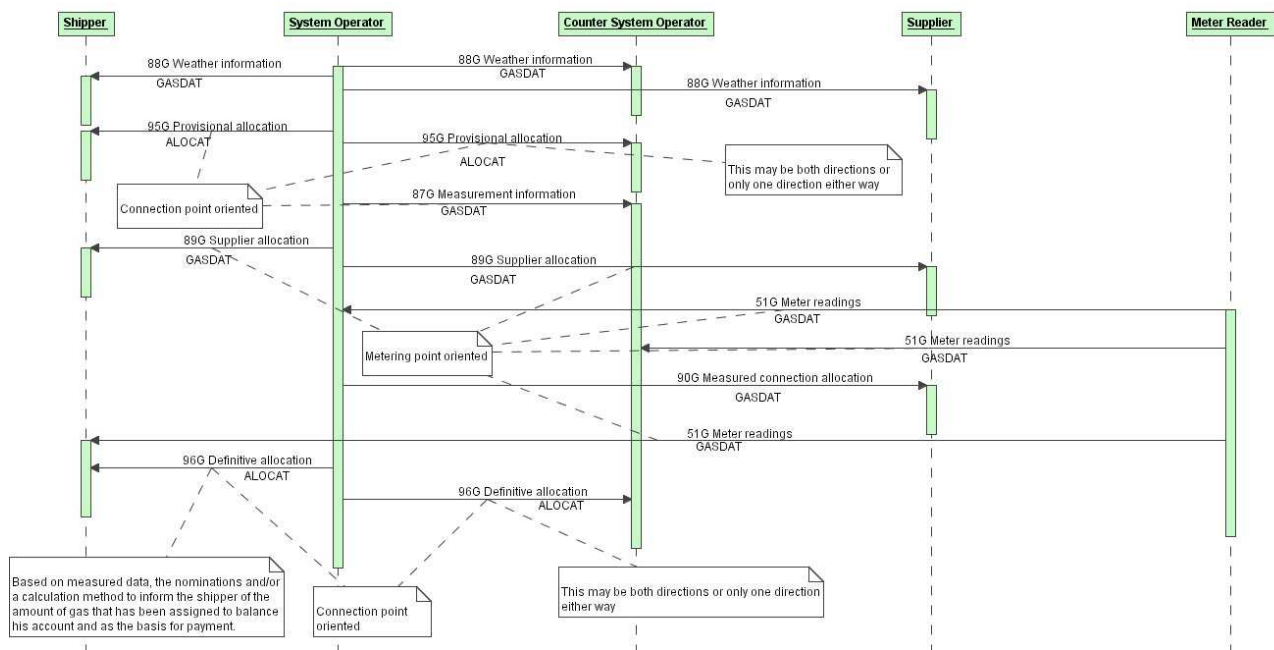
In specific cases the capacity may require to be changed. This is handled with the Changed capacity message. Such a case may happen at any time. In some cases it may be necessary to re-nominate.

Once the nominations have terminated the System Operators determine the requirements for gas to be produced by the various Plant Operators.

A System Operator may initially send a forecast of the quantity of gas to be produced through the use of an Instruction Forecast in order to enable the Plant Operator to prepare for the supply of the quantity of gas required. This initial phase may occur at any time.

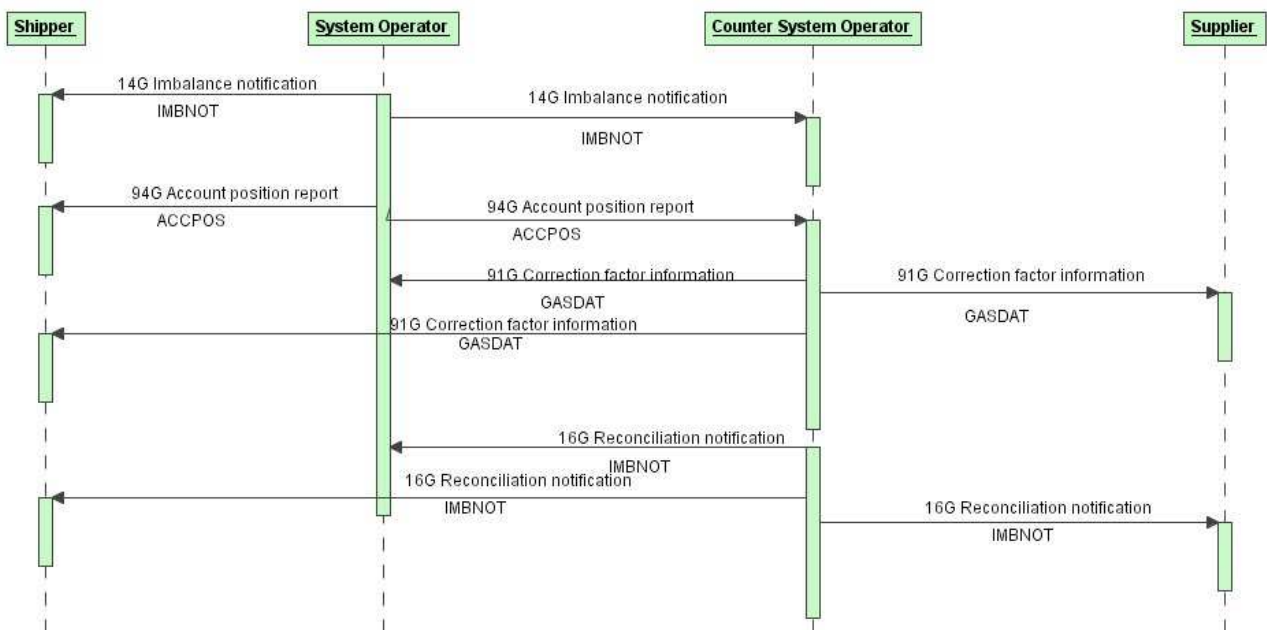
When the System Operator has determined the exact requirements an Instruction Request document is sent to the respective Plant Operators. The Plant Operators reply with an Instruction Response that may modify the quantities initially requested by the System Operator. The System Operator takes the contents of the Instruction Response into consideration and finally sends an Instruction Confirmation that confirms the quantities to be produced.

## 5 THE ALLOCATION PHASE



Once the period has terminated the System Operators inform each other as well as the shippers or suppliers of the provisional allocations that will be assigned to them. This will be complemented when the meter readings are provided and after these a definitive allocation is provided to the interested parties.

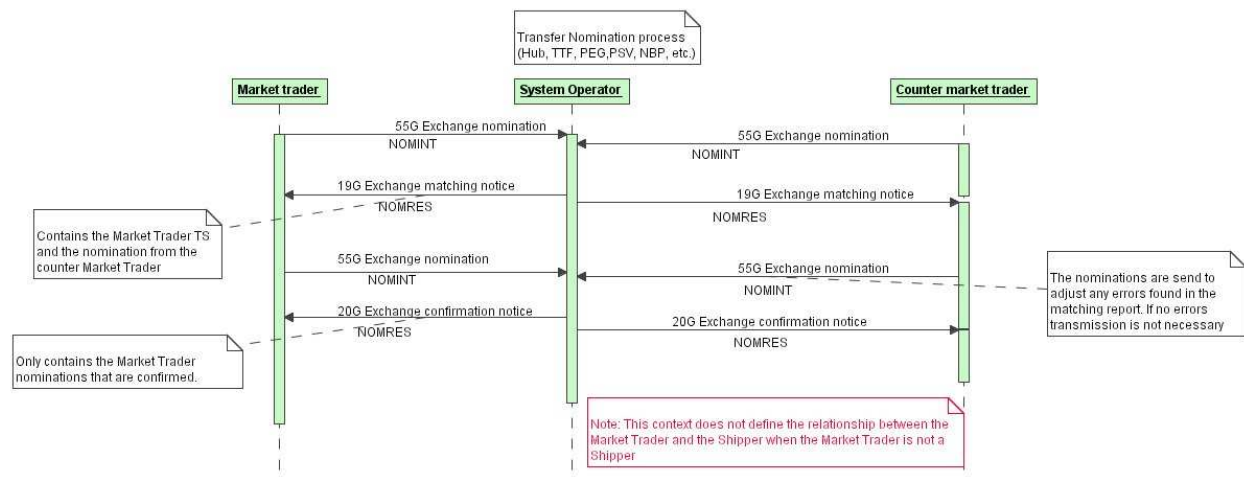
## 6 THE SETTLEMENT PHASE



The final phase in the process is the settlement phase where the System Operators provide the Shippers of a notification of any imbalances that have occurred. The deviations may be rectified and in the end of the process a final reconciliation notification is provided that ends all processing for the period.

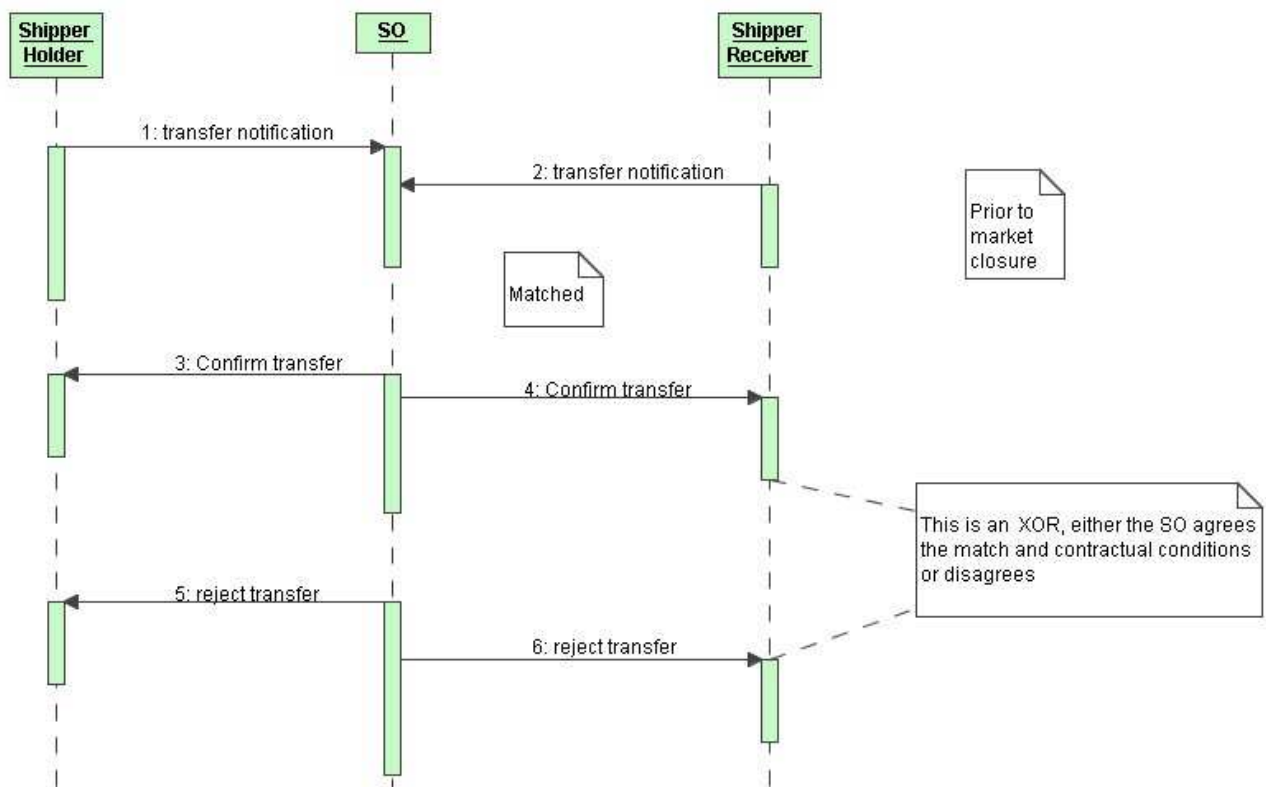


## 7 THE EXCHANGE NOMINATION PHASE



The exchange nomination phase replaces the nomination phase as previously described whenever the trader is operating through a trading place such as a Hub, TTF (Title Transfer Facility), PEG (Point d'Echange Gaz) etc..

## 8 SECONDARY CAPACITY TRADING PHASE



A shipper generally books capacity with a System Operator for a given connection point or route in respect to the local market rules. The System Operator allocates the capacity and informs the shipper of the allocation.

The secondary market process concerns the sale of this capacity to a third party and the mechanism of informing the System Operator of the transfer of these capacity rights. The System Operator in essence maintains an account for each shipper of the capacity right that he holds.

The process concerning the negotiation between the two shippers is outside the scope of this document.

The process starts when either the Holder shipper or the Receiver shipper informs the System Operator of the transfer. As soon as the System Operator receives a transfer Notification the consistency of the information is verified (e.g. account exists, codes valid, capacity available, etc.). In the case of an error the document is rejected and the shipper is informed. In the case where the document is consistent the System Operator waits for the reception of the counterpart transfer Notification.

When the two transfer Notification Documents are received they are matched using as criteria the Deal Identification (established between the two parties), the originator of the deal, the nature of the trade, the capacity container (connection point or route) and the relevant quantities and times.

In the case of a match, the System Operator transfers the capacity for one Shipper Account to the other and sends a Confirmation Document to both parties.

In the case of a mismatch, the System Operator sends a Rejection document to both parties informing them of the reason for the mismatch.

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## 9 DOCUMENT CHANGE LOG

Version	Date	Description
1	2008-04-16	Document issued
2	2009-04-27	Inclusion of the Secondary capacity trading process and the instruction process