

## Gemini API User Guide

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## Introduction

This guide has been provided to give Gemini users an overview of the API facility available in relation to the Gemini system. If you wish to make use of this service you should also refer to the Gemini and Gemini Exit API Specification Document which contains technical details on the structure of the APIs, session management, error handling etc. There is also a schema library for you to refer to.

## Gemini APIs

### What is an API?

API stands for Application Programming Interface. It's a mechanism that enables one system to interact with another system. If you have large data sets that you want to retrieve then a query via an API is often quicker than using an online screen. It also enables data to be sent from a source system to then make updates in the destination system.

### What API provision does Gemini have?

Gemini has a defined suite of APIs which can be used to query data and, in some cases, make updates. Each API maps to an online screen within Gemini or within Gemini Exit. The full list is given in the catalogue section of this User Guide.

### How do I access the Gemini APIs?

If you wish to use the Gemini APIs there are a number of activities that will need to be completed first.

#### *Access route*

The Gemini APIs are currently accessed via your IX connection however from July 2021 they will also be available over the internet. You will need to speak to your IT department to understand which route you want to use. Once you have decided you will need to configure your connection. Technical information to support this can be found in the Gemini and Gemini Exit API Specification Document.

#### *Security*

In order for you to use the Gemini APIs you will need to request an API account. This should be done via the Security Access Request form which can be found [here](#). You will need to liaise with your Local Security Officer (LSO) as any access request has to be submitted by them.

There are various User Roles covering APIs which depend on your type of organisation and which area you wish to access. Any user role with the prefix IGMS relates to Gemini and so covers Entry Capacity and Balancing related APIs. Any user role with the prefix EXIT relates to Gemini Exit and so covers Exit Capacity related APIs. Once any accounts have been set up you will need to include this in your configuration activities.

## *Source System*

You will need to develop your own API Client program. This is tooling that will trigger requests and then process responses. We don't offer API Client software however the Gemini and Gemini Exit API Specification Document contains information to assist your development work.

## *Testing*

Prior to any set up in the production system you may want to carry out some testing. We have a test environment that you can use for testing your API set up however the current Gemini change programme means we cannot guarantee availability of the environment. Information on how to book the test environment can be found [here](#).

## API Catalogue

The current catalogue consists of 43 APIs. The Gemini System Enhancements project will be adding a further 13 APIs which are scheduled to be available from 25<sup>th</sup> July 2021. Here is a list of all 56 APIs including screenshots of the corresponding online screen. The APIs you can access will depend on your organisation type.

### Entry Capacity

1. [All Active Bids](#)
2. [Bid Information Shipper View – Normal Pricing Strategy](#)
3. [Bid Capture \(New API for 2021\)](#)
4. [View Bid Information for IP Locations \(New API for 2021\)](#)
5. [Revised Entitlements](#)
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7. [Daily Auctions Summary Report – Bids/Shippers](#)
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9. [Daily Auctions Summary Report – Sold/Unsold](#)
10. [Daily Auctions Summary Report – WAP](#)
11. [Capacity Trade Details](#)
12. [Capacity Trade Registration](#)

### Exit Capacity

1. [All Active Requests](#)
2. [Capture Request \(New for 2021\)](#)
3. [Auction Request Information](#)
4. [Auction Request Information for IP Locations \(New for 2021\)](#)
5. [Entitlement Report](#)
6. [IP Exit Entitlement](#)
7. [Max/Min Price Information – Daily Auction](#)
8. [Sold/Unsold – Daily Auction](#)

9. [Transfer Registration \(New for 2021\)](#)
10. [View Transfer Registration \(New for 2021\)](#)

## *Balancing*

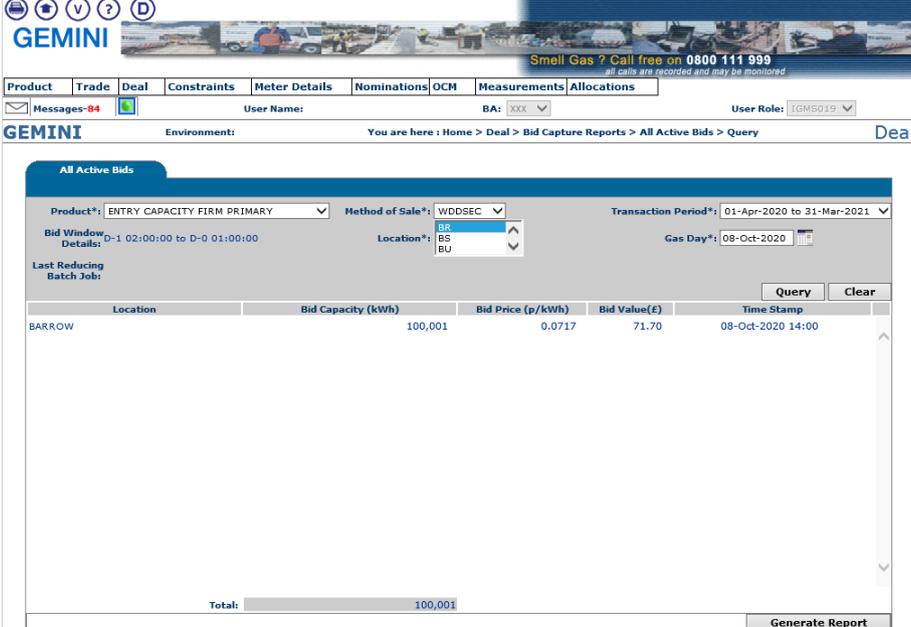
1. [Add/Update Nominations](#)
2. [Update Renominations](#)
3. [Update INS Nominations](#)
4. [Add/Update IP Nomination](#)
5. [View Renominations](#)
6. [View Renomination Details](#)
7. [View INS Nominations](#)
8. [View IP Nominations](#)
9. [Maintain OCM Renominations \(View\)](#)
10. [Maintain Physical Renominations \(Update\)](#)
11. [Shipper EOD Noms \(Hour Bar\)](#)
12. [View Allocation Details by LDZ and Meter Type \(New for 2021\)](#)
13. [System Nomination Balance](#)
14. [System Status Information](#)
15. [System Status History](#)
16. [Shipper Preliminary Balance](#)
17. [Shipper Preliminary Balance across Date Range \(New for 2021\)](#)
18. [Shipper Imbalance \(New for 2021\)](#)
19. [Shipper Total Energy Forecast](#)
20. [View Shipper UIG Values](#)
21. [View Shipper Allocation UIG Share \(New for 2021\)](#)
22. [View Shipper Input Claims \(New for 2021\)](#)
23. [Update Shipper Input Claims \(New for 2021\)](#)

24. [View Storage Output Claims](#)
25. [Update Storage Output Claims \(New for 2021\)](#)
26. [Daily Cashout Tolerance Breakdown](#)
27. [Register Physical/Locational Trades](#)
28. [Register Title Swaps](#)
29. [Gas Trades Breakdown](#)
30. [Meter to Zone Relationship](#)
31. [Price Information History](#)
32. [View WCF/SF Values](#)
33. [Confirm Multilocational Trades \(Update\)](#)
34. [View Shipper Trade Details](#)

## Entry Capacity

### All Active Bids

This API enables you to query for all active bids for an Entry Capacity auction. In line with the online screen you can query for one, some or all locations. This is not applicable to Interconnectors.



**GEMINI** Smell Gas ? Call free on 0800 111 999  
All calls are recorded and may be monitored

Product Trade Deal Constraints Meter Details Nominations OCM Measurements Allocations

Messages: 84 User Name: BA: XXX User Role: TGM5019

**GEMINI** Environment: You are here : Home > Deal > Bid Capture Reports > All Active Bids > Query Deal

**All Active Bids**

Product\*: ENTRY CAPACITY FIRM PRIMARY Method of Sale\*: WDDSEC Transaction Period\*: 01-Apr-2020 to 31-Mar-2021

Bid Window Details: D-1 02:00:00 to D-0 01:00:00 Location\*: BR BS BJ Gas Day\*: 08-Oct-2020

Last Reducing Batch Job: [Query] [Clear]

Location	Bid Capacity (kWh)	Bid Price (p/kWh)	Bid Value(£)	Time Stamp
BARROW	100,001	0.0717	71.70	08-Oct-2020 14:00

Total: 100,001 [Generate Report]

*Bid Information Shipper View – Normal Pricing Strategy*

This API enables you to query for Bid Information for an Entry Capacity auction. This shows various pieces of information for each bid including the status. In line with the online screen you can query for one, some or all locations. This is not applicable to Interconnectors.

*Bid Capture*

This is a new API which is scheduled to be available from 25<sup>th</sup> July 2021. The API will allow you to submit Bids for an Entry Capacity auction. This is not applicable to Interconnectors.

View Bid Information for IP Locations

This is a new API which is scheduled to be available from 25<sup>th</sup> July 2021. This API enables you to query for Bid Information for an Entry Capacity auction at the Interconnectors. This shows various pieces of information for each bid including the status.

**Bid Information**

BA Code\*: --XXX-- BA Abbr. Name\*: --XXX-- BA Name\*: --XXX-- Product\*: ENTRY CAPACITY INTERRUPTIBLE PRIMARY

Method of Sale\*: IPDISC Transaction Period\*: 01-Nov-2015 to 31-Mar-2016

Location\*: BI Gas Day From\*: 02-Nov-2015 To\*: 30-Mar-2016 Bid Status\*: Allocated

Loc	Sub Transaction Period	BA	Bid Capacity (kWh/day)	Min Qty. (kWh/day)	Entitlement (kWh/day)	Bid Price (p/kWh/day)	Clearing Price (p/kWh/day)
BI	02-Nov-2015 to 02-Nov-2015	XXX	1,000,008	24	1,000,008	0.00000000	0.00000000
BI	02-Nov-2015 to 02-Nov-2015	XXX	6,720,000	6,720,000	6,720,000	0.00000000	0.00000000
BI	02-Nov-2015 to 02-Nov-2015	XXX	130,080,000	24	130,080,000	0.00000000	0.00000000
BI	02-Nov-2015 to 02-Nov-2015	XXX	90,000,000	2,400,000	90,000,000	0.00000000	0.00000000
BI	03-Nov-2015 to 03-Nov-2015	XXX	1,000,008	24	1,000,008	0.00000000	0.00000000
BI	03-Nov-2015 to 03-Nov-2015	XXX	6,720,000	6,720,000	6,720,000	0.00000000	0.00000000
BI	03-Nov-2015 to 03-Nov-2015	XXX	130,080,000	24	130,080,000	0.00000000	0.00000000
BI	03-Nov-2015 to 03-Nov-2015	XXX	90,000,000	24	90,000,000	0.00000000	0.00000000
BI	03-Nov-2015 to 03-Nov-2015	XXX	30,000,000	24	30,000,000	0.00000000	0.00000000
<b>Total:</b>			<b>34,083,478,060</b>	<b>285,247,169</b>	<b>34,083,478,060</b>		

Revised Entitlements

This API enables you to query your Entry Capacity Entitlement position at one, some or all GB locations. You can query for a date range with the results shown at Gas Day level.

**Entitlements**

Product Type\*: ENTRY CAPACITY BA Code: XXX BA Abbr. Name: XXX BA Name: XXX

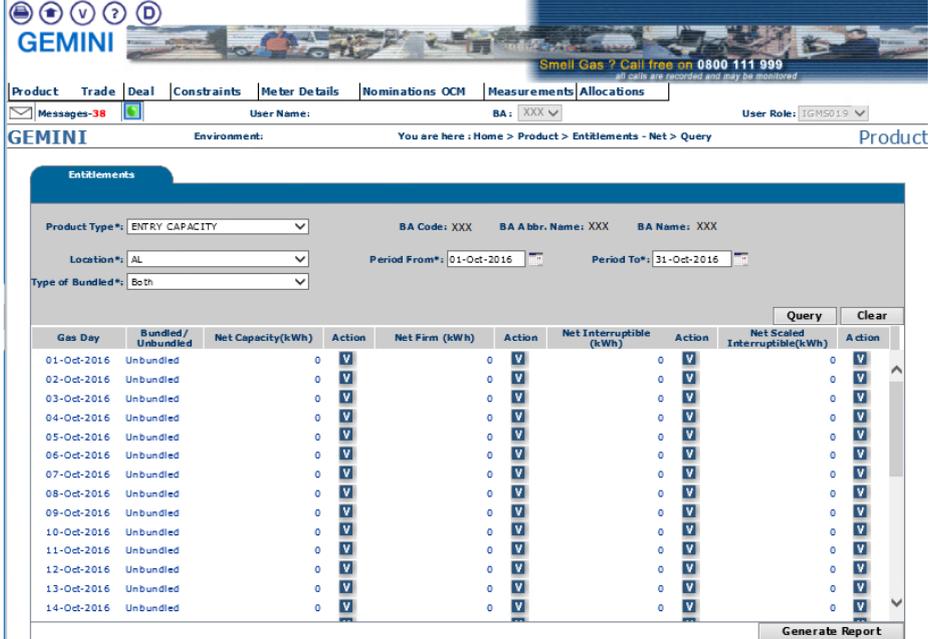
Location\*: AL Period From\*: 01-Oct-2016 Period To\*: 31-Oct-2016

Type of Bundled\*: Both

Gas Day	Bundled/Unbundled	Net Capacity(kWh)	Action	Net Firm (kWh)	Action	Net Interruptible (kWh)	Action	Net Scaled Interruptible(kWh)	Action
01-Oct-2016	Unbundled	0	V	0	V	0	V	0	V
02-Oct-2016	Unbundled	0	V	0	V	0	V	0	V
03-Oct-2016	Unbundled	0	V	0	V	0	V	0	V
04-Oct-2016	Unbundled	0	V	0	V	0	V	0	V
05-Oct-2016	Unbundled	0	V	0	V	0	V	0	V
06-Oct-2016	Unbundled	0	V	0	V	0	V	0	V
07-Oct-2016	Unbundled	0	V	0	V	0	V	0	V
08-Oct-2016	Unbundled	0	V	0	V	0	V	0	V
09-Oct-2016	Unbundled	0	V	0	V	0	V	0	V
10-Oct-2016	Unbundled	0	V	0	V	0	V	0	V
11-Oct-2016	Unbundled	0	V	0	V	0	V	0	V
12-Oct-2016	Unbundled	0	V	0	V	0	V	0	V
13-Oct-2016	Unbundled	0	V	0	V	0	V	0	V
14-Oct-2016	Unbundled	0	V	0	V	0	V	0	V

## IP Entry Entitlement

This API enables you to query your Entry Capacity Entitlement position at the Interconnectors. You can query for a date range with the results being shown at Gas Day level.



The screenshot shows the GEMINI web application interface. At the top, there are navigation tabs: Product, Trade, Deal, Constraints, Meter Details, Nominations OCM, Measurements, and Allocations. Below these are fields for Messages (38), User Name, BA (XXX), and User Role (IGM5019). The breadcrumb trail indicates the current location: Home > Product > Entitlements - Net > Query.

The main section is titled "Entitlements" and contains the following filters:

- Product Type\*: ENTRY CAPACITY
- BA Code: XXX, BA A bbr. Name: XXX, BA Name: XXX
- Location\*: AL
- Period From\*: 01-Oct-2016, Period To\*: 31-Oct-2016
- Type of Bundled\*: Both

Buttons for "Query" and "Clear" are present. Below the filters is a table with the following columns:

Gas Day	Bundled/Unbundled	Net Capacity(kWh)	Action	Net Firm (kWh)	Action	Net Interruptible (kWh)	Action	Net Scaled Interruptible(kWh)	Action
01-Oct-2016	Unbundled	0	V	0	V	0	V	0	V
02-Oct-2016	Unbundled	0	V	0	V	0	V	0	V
03-Oct-2016	Unbundled	0	V	0	V	0	V	0	V
04-Oct-2016	Unbundled	0	V	0	V	0	V	0	V
05-Oct-2016	Unbundled	0	V	0	V	0	V	0	V
06-Oct-2016	Unbundled	0	V	0	V	0	V	0	V
07-Oct-2016	Unbundled	0	V	0	V	0	V	0	V
08-Oct-2016	Unbundled	0	V	0	V	0	V	0	V
09-Oct-2016	Unbundled	0	V	0	V	0	V	0	V
10-Oct-2016	Unbundled	0	V	0	V	0	V	0	V
11-Oct-2016	Unbundled	0	V	0	V	0	V	0	V
12-Oct-2016	Unbundled	0	V	0	V	0	V	0	V
13-Oct-2016	Unbundled	0	V	0	V	0	V	0	V
14-Oct-2016	Unbundled	0	V	0	V	0	V	0	V

A "Generate Report" button is located at the bottom right of the table.

*Daily Auctions Summary Report – Bids/Shippers*

Following the completion of a daily Entry Capacity auction a number of reports are available in the system. This API enables you to query the Bids/Shippers report.

**GEMINI** Environment: You are here: Home > Product > Publish Reports > MoS Results > Bids/Shippers > Query

Product\*: ENTRY CAPACITY FIRM PRIMARY Method of Sale\*: WDDSEC Transaction Period\*: 01-Jul-2004 to 31-Mar-2005

Bid Window Details\*: D-1 02:00:00 to D-0 02:00:00 Location\*: TE TH WF

Location	Gas Day	No. Accepted Bids	Total No. of Bidding Shippers	No. of Successful Shippers
AV	19-Oct-2004	1	1	1
AV	20-Dec-2004	6	5	5
AV	21-Dec-2004	1	1	1
AV	27-Dec-2004	2	2	2
AV	28-Dec-2004	1	1	1
AV	07-Jan-2005	4	1	1
AV	24-Jan-2005	2	2	2
AV	25-Jan-2005	3	3	3
AV	26-Jan-2005	2	2	2
AV	13-Feb-2005	2	2	2
AV	14-Feb-2005	4	4	4
AV	15-Feb-2005	3	3	3
AV	16-Feb-2005	3	3	3
AV	17-Feb-2005	1	1	1
AV	21-Feb-2005	3	5	3
AV	22-Feb-2005	6	5	5
AV	23-Feb-2005	3	3	3
AV	24-Feb-2005	3	3	3
AV	25-Feb-2005	5	5	5

By Location  Aggregate  Generate Report Page 1 of 19

*Daily Auctions Summary Report – Max/Min Price Information*

Following the completion of a daily Entry Capacity auction a number of reports are available in the system. This API enables you to query the Max/Min Price Info report.

**GEMINI** Environment: You are here: Home > Product > Publish Reports > MoS Results > Max/Min Price Info > Query

Product\*: ENTRY CAPACITY FIRM PRIMARY Method of Sale\*: WDDSEC Transaction Period\*: 01-Jul-2004 to 31-Mar-2005

Bid Window Details\*: D-1 02:00:00 to D-0 02:00:00 Location\*: TE TH WF Gas Day From\*: 01-Jul-2004 To\*: 31-Mar-2005

Location	Gas Day	Max Price (p/kWh)	Min Price (p/kWh)	Volume sold at Max Price (kWh)	Volume sold at Min Price (kWh)	Timestamp Max Price	Timestamp Min Price
AV	19-Oct-2004	0.0000	0.0000	1,000,000	1,000,000	19-Oct-2004 12:33:45	19-Oct-2004 12:33:45
AV	20-Dec-2004	0.0001	0.0000	642,000	20,485,578	20-Dec-2004 20:54:15	20-Dec-2004 06:26:02
AV	21-Dec-2004	0.0000	0.0000	3,300,000	3,300,000	21-Dec-2004 06:35:26	21-Dec-2004 06:35:26
AV	27-Dec-2004	0.0000	0.0000	25,000,000	25,000,000	27-Dec-2004 23:57:59	27-Dec-2004 23:57:59
AV	28-Dec-2004	0.0000	0.0000	20,000,000	20,000,000	28-Dec-2004 06:35:50	28-Dec-2004 06:35:50
AV	07-Jan-2005	0.0000	0.0000	37,000,000	37,000,000	07-Jan-2005 06:33:41	07-Jan-2005 06:33:41
AV	24-Jan-2005	0.0000	0.0000	8,915,161	8,915,161	24-Jan-2005 06:17:59	24-Jan-2005 06:17:59
AV	25-Jan-2005	0.0000	0.0000	24,269,837	24,269,837	25-Jan-2005 06:11:35	25-Jan-2005 06:11:35
AV	26-Jan-2005	0.0000	0.0000	23,269,837	23,269,837	26-Jan-2005 06:16:49	26-Jan-2005 06:16:49
AV	13-Feb-2005	0.0001	0.0000	650,000	10,000,000	13-Feb-2005 21:18:53	13-Feb-2005 22:12:58
AV	14-Feb-2005	0.0000	0.0000	95,800,000	95,800,000	14-Feb-2005 06:24:19	14-Feb-2005 06:24:19
AV	15-Feb-2005	0.0000	0.0000	8,900,000	8,900,000	15-Feb-2005 06:04:42	15-Feb-2005 06:04:42
AV	16-Feb-2005	0.0000	0.0000	9,998,040	9,998,040	16-Feb-2005 06:08:12	16-Feb-2005 06:08:12
AV	17-Feb-2005	0.0000	0.0000	4,500,000	4,500,000	17-Feb-2005 06:28:43	17-Feb-2005 06:28:43
AV	21-Feb-2005	0.0000	0.0000	87,711,328	87,711,328	21-Feb-2005 02:13:49	21-Feb-2005 02:13:49

By Location  Aggregate  Generate Report Page 1 of 19

*Daily Auctions Summary Report – Sold/Unsold*

Following the completion of a daily Entry Capacity auction a number of reports are available in the system. This API enables you to query the Sold/Unsold report.

**GEMINI** Smell Gas ? Call free on 0800 111 999

Product: ENTRY CAPACITY FIRM PRIMARY Method of Sale: WDDSEC Transaction Period: 01-Jul-2004 to 31-Mar-2005

Bid Window Details: D-1 02:00:00 to D-0 02:00:00 Location: TE TH WF Period From: 01-Jul-2004 Period To: 31-Mar-2005

Location	Gas Day	Quantity Sold (kWh)	Revenue (£)	Amount offered for sale (kWh)
AV	01-Jul-2004	0	0.00	148,000,000
AV	02-Jul-2004	0	0.00	148,000,000
AV	03-Jul-2004	0	0.00	148,000,000
AV	04-Jul-2004	0	0.00	148,000,000
AV	05-Jul-2004	0	0.00	148,000,000
AV	06-Jul-2004	0	0.00	148,000,000
AV	07-Jul-2004	0	0.00	148,000,000
AV	08-Jul-2004	0	0.00	148,000,000
AV	09-Jul-2004	0	0.00	148,000,000
AV	10-Jul-2004	0	0.00	148,000,000
AV	11-Jul-2004	0	0.00	148,000,000
AV	12-Jul-2004	0	0.00	148,000,000
AV	13-Jul-2004	0	0.00	148,000,000
AV	14-Jul-2004	0	0.00	148,000,000
AV	15-Jul-2004	0	0.00	148,000,000
AV	16-Jul-2004	0	0.00	148,000,000
AV	17-Jul-2004	0	0.00	148,000,000
...	...	0	0.00	148,000,000

By Location  Aggregate  Generate Report Page 1 of 50

*Daily Auctions Summary Report – WAP*

Following the completion of a daily Entry Capacity auction a number of reports are available in the system. This API enables you to query the Weight Average Price (WAP) report.

**GEMINI** Smell Gas ? Call free on 0800 111 999

Product: ENTRY CAPACITY FIRM PRIMARY Method of Sale: WDDSEC Transaction Period: 01-Jul-2004 to 31-Mar-2005

Bid Window Details: D-1 02:00:00 to D-0 02:00:00 Location: TE TH WF Period From: 01-Jul-2004 Period To: 31-Mar-2005

Location	Gas Day	Weighted Avg. Price (p/kWh)	WAP of top 50% of Allocated Quantity (p/kWh)
AV	19-Oct-2004 to 19-Oct-2004	0.0000	0.0000
AV	20-Dec-2004 to 20-Dec-2004	0.0000	0.0000
AV	21-Dec-2004 to 21-Dec-2004	0.0000	0.0000
AV	27-Dec-2004 to 27-Dec-2004	0.0000	0.0000
AV	28-Dec-2004 to 28-Dec-2004	0.0000	0.0000
AV	07-Jan-2005 to 07-Jan-2005	0.0000	0.0000
AV	24-Jan-2005 to 24-Jan-2005	0.0000	0.0000
AV	25-Jan-2005 to 25-Jan-2005	0.0000	0.0000
AV	26-Jan-2005 to 26-Jan-2005	0.0000	0.0000
AV	13-Feb-2005 to 13-Feb-2005	0.0000	0.0000
AV	14-Feb-2005 to 14-Feb-2005	0.0000	0.0000
AV	15-Feb-2005 to 15-Feb-2005	0.0000	0.0000
AV	16-Feb-2005 to 16-Feb-2005	0.0000	0.0000
AV	17-Feb-2005 to 17-Feb-2005	0.0000	0.0000
AV	21-Feb-2005 to 21-Feb-2005	0.0000	0.0000
AV	22-Feb-2005 to 22-Feb-2005	0.0000	0.0000

By Location  Aggregate  Generate Report Page 1 of 19

Capacity Trade Details

This API enables you to query Entry Capacity Trades that you have registered on the system.

The screenshot shows the 'Trade Details' page in the GEMINI system. It includes a navigation menu at the top with options like Product, Trade, Deal, Constraints, Meter Details, Nominations OCM, Measurements, and Allocations. Below the menu, there are search filters for Product Type (ENTRY CAPACITY), Service Type (FIRM), BA (XXX), Location, and Period. A table lists trade details with columns: Select, Location, Selling BA, Buying BA, Period From, Period To, Trade Qty (kWh), Trade Price (p/kWh), Time Of Registration, Trade Reference, Status, and Action. The table contains 10 rows of trade data. At the bottom, there are buttons for Add, Withdraw, Confirm, Reject, and View, along with a page indicator 'Page 1 of 58'.

Select	Location	Selling BA	Buying BA	Period From	Period To	Trade Qty (kWh)	Trade Price (p/kWh)	Time Of Registration	Trade Reference	Status	Action
<input type="radio"/>	BU	XXX	XXX	31-Oct-2018	31-Oct-2018	5,000,000	0.0000	31-Oct-2018 11:05:08 PM	1197296	CON	
<input type="radio"/>	BU	XXX	XXX	31-Oct-2018	31-Oct-2018	500,000	0.0000	01-Nov-2018 12:38:28 AM	1197304	CON	
<input type="radio"/>	SF	XXX	XXX	31-Oct-2018	31-Oct-2018	5,000,000	0.0000	31-Oct-2018 08:49:52 PM	1197288	CON	
<input type="radio"/>	SF	XXX	XXX	31-Oct-2018	31-Oct-2018	5,000,000	0.0000	31-Oct-2018 11:04:45 PM	1197295	CON	
<input type="radio"/>	BU	XXX	XXX	31-Oct-2017	31-Oct-2017	5,000,000	0.0000	01-Nov-2017 12:13:37 AM	1188678	CON	
<input type="radio"/>	TE	XXX	XXX	31-Oct-2017	31-Oct-2017	9,085,201	0.0000	31-Oct-2017 05:29:04 PM	1188666	CON	
<input type="radio"/>	BU	XXX	XXX	31-Oct-2016	31-Oct-2016	29,307,100	0.0000	31-Oct-2016 11:25:52 PM	1178943	CON	
<input type="radio"/>	TE	XXX	XXX	31-Oct-2016	31-Oct-2016	7,033,704		31-Oct-2016 05:47:33 PM	1178937	CON	
<input type="radio"/>	MH	XXX	XXX	31-Oct-2015	01-Nov-2015	31,315,000		26-Oct-2015 04:05:17 PM	1168448	CON	

Capacity Trade Registration

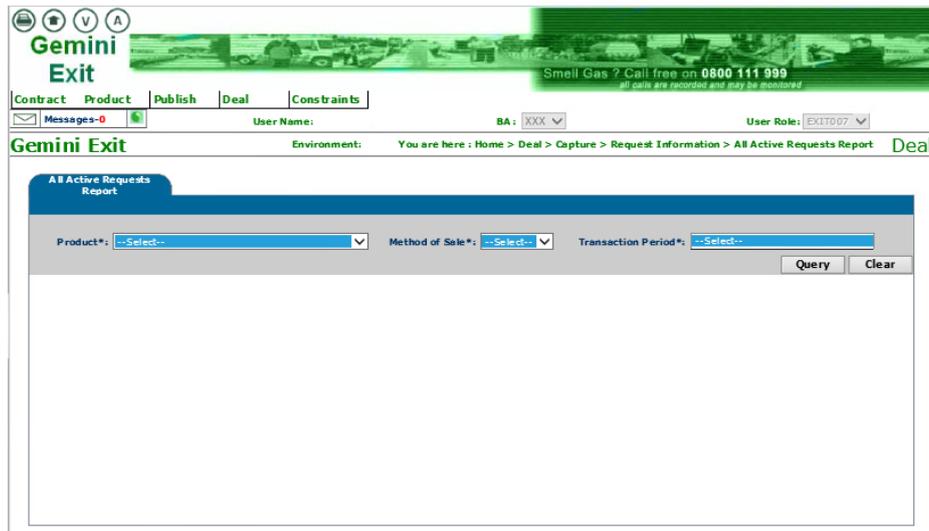
This API enables you to register an Entry Capacity Trade in the system.

The screenshot shows the 'Trade Registration' page in the GEMINI system. It features a form with the following fields: Selling BA (XXX), Buying BA (dropdown), Product Type (dropdown), Service Type (dropdown), Period From (calendar), Period To (calendar), Trade Quantity (kWh) (input), Trade Price (p/kWh) (input), Contact Name (input), and Contact Number (input). There are 'Save', 'Cancel', and 'Clear' buttons at the bottom right.

## Exit Capacity

### All Active Requests

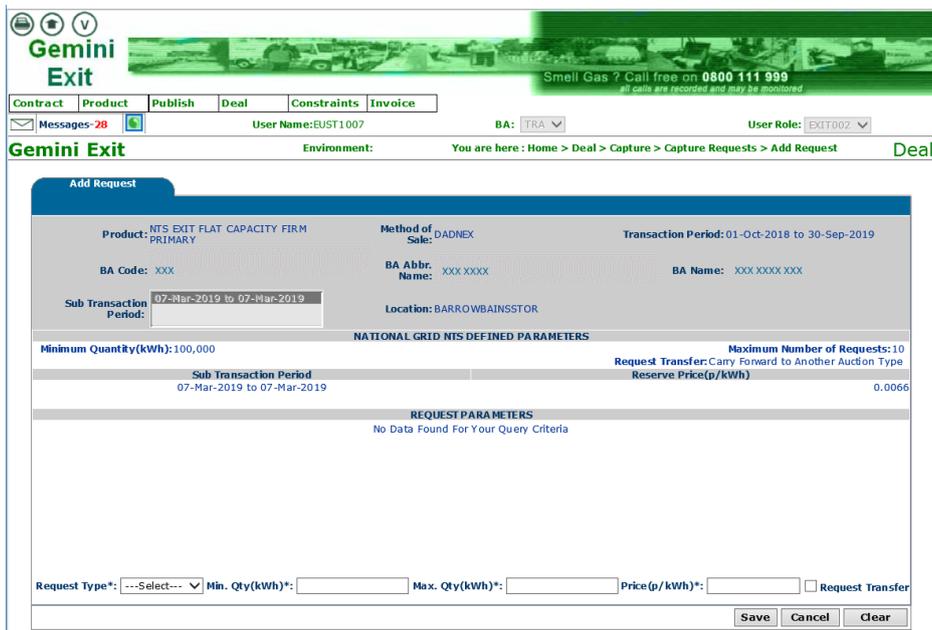
This API enables you to query for all active requests for an Exit Capacity Daily auction. In line with the online screen you can query for one, some or all locations. This is not applicable to Interconnectors.



The screenshot displays the Gemini Exit web application interface. At the top, there is a navigation menu with tabs for Contract, Product, Publish, Deal, and Constraints. Below this, there are fields for Messages (0), User Name, BA (XXX), and User Role (EXIT007). The main content area is titled "All Active Requests Report" and features a form with three dropdown menus: Product\*, Method of Sale\*, and Transaction Period\*. The form also includes "Query" and "Clear" buttons.

## Capture Request

This is a new API which is scheduled to be available from 25<sup>th</sup> July 2021. The API will allow you to submit Requests for an Exit Capacity application/auction. This is not applicable to Interconnectors.



The screenshot shows the 'Add Request' page in the Gemini Exit system. The interface includes a navigation bar with tabs for Contract, Product, Publish, Deal, Constraints, and Invoice. Below this, there are fields for Messages (28), User Name (EUST1007), BA (TRA), and User Role (EXIT002). The breadcrumb trail indicates the user is in 'Home > Deal > Capture > Capture Requests > Add Request'. The main form area contains the following details:

- Product:** NTS EXIT FLAT CAPACITY FIRM PRIMARY
- Method of Sale:** DADNEX
- Transaction Period:** 01-Oct-2018 to 30-Sep-2019
- BA Code:** XXX
- BA Abbr. Name:** XXX XXXX
- BA Name:** XXX XXXX XXX
- Sub Transaction Period:** 07-Mar-2019 to 07-Mar-2019
- Location:** BARROWBAINSTOR

Below these details is a section for 'NATIONAL GRID NTS DEFINED PARAMETERS':

<b>Minimum Quantity(kWh):</b> 100,000	<b>Maximum Number of Requests:</b> 10
<b>Sub Transaction Period:</b> 07-Mar-2019 to 07-Mar-2019	<b>Request Transfer:</b> Carry Forward to Another Auction Type
	<b>Reserve Price(p/kWh):</b> 0.0066

A 'REQUEST PARAMETERS' section follows, displaying the message: 'No Data Found For Your Query Criteria'. At the bottom of the form, there are input fields for 'Request Type\*' (a dropdown menu), 'Min. Qty(kWh)\*', 'Max. Qty(kWh)\*', and 'Price(p/kWh)\*', along with a 'Request Transfer' checkbox. 'Save', 'Cancel', and 'Clear' buttons are located at the bottom right of the form.

*Auction Request Information*

This API enables you to query for Request Information for an Exit Capacity Daily auction. This shows various pieces of information for each request including the status. In line with the online screen you can query for one, some or all locations. This is not applicable to Interconnectors.

**Gemini Exit**  
Smell Gas ? Call free on 0800 111 999  
all calls are recorded and may be monitored

Contract Product Publish Deal Constraints  
Messages: 0 User Name: BA: XXX User Role: EXIT007

**Gemini Exit** Environment: You are here : Home > Deal > Capture > Request Information > Auction Request Information Report > Query Deal

**Auction Request Information Report**

BA Code: XXX BA Abbr.Name: XXX BA Name: XXX Product: NTS EXIT FLAT CAPACITY FIRM PRIMARY  
Method of Sale: WDDNEX Transaction Period: 01-Oct-2012 to 30-Sep-2013 Request Window Period: D-1 14:0:00 to D-0 0:0:00  
Location: ALR.DENNOT ALR.DR.OUGHSTOR ALR.EW.ASEMOT ALR.EW.ASWHOT Period From: 01-Oct-2012 Period To: 30-Sep-2013 Request Status: Allocated New  
Query Clear

Location	Sub Transaction Period	BA Code	Maximum Requested Capacity (kWh)	Minimum Requested Capacity (kWh)	Allocated Capacity (kWh)	Flow Start Time	Request Type
BACTONENT	30-Jun-2013 to 30-Jun-2013	XXX	22,000,000	22,000,000	22,000,000	10:00:00	Evergreen
BACTONENT	26-Sep-2013 to 26-Sep-2013	XXX	1,000,000	100,000	1,000,000	20:00:00	Evergreen

Total(kWh): 23,000,000 22,100,000 23,000,000  
Generate Report

**Auction Request Information for IP Locations**

This is a new API which is scheduled to be available from 25<sup>th</sup> July 2021. This API enables you to query for Request Information for an Exit Capacity auction at the Interconnectors. This shows various pieces of information for each request including the status.

**Entitlement Report**

This API enables you to query your Exit Capacity Entitlement position at one, some or all GB locations. You can query for a date range with the results shown at Gas Day level.

## IP Exit Entitlement

This API enables you to query your Exit Capacity Entitlement position at the Interconnectors. You can query for a date range with the results shown at Gas Day level.



**Gemini Exit**

Contract Product Publish Deal Constraints

Messages: 0 User Name: BA: XXXX User Role: EXIT007

**Gemini Exit** Environment: You are here: Home > Publish > Reports > User Reports > Entitlement Report > Query Publish

**Entitlements**

Product Type: NTS EXIT FLAT CAPACITY Business Associate: XXXX  
 Location: BACTONMENT Period From: 01-Jan-2010 Period To: 31-Jan-2020  
 Type of Bundled: Both

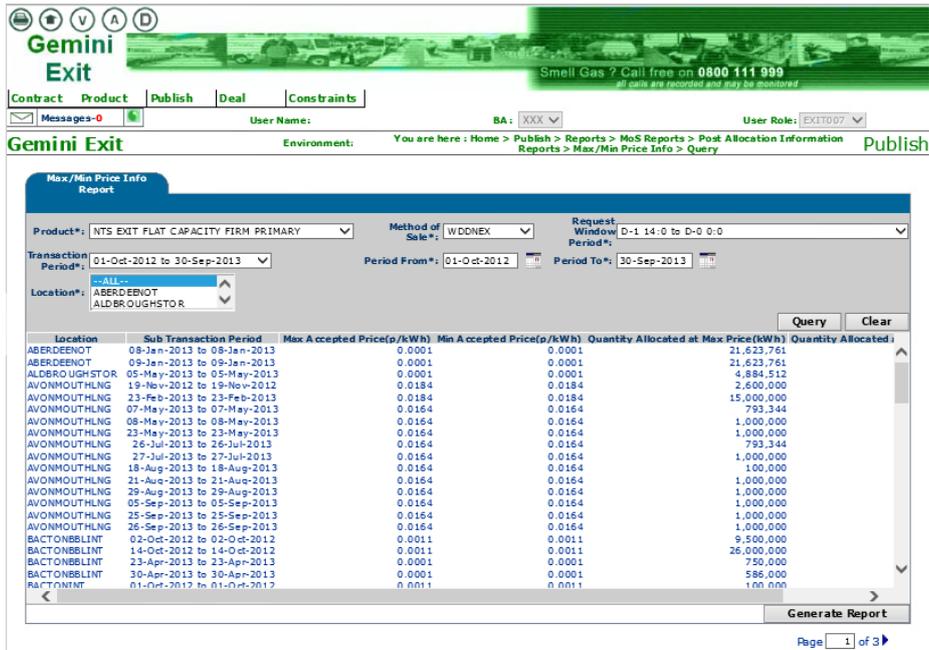
Gas Day	Bundled / Unbundled	Net Capacity (kWh)	Action	Net Firm (kWh)	Action	Original Off-peak (kWh)
05-Jun-2013	N.A	20,000,000	V	0	V	20,000,000
06-Jun-2013	N.A	20,000,000	V	0	V	20,000,000
07-Jun-2013	N.A	20,000,000	V	0	V	20,000,000
08-Jun-2013	N.A	20,000,000	V	0	V	20,000,000
09-Jun-2013	N.A	20,000,000	V	0	V	20,000,000
10-Jun-2013	N.A	20,000,000	V	0	V	20,000,000
11-Jun-2013	N.A	25,000,000	V	0	V	25,000,000
27-Jun-2013	N.A	20,000,000	V	0	V	20,000,000
28-Jun-2013	N.A	25,000,000	V	0	V	25,000,000
29-Jun-2013	N.A	25,000,000	V	0	V	25,000,000
30-Jun-2013	N.A	37,000,000	V	37,000,000	V	0
01-Jul-2013	N.A	22,000,000	V	0	V	22,000,000

Note: The Capacity displayed may be subject to Demonstration

Generate Report Page 1 of 2

## Max/Min Price Information – Daily Auction

Following the completion of a daily Exit Capacity auction a number of reports are available in the system. This API enables you to query the Max/Min Price Info report.



**Gemini Exit**

Contract Product Publish Deal Constraints

Messages: 0 User Name: BA: XXXX User Role: EXIT007

**Gemini Exit** Environment: You are here: Home > Publish > Reports > MoS Reports > Post Allocation Information Reports > Max/Min Price Info > Query Publish

**Max/Min Price Info Report**

Product: NTS EXIT FLAT CAPACITY FIRM PRIMARY Method of Sale: WDDNEX Request Window: D-1 14:0 to D-0 0:0  
 Transaction Period: 01-Oct-2012 to 30-Sep-2013 Period From: 01-Oct-2012 Period To: 30-Sep-2013  
 Location: ABERDEENOT ALDBROUGHSTOR

Location	Sub Transaction Period	Max Accepted Price(p/kWh)	Min Accepted Price(p/kWh)	Quantity Allocated at Max Price(kWh)	Quantity Allocated
ABERDEENOT	09-Jan-2013 to 09-Jan-2013	0.0001	0.0001	21,623,761	21,623,761
ALDBROUGHSTOR	05-May-2013 to 05-May-2013	0.0001	0.0001	4,884,512	4,884,512
AVONMOUTH LNG	19-Nov-2012 to 19-Nov-2012	0.0184	0.0184	2,800,000	2,800,000
AVONMOUTH LNG	23-Feb-2013 to 23-Feb-2013	0.0184	0.0184	15,000,000	15,000,000
AVONMOUTH LNG	07-May-2013 to 07-May-2013	0.0164	0.0164	793,344	793,344
AVONMOUTH LNG	08-May-2013 to 08-May-2013	0.0164	0.0164	1,000,000	1,000,000
AVONMOUTH LNG	23-May-2013 to 23-May-2013	0.0164	0.0164	1,000,000	1,000,000
AVONMOUTH LNG	26-Jul-2013 to 26-Jul-2013	0.0164	0.0164	793,344	793,344
AVONMOUTH LNG	27-Jul-2013 to 27-Jul-2013	0.0164	0.0164	1,000,000	1,000,000
AVONMOUTH LNG	18-Aug-2013 to 18-Aug-2013	0.0164	0.0164	100,000	100,000
AVONMOUTH LNG	21-Aug-2013 to 21-Aug-2013	0.0164	0.0164	1,000,000	1,000,000
AVONMOUTH LNG	29-Aug-2013 to 29-Aug-2013	0.0164	0.0164	1,000,000	1,000,000
AVONMOUTH LNG	05-Sep-2013 to 05-Sep-2013	0.0164	0.0164	1,000,000	1,000,000
AVONMOUTH LNG	25-Sep-2013 to 25-Sep-2013	0.0164	0.0164	1,000,000	1,000,000
AVONMOUTH LNG	26-Sep-2013 to 26-Sep-2013	0.0164	0.0164	1,000,000	1,000,000
BACTONBLLINT	02-Oct-2012 to 02-Oct-2012	0.0011	0.0011	9,500,000	9,500,000
BACTONBLLINT	14-Oct-2012 to 14-Oct-2012	0.0011	0.0011	26,000,000	26,000,000
BACTONBLLINT	23-Apr-2013 to 23-Apr-2013	0.0001	0.0001	750,000	750,000
BACTONBLLINT	30-Apr-2013 to 30-Apr-2013	0.0001	0.0001	586,000	586,000
BACTONBLLINT	01-Oct-2012 to 01-Oct-2012	0.0011	0.0011	100,000	100,000

Generate Report Page 1 of 3

*Sold/Unsold – Daily Auction*

Following the completion of a daily Exit Capacity auction a number of reports are available in the system. This API enables you to query the Sold/Unsold report.

*Transfer Registration*

This is a new API which is scheduled to be available from 25<sup>th</sup> July 2021. This API enables you to register an Exit Capacity Transfer in the system.

*View Transfer Registration*

This is a new API which is scheduled to be available from 25<sup>th</sup> July 2021. This API enables you to query Exit Capacity Transfers that you have registered on the system.

**Gemini Exit**

Smell Gas ? Call free on 0800 111 999  
all calls are recorded and may be monitored

Contract Product Publish Deal Constraints

Messages: 440 User Name: BA: User Role: EXIT007

**Gemini Exit** Environment: You are here : Home > Deal > Transfer > Transfer Registration > Query Deal

**Transfer Registration Query**

Product\*: NTS EXIT FLAT CAPACITY FIRM PRIMARY  
 BA Short Code: XXX Abbreviated BA Name: XXXXXXXX BA Name: XXXXXXXXXXXX  
 Location: --ALL-- Status: --ALL--  
 Period From\*: 01-Jan-2018 Period To\*: 31-Jan-2020 Transfer Reference ID:

Query Clear

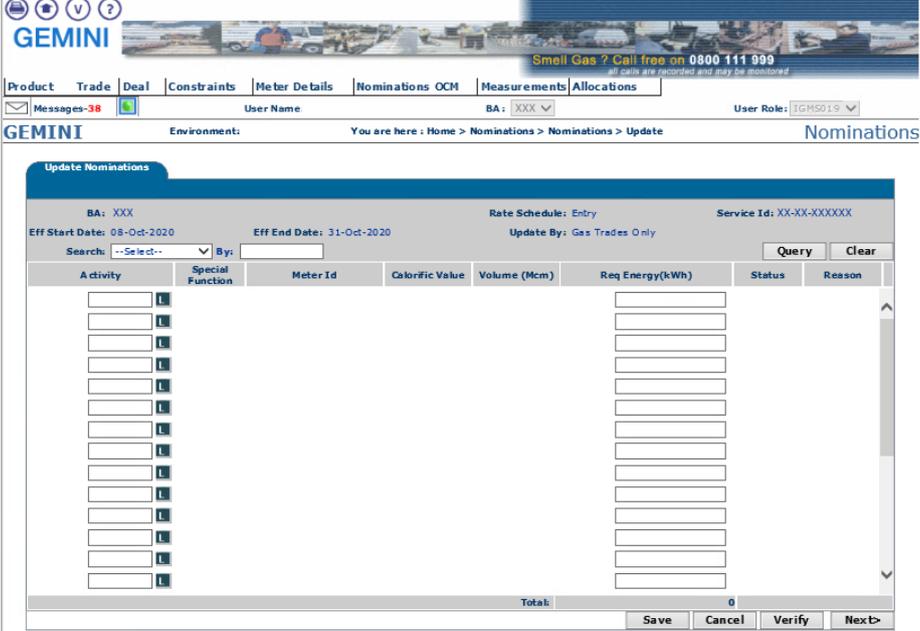
Select	Transfer Reference ID	Location	Transferor BA	Transferee BA	Period From	Period To	Transfer Quantity (kWh)	Ti
<input type="radio"/>	2370	STALLINGBORPS	XXX	XXX	13-Apr-2018	30-Apr-2018	52,700,000	
<input type="radio"/>	2369	LANGAGEPS	XXX	XXX	13-Apr-2018	30-Apr-2018	31,700,000	

Add Withdraw Accept Generate Report

## Balancing

### Add/Update Nominations

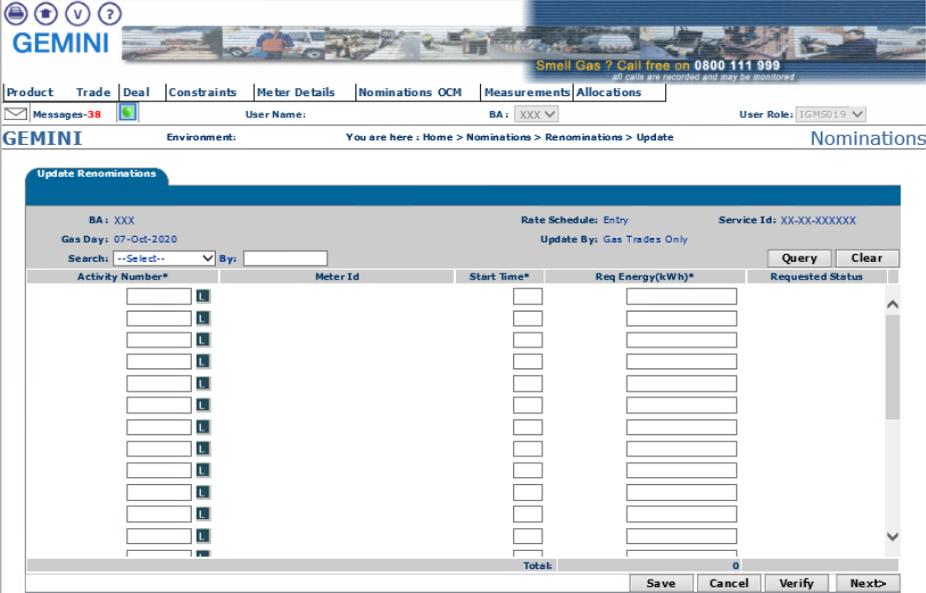
This API enables you to submit Nominations for Entry and Exit Meters by Gas Day. This is not applicable to Interconnectors.



The screenshot shows the 'Update Nominations' page in the GEMINI system. The interface includes a navigation bar with tabs for Product, Trade, Deal, Constraints, Meter Details, Nominations OCM, Measurements, and Allocations. The current page is 'Nominations > Update'. The main content area is titled 'Update Nominations' and contains a form with the following fields: BA: XXX, Eff Start Date: 08-Oct-2020, Eff End Date: 31-Oct-2020, Rate Schedule: Entry, Service Id: XX-XX-XXXXXX, and Update By: Gas Trades Only. Below these fields is a search bar and a table with columns: Activity, Special Function, Meter Id, Colorific Value, Volume (Mcm), Req Energy(kWh), Status, and Reason. The table has 10 rows, each with input fields for the first six columns. At the bottom of the table, there is a 'Total:' field showing '0' and buttons for 'Save', 'Cancel', 'Verify', and 'Next>'.

### Update Renominations

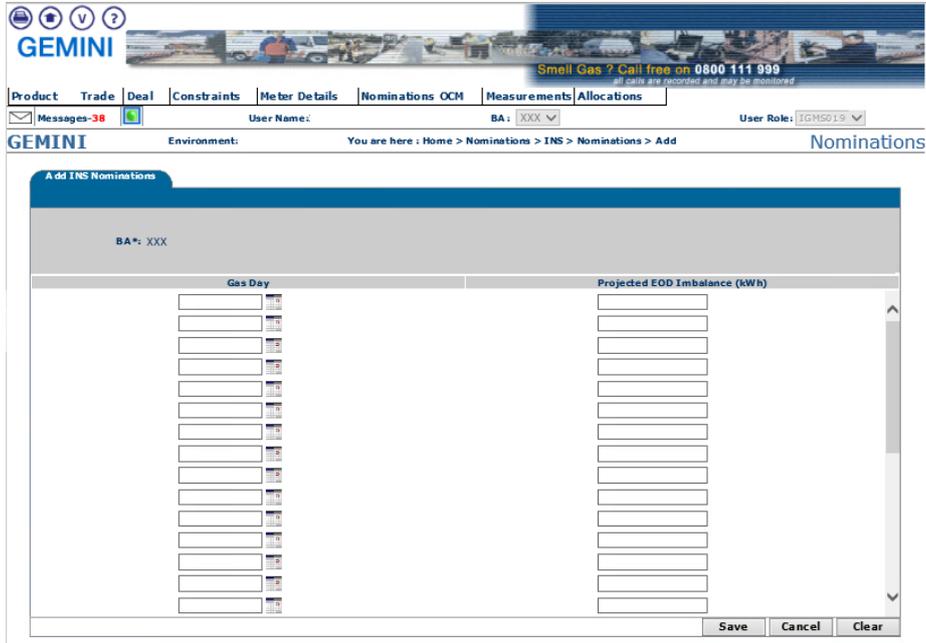
This API enables you to submit Renominations for Entry and Exit Meters by Gas Day. This is not applicable to Interconnectors.



The screenshot shows the 'Update Renominations' page in the GEMINI system. The interface is similar to the 'Update Nominations' page, with a navigation bar and a main content area titled 'Update Renominations'. The form fields include: BA: XXX, Gas Day: 07-Oct-2020, Rate Schedule: Entry, Service Id: XX-XX-XXXXXX, and Update By: Gas Trades Only. Below these fields is a search bar and a table with columns: Activity Number\*, Meter Id, Start Time\*, Req Energy(kWh)\*, and Requested Status. The table has 10 rows, each with input fields for the first four columns. At the bottom of the table, there is a 'Total:' field showing '0' and buttons for 'Save', 'Cancel', 'Verify', and 'Next>'.

## Update INS Nominations

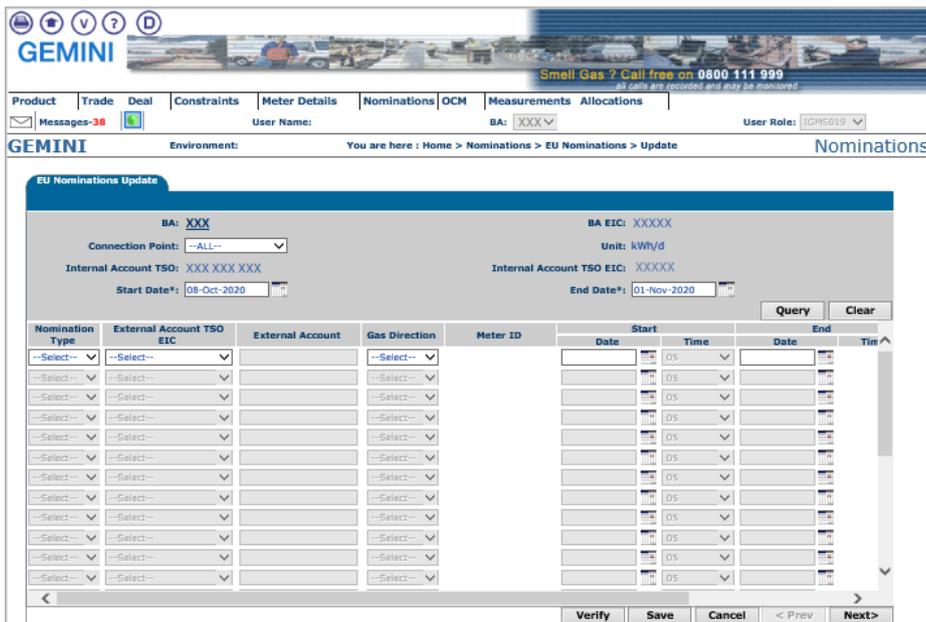
This API enables you to submit/modify an Incentivised Nomination Scheme (INS) nomination.



The screenshot shows the 'Add INS Nominations' page in the GEMINI system. At the top, there is a navigation bar with tabs for Product, Trade, Deal, Constraints, Meter Details, Nominations OCM, Measurements, and Allocations. Below this, there are fields for Messages (38), User Name, BA (XXX), and User Role (TGM5019). The breadcrumb trail indicates the path: Home > Nominations > INS > Nominations > Add. The main content area is titled 'Add INS Nominations' and shows a table with two columns: 'Gas Day' and 'Projected EOD Imbalance (kWh)'. The table contains several rows, each with a date selector and an input field for the imbalance. At the bottom right of the table, there are 'Save', 'Cancel', and 'Clear' buttons.

## Add/Update IP Nomination

This API enables you to submit/modify Nominations for Interconnectors which will then flow through to the Nomination Matching process.



The screenshot shows the 'EU Nominations Update' page in the GEMINI system. The navigation bar is similar to the previous page. Below it, there are fields for BA (XXX), BA EIC (XXXXX), Connection Point (dropdown), Internal Account TSO (XXX XXX XXX), Internal Account TSO EIC (XXXXX), Start Date\* (08-Oct-2020), and End Date\* (01-Nov-2020). The breadcrumb trail is: Home > Nominations > EU Nominations > Update. The main content area is titled 'EU Nominations Update' and contains a table with columns: Nomination Type, External Account TSO EIC, External Account, Gas Direction, Meter ID, Start Date, Start Time, End Date, and End Time. The table has multiple rows, each with dropdown menus for the first four columns and input fields for the last four. At the bottom right, there are 'Verify', 'Save', 'Cancel', '< Prev', and 'Next>' buttons.

View Renominations

This API enables you to query your Renominations at Entry and Exit meters. This is not applicable to Interconnectors.

The screenshot shows the 'Renominations' page in the GEMINI system. At the top, there are navigation tabs: Contract, Product, Deal, Meter Details, Nominations (selected), OCM, Measurements, Allocations, and Invoice. Below these are filters for Messages (66816), User Names (EUST1007), BA (TRA), and User Role (JGMS013). The main content area is titled 'Renominations' and contains a search form with fields for BA, Rate Schedule, View By, and Search. Below the search form is a table with the following columns: Select, Activity Number, SF, Meter Id, Counterparty BA, Trade/ Non - Trade, Start Time, Requested Energy(kWh), Status, Scheduled Energy(kWh), Status, Number of Steps, Opp Flow, First Nom, and Action. The table lists 11 activities, with a total of 146,174,413 kWh requested and scheduled. At the bottom, there are buttons for 'BA Balance', 'Reschedule', and 'Update', along with a note: 'Note: For 'Allocate as Nominate' meters Requested Energy = Nominated Quantity, Scheduled Energy = Confirmed Quantity'.

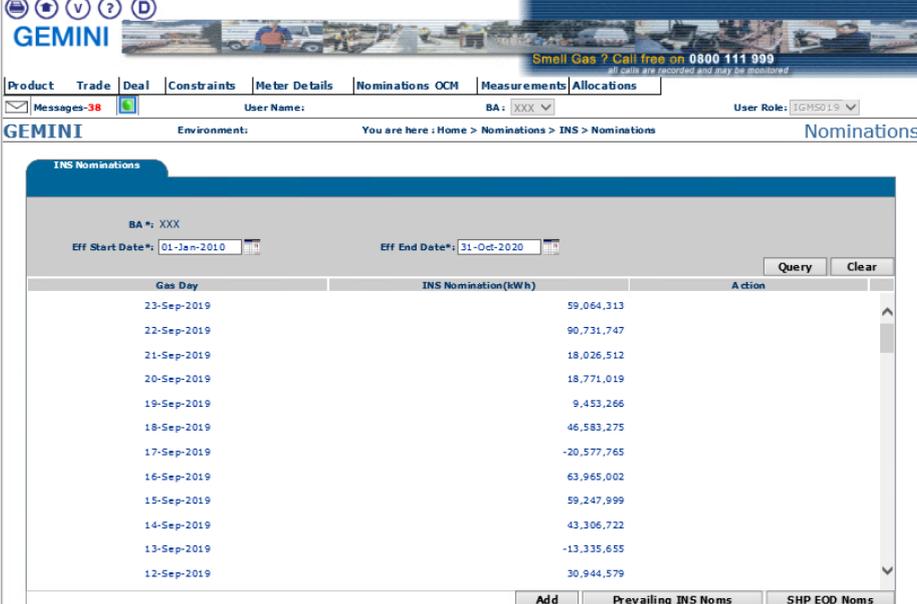
View Renomination Details

This API enables you to query the step details of your Renominations at Entry and Exit meters. This is not applicable to Interconnectors.

The screenshot shows the 'Renominations Details' page. It displays a summary of the nomination with the following details: BA: XXX, Gas Day: 23-Jun-2019, Rate schedule: ENTRY, Activity Number: 000001, Service Id: XX-XX-XXXXXX, Special Function: Opposite Flow: N, OBD: XXX, Meter Id: NBP, Buy/Sell: B, and I/O Indicator: I. Below this is a table with the following columns: Start Time, Requested Energy (kWh), Calorific Value, Volume (Mcm), Req Status, Step Energy (kWh), Day Rate (Mcm/D), % Chng, and Commit Time Stamp. The table shows one step with a start time of 05, requested energy of 22,126,861 kWh, volume of 0.00000 Mcm, and a commit time stamp of 22-Jun-2019 14:40:53. At the bottom, there is a 'Close' button and the same note as in the previous screenshot: 'For 'Allocate as Nominate' meters Requested Energy = Nominated Quantity, Scheduled Energy = Confirmed Quantity'.

## View INS Nominations

This API enables you to view any Incentivised Nomination Scheme (INS) nomination that you have submitted.



**GEMINI** Environment: You are here : Home > Nominations > INS > Nominations

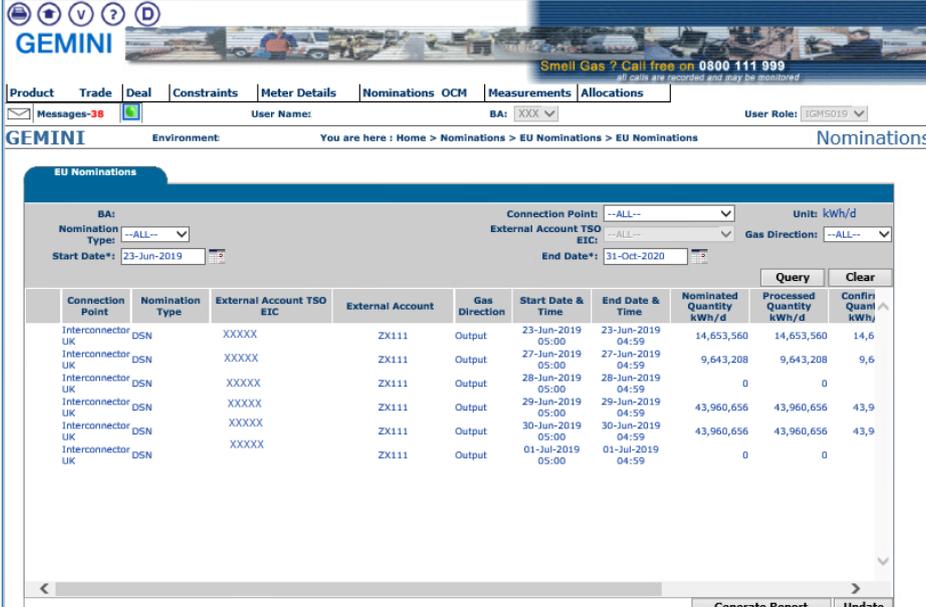
BA #: XXXX  
 Eff Start Date\*: 01-Jan-2010  
 Eff End Date\*: 31-Oct-2020

Gas Day	INS Nomination(kWh)	Action
23-Sep-2019	59,064,313	
22-Sep-2019	90,731,747	
21-Sep-2019	18,026,512	
20-Sep-2019	18,771,019	
19-Sep-2019	9,453,266	
18-Sep-2019	46,583,275	
17-Sep-2019	-20,577,765	
16-Sep-2019	63,965,002	
15-Sep-2019	59,247,999	
14-Sep-2019	43,306,722	
13-Sep-2019	-13,335,655	
12-Sep-2019	30,944,579	

Buttons: Add, Prevailing INS Noms, SHP EOD Noms

## View IP Nominations

This API enables you to view any Nominations/Renominations that you have submitted for Interconnectors.



**GEMINI** Environment: You are here : Home > Nominations > EU Nominations > EU Nominations

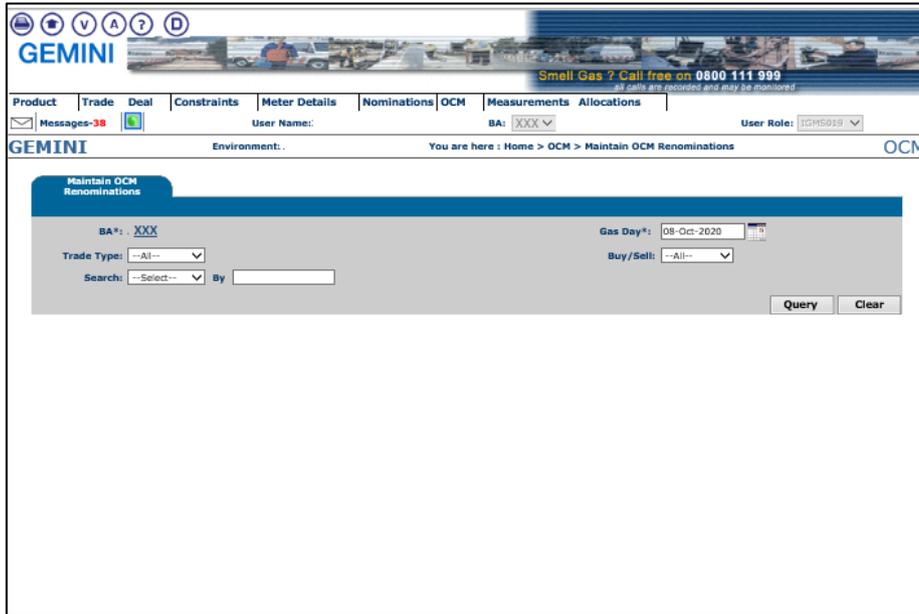
BA: XXXX  
 Start Date\*: 23-Jun-2019  
 End Date\*: 31-Oct-2020

Connection Point	Nomination Type	External Account TSO EIC	External Account	Gas Direction	Start Date & Time	End Date & Time	Nominated Quantity kWh/d	Processed Quantity kWh/d	Confir Quasi kWh/d
Interconnector UK	DSN	XXXXX	ZX111	Output	23-Jun-2019 05:00	23-Jun-2019 04:59	14,653,560	14,653,560	14,6
Interconnector UK	DSN	XXXXX	ZX111	Output	27-Jun-2019 05:00	27-Jun-2019 04:59	9,643,208	9,643,208	9,6
Interconnector UK	DSN	XXXXX	ZX111	Output	28-Jun-2019 05:00	28-Jun-2019 04:59	0	0	0
Interconnector UK	DSN	XXXXX	ZX111	Output	29-Jun-2019 05:00	29-Jun-2019 04:59	43,960,656	43,960,656	43,9
Interconnector UK	DSN	XXXXX	ZX111	Output	30-Jun-2019 05:00	30-Jun-2019 04:59	43,960,656	43,960,656	43,9
Interconnector UK	DSN	XXXXX	ZX111	Output	01-Jul-2019 05:00	01-Jul-2019 04:59	0	0	0

Buttons: Generate Report, Update

## Maintain OCM Renominations (View)

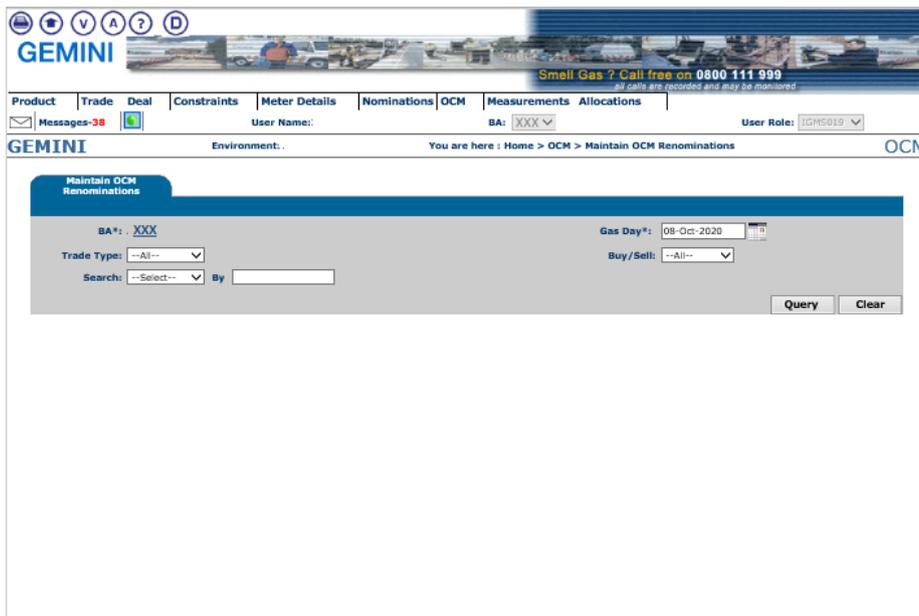
This API enables you to query any unconfirmed Physical and/or Locational Trades that you have in the system.



The screenshot shows the GEMINI web application interface. At the top, there is a navigation bar with the GEMINI logo and a banner for 'Smell Gas? Call free on 0800 111 999'. Below the navigation bar, there are tabs for Product, Trade, Deal, Constraints, Meter Details, Nominations, OCM, Measurements, and Allocations. The OCM tab is selected. The main content area is titled 'Maintain OCM Renominations' and contains a search form with the following fields: BA\* (XXX), Trade Type (All), Search (Select), By (text input), Gas Day\* (08-Oct-2020), and Buy/Sell (All). There are 'Query' and 'Clear' buttons at the bottom right of the form.

## Maintain Physical Renominations (Update)

This API enables you to confirm OCM Physical Trades.



This screenshot is identical to the one above, showing the 'Maintain OCM Renominations' search form in the GEMINI application. The interface includes the GEMINI logo, navigation tabs, and a search form with fields for BA\*, Trade Type, Search, By, Gas Day\*, and Buy/Sell, along with 'Query' and 'Clear' buttons.

*Shipper EOD Noms (Hour Bar)*

This API enables you to query your end of day Nominations split by hour bar.

Time	Scheduled Noms Net Imbalance (kWh)	Prevailing INS Nomination(kWh)	INS Default	Difference(kWh)
00:00 D-1	27,616,439	0	Y	27,616,439
17:00 D-1	150,534,458	0	Y	150,534,458
18:00 D-1	150,534,458	0	Y	150,534,458
19:00 D-1	150,534,458	0	Y	150,534,458
20:00 D-1	151,145,865	0	Y	151,145,865
21:00 D-1	151,145,865	0	Y	151,145,865
22:00 D-1	27,616,439	0	Y	27,616,439
23:00 D-1	27,616,439	0	Y	27,616,439
01:00 D-1	27,395,287	0	Y	27,395,287
02:00 D-1	27,395,287	0	Y	27,395,287
03:00 D-1	27,395,287	0	Y	27,395,287
05:00 D	27,395,287	0	Y	27,395,287
06:00 D	27,395,287	0	Y	27,395,287
07:00 D	27,395,287	0	Y	27,395,287
08:00 D	27,337,594	0	Y	27,337,594
09:00 D	27,337,594	0	Y	27,337,594
10:00 D	21,476,174	0	Y	21,476,174
11:00 D	21,315,466	0	Y	21,315,466
12:00 D	21,320,524	0	Y	21,320,524
13:00 D	12,528,394	0	Y	12,528,394
14:00 D	21,376,084	0	Y	21,376,084

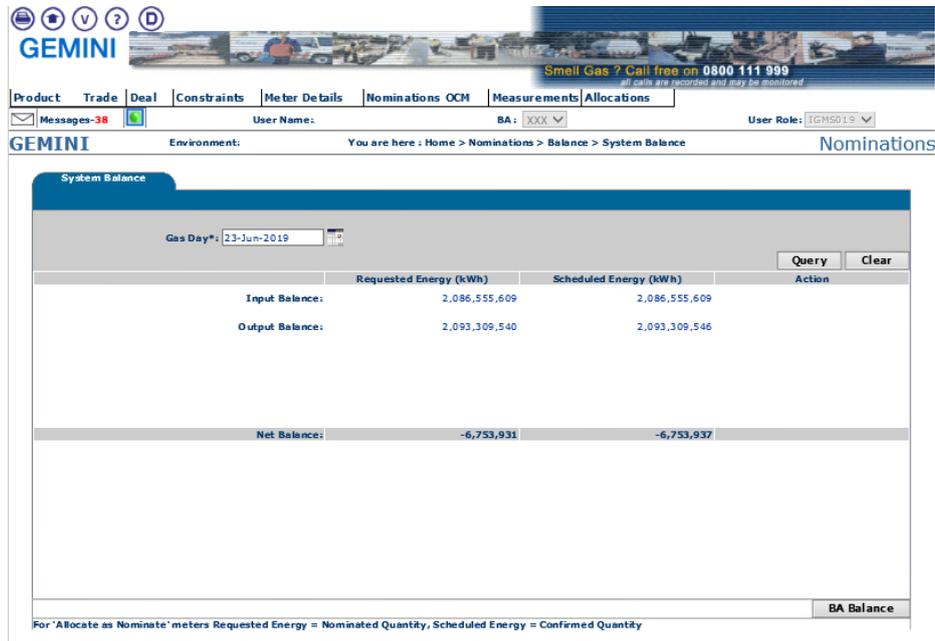
*View Allocation Details by LDZ and Meter Type*

This is a new API which is scheduled to be available from 25<sup>th</sup> July 2021. This API enables you to query Allocation data by LDZ and Meter Type.

Select	LDZ	Nomination ( kWh )	Allocation ( kWh )	Opposite Flow ( kWh )	Net Allocation ( kWh )
<input type="checkbox"/>	NTS	0	0		0
<b>Total:</b>		<b>0</b>	<b>0</b>		<b>0</b>

## System Nomination Balance

This API enables you to query the System Balance for a Gas Day.

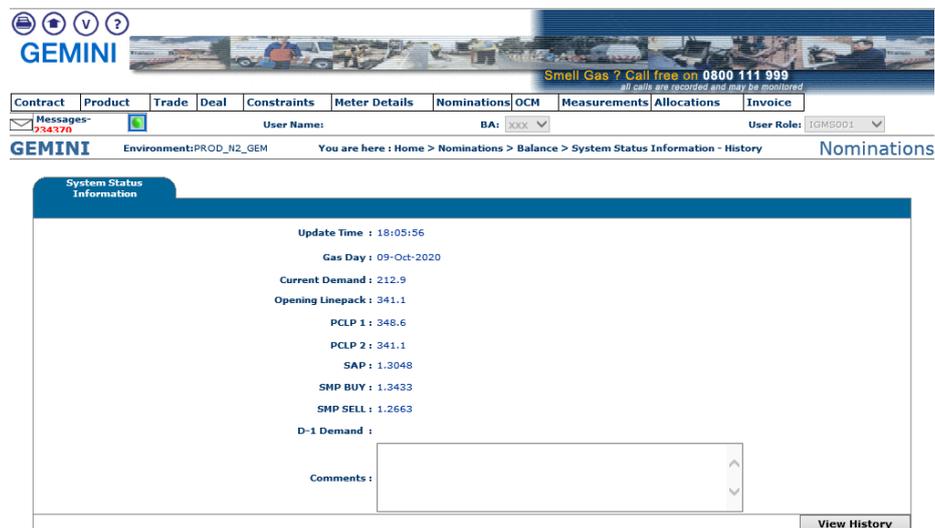


The screenshot shows the GEMINI System Balance interface. At the top, there are navigation tabs: Product, Trade, Deal, Constraints, Meter Details, Nominations OCM, Measurements, and Allocations. Below these are fields for Messages-38, User Name, BA: XXXX, and User Role: IGM5019. The breadcrumb trail reads: Home > Nominations > Balance > System Balance. The main content area is titled 'System Balance' and features a 'Gas Day\*' dropdown set to '23-Jun-2019'. Below this is a table with columns for Requested Energy (kWh), Scheduled Energy (kWh), and Action. The table shows Input Balance (2,086,555,609), Output Balance (2,093,309,540), and Net Balance (-6,753,931). A 'BA Balance' button is located at the bottom right. A footer note states: 'For 'Allocate as Nominate' meters Requested Energy = Nominated Quantity, Scheduled Energy = Confirmed Quantity'.

	Requested Energy (kWh)	Scheduled Energy (kWh)	Action
Input Balance:	2,086,555,609	2,086,555,609	
Output Balance:	2,093,309,540	2,093,309,540	
<b>Net Balance:</b>	<b>-6,753,931</b>	<b>-6,753,931</b>	

## System Status Information

This API enables you to query system level data.



The screenshot shows the GEMINI System Status Information interface. It features navigation tabs: Contract, Product, Trade, Deal, Constraints, Meter Details, Nominations OCM, Measurements, Allocations, and Invoice. Below these are fields for Messages-734376, User Name, BA: XXXX, and User Role: IGM5001. The breadcrumb trail reads: Home > Nominations > Balance > System Status Information - History. The main content area is titled 'System Status Information' and displays the following data: Update Time: 18:05:56, Gas Day: 09-Oct-2020, Current Demand: 212.9, Opening Linepack: 341.1, PCLP 1: 348.6, PCLP 2: 341.1, SAP: 1.3048, SMP BUY: 1.3433, SMP SELL: 1.2663, and D-1 Demand. There is a 'Comments' field with a scrollable area and a 'View History' button at the bottom right.

System Status History

This API enables you to query system level data and the history of that data.

System Status Information - History

Gas Day\*: 23-Jun-2019

Creation Time	Current Demand	Opening Linepack	PCLP 1	PCLP 2	SAP	SMP BUY	SMP SELL	D-1 Demand	Comments
00:04	178.9	345.1	348.2	0.0	0.9469	0.9846	0.9092		
01:04	178.9	346.6	354.1	0.0	0.9469	0.9846	0.9092		
02:02	181.1	345.2	350.6	0.0	0.9469	0.9846	0.9092		
03:03	181.1	345.8	351.2	0.0	0.9585	0.9962	0.9208		
04:06	181.1	345.5	351.0	0.0	0.9585	0.9962	0.9208		
05:07	180.3	343.4	349.6	343.4	0.9585	0.9962	0.9208		
06:03	180.1	343.4	348.0	343.4	0.9585	0.9962	0.9208		
07:04	180.1	343.4	348.0	343.4	0.9585	0.9962	0.9208		
08:03	179.9	343.4	342.8	343.4	0.9585	0.9962	0.9208		
09:05	180.1	343.4	342.9	343.4	0.9585	0.9962	0.9208		
10:15	179.0	343.4	344.7	343.4	0.9585	0.9962	0.9208		
11:05	177.9	343.4	345.0	343.4	0.9585	0.9962	0.9208		
12:02	176.7	343.4	346.2	343.4	0.9585	0.9962	0.9208		
13:03	179.4	343.4	343.5	343.4	0.9547	0.9924	0.917	188.0	
14:03	182.3	343.4	341.8	343.4	0.9585	0.9962	0.9208		
15:09	184.5	343.4	340.1	343.4	0.9585	0.9962	0.9208		

Shipper Preliminary Balance

This API enables you to query your Balance position for a Gas Day.

Business Associate Balance

Gas Day\*: 07-Oct-2020 BA: XXXX

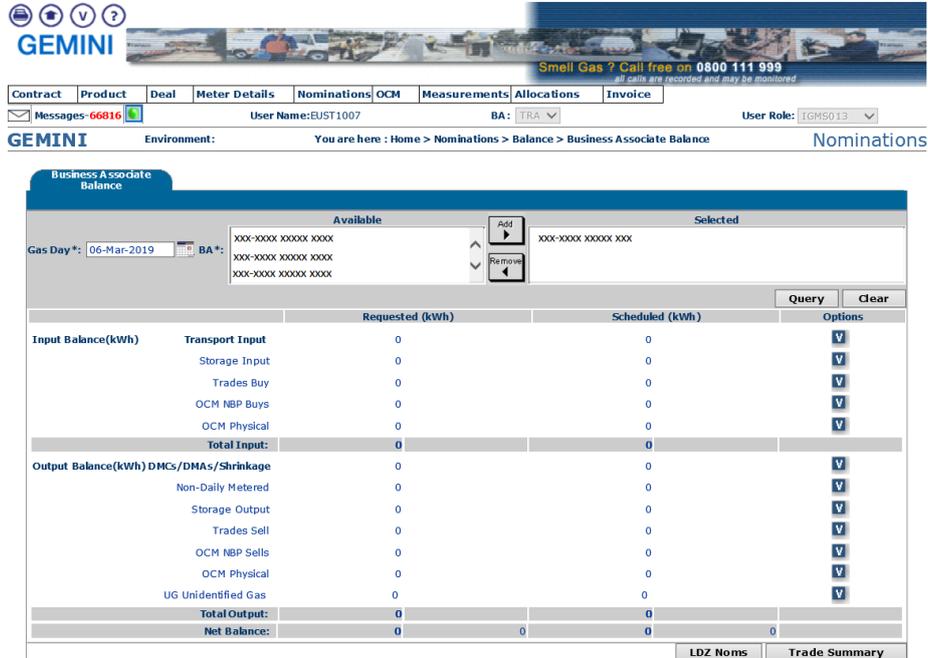
		Requested (kWh)	Scheduled (kWh)	Action
Input Balance (kWh)	Transport Input	0	0	V
	Storage Input	0	0	V
	Trades Buy	0	0	V
	OCM NBP Buys	0	0	V
	OCM Physical	0	0	V
<b>Total Input:</b>		<b>0</b>	<b>0</b>	
Output Balance (kWh) DMCs/DMA's/Shrinkage	Non-Daily Metered	0	0	V
	Storage Output	0	0	V
	Trades Sell	0	0	V
	OCM NBP Sells	0	0	V
	OCM Physical	0	0	V

LDZ Noms Trade Summary

For 'Allocate as Nominate' meters Requested Energy = Nominated Quantity, Scheduled Energy = Confirmed Quantity

## Shipper Preliminary Balance across Date Range

This is a new API which is scheduled to be available from 25<sup>th</sup> July 2021. This API enables you to query your Balance position for a Gas Day or range of Gas Days.

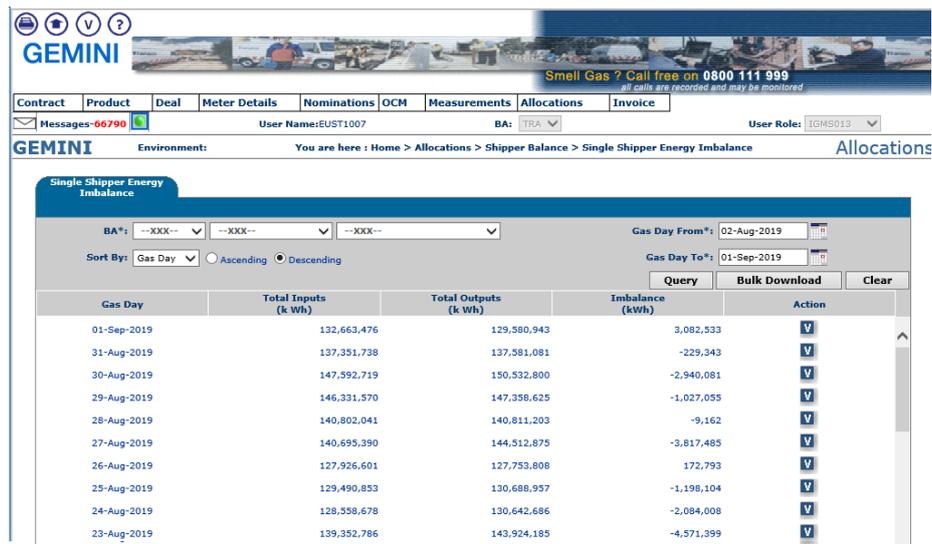


The screenshot shows the 'Business Associate Balance' page in the GEMINI system. At the top, there are navigation tabs: Contract, Product, Deal, Meter Details, Nominations, OCM, Measurements, Allocations, and Invoice. Below these, there are fields for Messages (66816), User Name (EUST1007), BA (TRA), and User Role (IGMS013). The breadcrumb trail indicates the user is in 'Home > Nominations > Balance > Business Associate Balance'. The main content area has a 'Business Associate Balance' header and a table with columns for 'Requested (kWh)' and 'Scheduled (kWh)'. The table lists various input and output categories with their respective values and checkboxes for options.

		Requested (kWh)	Scheduled (kWh)	Options
Input Balance(kWh)	Transport Input	0	0	<input type="checkbox"/>
	Storage Input	0	0	<input type="checkbox"/>
	Trades Buy	0	0	<input type="checkbox"/>
	OCM NBP Buys	0	0	<input type="checkbox"/>
	OCM Physical	0	0	<input type="checkbox"/>
<b>Total Input:</b>		<b>0</b>	<b>0</b>	
Output Balance(kWh) DMCs/DHAs/Shrinkage	Non-Daily Metered	0	0	<input type="checkbox"/>
	Storage Output	0	0	<input type="checkbox"/>
	Trades Sell	0	0	<input type="checkbox"/>
	OCM NBP Sells	0	0	<input type="checkbox"/>
	OCM Physical	0	0	<input type="checkbox"/>
	UG Unidentified Gas	0	0	<input type="checkbox"/>
	<b>Total Output:</b>	<b>0</b>	<b>0</b>	
<b>Net Balance:</b>	<b>0</b>	<b>0</b>		

## Shipper Imbalance

This is a new API which is scheduled to be available from 25<sup>th</sup> July 2021. This API enables you to query your Imbalance position for a Gas Day or range of days.



The screenshot shows the 'Single Shipper Energy Imbalance' page in the GEMINI system. It features a table with columns for 'Gas Day', 'Total Inputs (kWh)', 'Total Outputs (kWh)', 'Imbalance (kWh)', and 'Action'. The table lists data for gas days from 01-Sep-2019 to 23-Aug-2019. The interface also includes filters for BA, Gas Day From, and Gas Day To, along with sorting options and buttons for Query, Bulk Download, and Clear.

Gas Day	Total Inputs (kWh)	Total Outputs (kWh)	Imbalance (kWh)	Action
01-Sep-2019	132,663,476	129,580,943	3,082,533	<input type="checkbox"/>
31-Aug-2019	137,351,738	137,581,081	-229,343	<input type="checkbox"/>
30-Aug-2019	147,592,719	150,532,800	-2,940,081	<input type="checkbox"/>
29-Aug-2019	146,331,570	147,358,625	-1,027,055	<input type="checkbox"/>
28-Aug-2019	140,802,041	140,811,203	-9,162	<input type="checkbox"/>
27-Aug-2019	140,695,390	144,512,875	-3,817,485	<input type="checkbox"/>
26-Aug-2019	127,926,601	127,753,808	172,793	<input type="checkbox"/>
25-Aug-2019	129,490,853	130,688,957	-1,198,104	<input type="checkbox"/>
24-Aug-2019	128,358,678	130,642,686	-2,084,008	<input type="checkbox"/>
23-Aug-2019	139,352,786	143,924,185	-4,571,399	<input type="checkbox"/>

Shipper Total Energy Forecast

This API enables you to query your Total NDMA forecast for a Gas Day.

BA	Creation Date	Creation Time	Total Forecast (kWh)	Change Since Last nom (%)	NDM Nomination Updated
XXX	22-Jun-2019	11:00:40	33,344,231	99.0	Y
XXX	22-Jun-2019	13:01:18	33,237,997	-0.3	Y
XXX	22-Jun-2019	16:01:06	33,217,148	-0.1	Y
XXX	23-Jun-2019	00:02:10	33,074,909	-0.4	Y
XXX	23-Jun-2019	10:00:49	33,048,816	-0.1	Y
XXX	23-Jun-2019	13:01:19	33,230,091	0.5	Y
XXX	23-Jun-2019	16:01:06	33,127,651	-0.3	Y
XXX	23-Jun-2019	21:00:50	33,127,651	0.0	Y
XXX	24-Jun-2019	00:01:23	32,981,386	-0.4	Y

View Shipper Allocation UIG Share

This is a new API which is scheduled to be available from 25<sup>th</sup> July 2021. This API enables you to query UIG share by LDZ and Exit Zone.

Shipper	Exit Zone	Meter Type	EUC	Class	Allocation Factor	UIG Share(kWh)
XXX	EA1	DC	EA:E1809B	Class 01	0.17	-116
XXX	EA1	DC	EA:E1809B	Class 01	0.17	-74
XXX	EA1	DF	EA:E1807W03	Class 02	32.41	-2,814
XXX	EA1	NA	EA:E1801B	Class 03	46.41	-460
XXX	EA1	NA	EA:E1801B	Class 04	94.64	-2,140
XXX	EA1	NA	EA:E1802B	Class 03	46.41	-1,466
XXX	EA1	NA	EA:E1802B	Class 04	109.77	-3,993
XXX	EA1	NA	EA:E1803B	Class 03	44.06	-719
XXX	EA1	NA	EA:E1803B	Class 04	107.52	-1,287
XXX	EA1	NA	EA:E1803W01	Class 03	44.06	-417
XXX	EA1	NA	EA:E1803W01	Class 04	107.52	-1,250
XXX	EA1	NA	EA:E1804W01	Class 04	43.76	-1,429
XXX	EA1	NA	EA:E1804W02	Class 03	43.60	-589
XXX	EA1	NA	EA:E1804W02	Class 04	43.76	-163
XXX	EA1	NA	EA:E1804W03	Class 04	43.76	-188
XXX	EA1	NA	EA:E1804W04	Class 04	43.76	-89
Total UIG Share :						-135,631

Note: UIG is effective from 01-OCT-2015

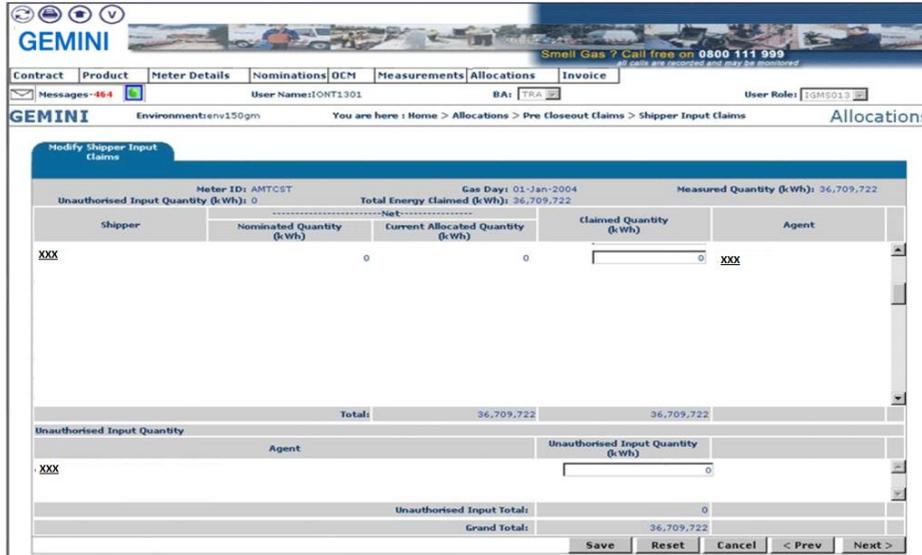
Generate Report

Page 1 of 2



## Update Shipper Input Claims

This is a new API which is scheduled to be available from 25<sup>th</sup> July 2021. This API enables you to modify the Claimed Quantity for a Gas Day.



**GEMINI** Modify Shipper Input Claims

Meter ID: AMTCST Gas Day: 01-Jan-2004 Measured Quantity (kWh): 36,709,722  
 Unauthorised Input Quantity (kWh): 0 Total Energy Claimed (kWh): 36,709,722

Shipper	Nominated Quantity (kWh)	Current Allocated Quantity (kWh)	Claimed Quantity (kWh)	Agent
XXX	0	0	0	XXX
<b>Total:</b>			36,709,722	

Unauthorised Input Quantity Agent Unauthorised Input Quantity (kWh)

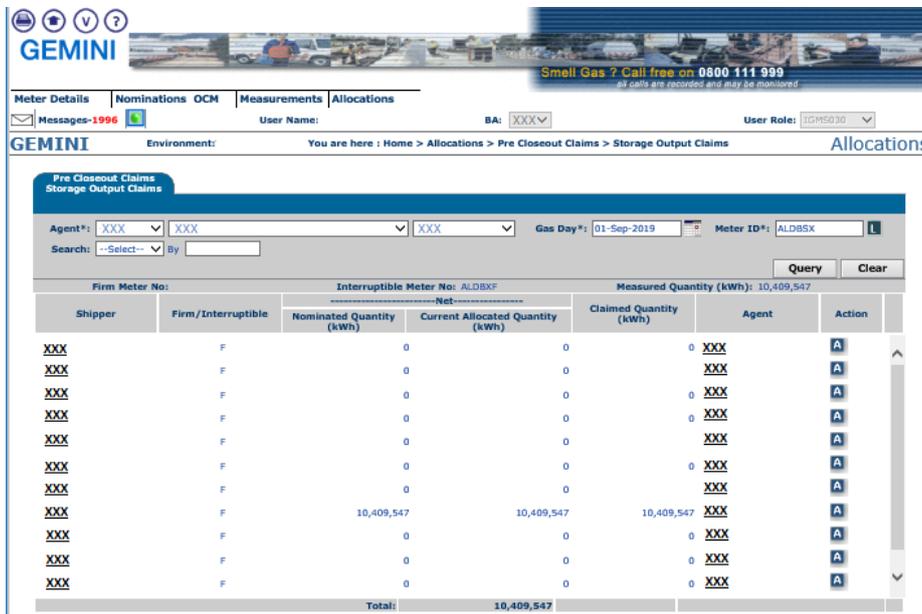
XXX 0

Unauthorised Input Total: 0  
Grand Total: 36,709,722

Save Reset Cancel < Prev Next >

## View Storage Output Claims

This API enables you to query any Storage Output Claims for a Gas Day.



**GEMINI** Pre Closeout Claims Storage Output Claims

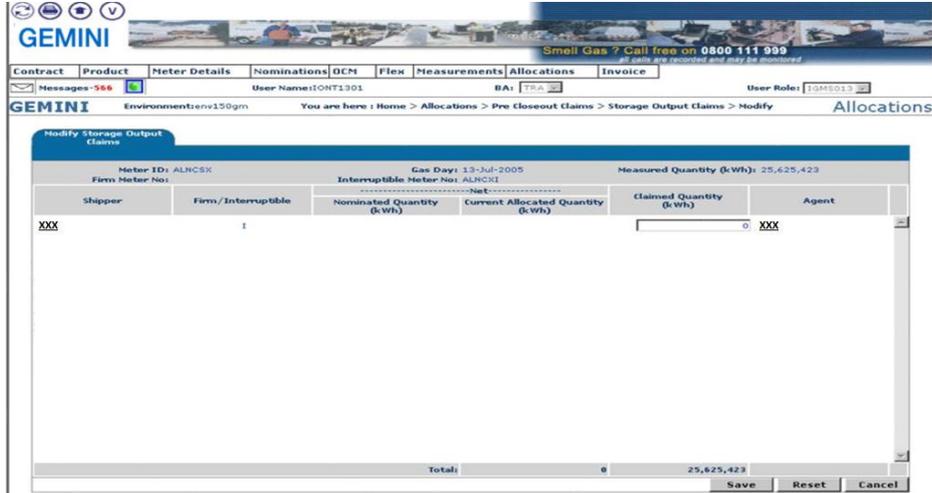
Agent\*: XXX XXX XXX Gas Day\*: 01-Sep-2019 Meter ID\*: ALDBSX  
 Search: --Select-- By Query Clear

Firm Meter No: Interruptible Meter No: ALDBXF Measured Quantity (kWh): 10,409,547

Shipper	Firm/Interruptible	Nominated Quantity (kWh)	Current Allocated Quantity (kWh)	Claimed Quantity (kWh)	Agent	Action
XXX	F	0	0	0	XXX	A
XXX	F	0	0	0	XXX	A
XXX	F	0	0	0	XXX	A
XXX	F	0	0	0	XXX	A
XXX	F	0	0	0	XXX	A
XXX	F	0	0	0	XXX	A
XXX	F	0	0	0	XXX	A
XXX	F	10,409,547	10,409,547	10,409,547	XXX	A
XXX	F	0	0	0	XXX	A
XXX	F	0	0	0	XXX	A
XXX	F	0	0	0	XXX	A
<b>Total:</b>		10,409,547				

Update Storage Output Claims

This is a new API which is scheduled to be available from 25<sup>th</sup> July 2021. This API enables you to modify the Storage Output Claimed Quantity for a Gas Day.



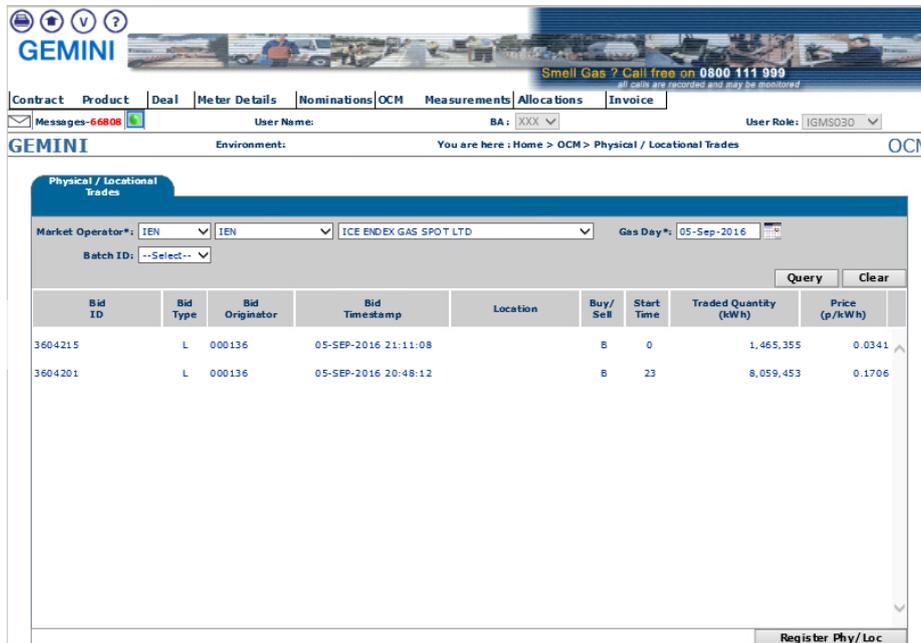
Daily Cashout Tolerance Breakdown

This API enables you to query the Cashout Tolerance Breakdown for a Gas Day.



## Register Physical/Locational Trades

This API enables you to register Physical and Locational Trades.



The screenshot shows the Gemini web application interface for registering Physical/Locational Trades. The top navigation bar includes tabs for Contract, Product, Deal, Meter Details, Nominations, OCM, Measurements, Allocations, and Invoice. The main content area is titled "Physical / Locational Trades" and contains a form with the following fields:

- Market Operator\*: IEN
- ICE ENDEX GAS SPOT LTD
- Gas Day\*: 05-Sep-2016
- Batch ID: --Select--

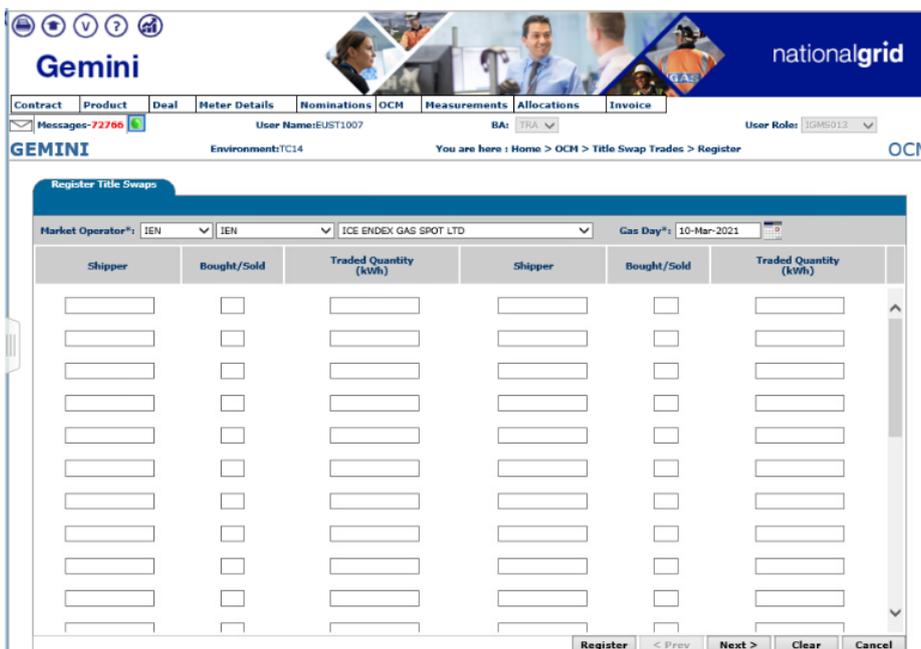
Below the form is a table with the following columns: Bid ID, Bid Type, Bid Originator, Bid Timestamp, Location, Buy/Sell, Start Time, Traded Quantity (kWh), and Price (p/kWh). The table contains two rows of data:

Bid ID	Bid Type	Bid Originator	Bid Timestamp	Location	Buy/Sell	Start Time	Traded Quantity (kWh)	Price (p/kWh)
3604215	L	000136	05-SEP-2016 21:11:08		B	0	1,465,355	0.0341
3604201	L	000136	05-SEP-2016 20:48:12		B	23	8,059,453	0.1706

Buttons for "Query" and "Clear" are located above the table. A "Register Phy/Loc" button is at the bottom right.

## Register Title Swaps

This API enables you to register Title Swaps.



The screenshot shows the Gemini web application interface for registering Title Swaps. The top navigation bar includes tabs for Contract, Product, Deal, Meter Details, Nominations, OCM, Measurements, Allocations, and Invoice. The main content area is titled "Register Title Swaps" and contains a form with the following fields:

- Market Operator\*: IEN
- ICE ENDEX GAS SPOT LTD
- Gas Day\*: 10-Mar-2021

Below the form is a table with the following columns: Shipper, Bought/Sold, and Traded Quantity (kWh). The table contains 10 rows of empty input fields for registration.

Shipper	Bought/Sold	Traded Quantity (kWh)	Shipper	Bought/Sold	Traded Quantity (kWh)
<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>
<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>
<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>
<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>
<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>
<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>
<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>
<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>
<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>
<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>

Buttons for "Register", "< Prev", "Next >", "Clear", and "Cancel" are located at the bottom of the table.

Gas Trades Breakdown

This API enables you to query the various trades you have in the system.

Trading Partner	SAP Y/N	Scheduled Energy (kWh)				Net Energy
		Buy	Status	Sell	Status	
XXX	N	22,126,861	A	20,954,577	A	1,172,284
XXX	N	732,678	A			732,678
XXX	N	1,465,355	A	2,198,033	A	-732,678
XXX	N	1,318,820	A	1,465,355	A	-146,535
XXX	N			732,678	A	-732,678
XXX	N	0	A	732,678	A	-732,678
XXX	N	732,678	A	1,465,355	A	-732,677
XXX	N	1,465,355	A			1,465,355
XXX	N	1,465,355	A	1,172,284	A	293,071
<b>Total:</b>		<b>169,653,022</b>		<b>280,879,251</b>		<b>-111,226,229</b>

Meter to Zone Relationship

This API enables you to query the mapping between a Meter and an LDZ.

Meter ID	Meter Name	Meter Type	Effective Date	Active Indicator	Action
ATVLDM CAT2	FORDOUN MOTHER STATION	DC	29-Jul-2019	Y	<input checked="" type="checkbox"/>

Price Information History

This API enables you to query Price Information for a Gas Day.

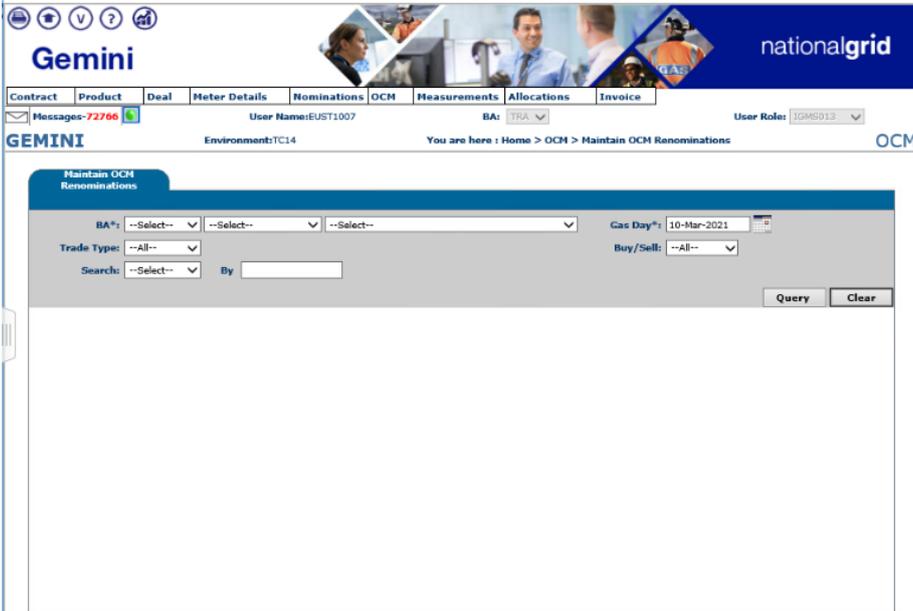
View WCF/SF Values

This API enables you to query the Weather Correction Factor (WCF) and Scaling Factor for an LDZ.

LDZ	Allocated(A)/Forecasted(F)	CWV	CWV Received Time	SNCWV	Weather Correction Factor	Creation Date	Creation Time
EA - EASTERN LDZ	A	16.290	07:31	16.03	0.2600	24-Jun-2019	19:32
EA - EASTERN LDZ	F	16.29	23:01	16.03	0.2600	24-Jun-2019	00:01
EA - EASTERN LDZ	F	16.30	15:01	16.03	0.2700	23-Jun-2019	21:00
EA - EASTERN LDZ	F	16.30	15:01	16.03	0.2700	23-Jun-2019	16:01
EA - EASTERN LDZ	F	16.29	12:01	16.03	0.2600	23-Jun-2019	13:01
EA - EASTERN LDZ	F	16.37	08:01	16.03	0.3400	23-Jun-2019	10:00
EA - EASTERN LDZ	F	16.37	23:01	16.03	0.3400	23-Jun-2019	00:02
EA - EASTERN LDZ	F	16.31	15:02	16.03	0.2800	22-Jun-2019	16:01
EA - EASTERN LDZ	F	16.30	12:01	16.03	0.2700	22-Jun-2019	13:01
EA - EASTERN LDZ	F	16.29	08:01	16.03	0.2600	22-Jun-2019	11:00

## Confirm Multilocational Trades (Update)

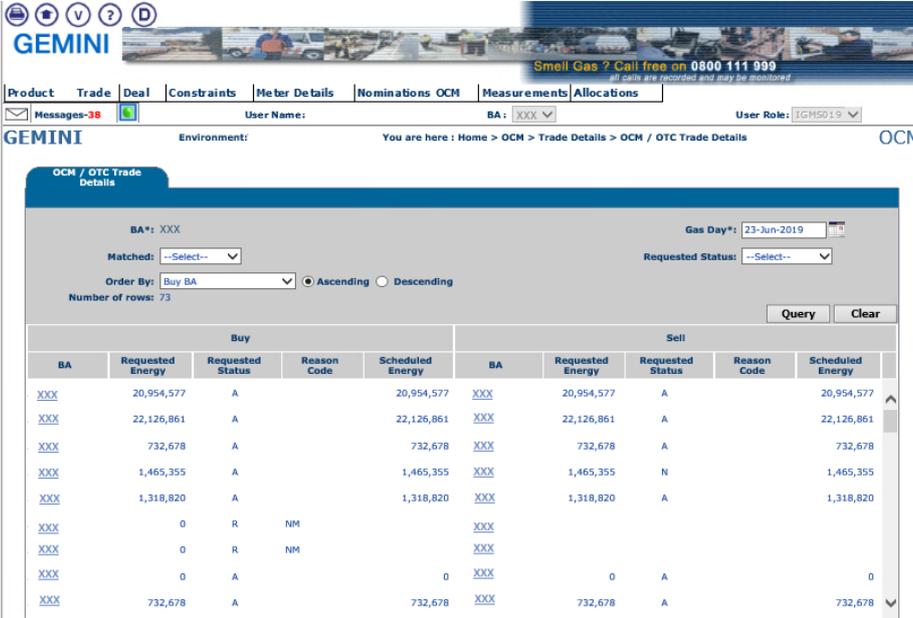
This API enables you to confirm OCM Trades for multiple locations.



The screenshot shows the Gemini web application interface for 'Maintain OCM Renominations'. The top navigation bar includes 'Contract', 'Product', 'Deal', 'Meter Details', 'Nominations', 'OCM', 'Measurements', 'Allocations', and 'Invoice'. The user is logged in as 'EUST1007' with a role of 'IGMS013'. The breadcrumb trail is 'Home > OCM > Maintain OCM Renominations'. The main content area contains several dropdown menus for 'BA\*', 'Trade Type', and 'Search', along with a 'Gas Day\*' field set to '10-Mar-2021' and a 'Buy/Sell' dropdown. 'Query' and 'Clear' buttons are visible at the bottom right of the form area.

## View Shipper Trade Details

This API enables you to query gas trade details for a Gas Day.



The screenshot shows the Gemini web application interface for 'OCM / OTC Trade Details'. The top navigation bar includes 'Product', 'Trade', 'Deal', 'Constraints', 'Meter Details', 'Nominations', 'OCM', 'Measurements', and 'Allocations'. The user is logged in as 'XXX' with a role of 'IGMS019'. The breadcrumb trail is 'Home > OCM > Trade Details > OCM / OTC Trade Details'. The main content area contains a form with 'BA\*' set to 'XXX' and 'Gas Day\*' set to '23-Jun-2019'. It also includes a 'Matched' dropdown, an 'Order By' dropdown set to 'Buy BA', and radio buttons for 'Ascending' and 'Descending'. A 'Number of rows: 73' is displayed. 'Query' and 'Clear' buttons are at the bottom right. Below the form is a table with columns for 'Buy' and 'Sell' trades.

Buy					Sell				
BA	Requested Energy	Requested Status	Reason Code	Scheduled Energy	BA	Requested Energy	Requested Status	Reason Code	Scheduled Energy
XXX	20,954,577	A		20,954,577	XXX	20,954,577	A		20,954,577
XXX	22,126,861	A		22,126,861	XXX	22,126,861	A		22,126,861
XXX	732,678	A		732,678	XXX	732,678	A		732,678
XXX	1,465,355	A		1,465,355	XXX	1,465,355	N		1,465,355
XXX	1,318,820	A		1,318,820	XXX	1,318,820	A		1,318,820
XXX	0	R	NM		XXX				
XXX	0	R	NM		XXX				
XXX	0	A		0	XXX	0	A		0
XXX	732,678	A		732,678	XXX	732,678	A		732,678