IP New –Interface for network users

v2.0

# Version control

|  |  |  |  |
| --- | --- | --- | --- |
| Date | Author | Version | Change |
| 2020.02.18. | Lajtos András | 0.94 | Master copy created |
| 2020.05.15. | Lajtos András | 1.1 | Version number upgrade |
| 2020.05.19. | Magdus Adrienn | 1.2 | HLD shipment 1 modify EIC code handling |
| 2020.08.27. | Magdus Adrienn | 1.3 | HLD shipment 1 modify EIC code handling modification |
| 2020.09.07. | Magdus Adrienn | 1.4 | Coding scheme exception in the response of the getTradeNomination and the GetNomination methods |
| 2020.12.02. | Magdus Adrienn | 1.5 | Adding the SaveTradeNominationInEdigasV6 methode |
| 2021.01.18. | Magdus Adrienn | 1.6 | Refineing saveNominationInEdigas method with the restriction of direction code |
| 2021.05.18. | Magdus Adrienn | 1.7 | GetMeasurementDaily modification, SaveTradeNominationInEdigasV6 new error code |
| 2021.08.13. | Tokai Alexandra  Magdus Adrienn | 1.8 | Adding the GetOvernominatedTradesV3 methode  SaveTradeNominationInEdigasv6 modification |
| 2021.11.11. | Magdus Adrienn  Tokai Alexandra | 1.9 | Completion of the trading process: saving the trade with zero deletes or cancels the original trade as if the operation works manually GetOvernominatedTradesV3: table header modification |
| 2022.03.03. | Buriusz Beáta,  Szernai Judit | 1.10 | Fixing XML examples in nomination services |
| 2022.10.07. | Buriusz Beáta | 1.11 | Introducing Hydrogen field into the system (Measurement module) |
| 2024.11.06. | Szernai Judit | 1.12 | B2410-0496: Check for KW2 in measureUnit.code in Nomint message. |
| 2024.12.09. | Szabó László | 1.13 | New application URLs will be introduced |
| 2025.02.03. | Buriusz Beáta | 2.0 | SaveNominationInEdigasV61 methode,  EdigasV61\_ANN\_NominationAuthorisationDocument,  SaveTradeNominationInEdigasV61 methode; |

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# General

This document contains a collection of the methods of the public network user webservice of the IP New system. The service implements both individual messaging methods and also such that are conform with the official European Standard Recommendation. Pre-studying/Knowing the standard may make the use of the service more effective. The official version of this is 5.1, for which all documentation is available at: <https://www.edigas.org/version-5/>

You can read in detail about the 6th version of the Edigas standard at: <https://www.edigas.org/version-6/>

Service Name: **SoapFGSZShipperService**.

The service is available any time for partners registered in the IP system.

Services are available on the following URLs:

**https://<servername>/Services/SoapFGSZShipperService.svc**

|  |  |
| --- | --- |
| **Environment** | **Servername** |
| **Test** | ip.uat.fgsz.hu  ipnew.test.fgsz.hu/Fgsz.Ip.Web.UAT **(It will be phased out from 2025.10.01)** |
| **Live** | ip.fgsz.hu  ipnew.fgsz.hu/Fgsz.Ip.Web **(It will be phased out from 2025.10.01)** |

Types of input parameters and return values ​​are described in the XSD schemes in the WSDL.

The WSDL of the services can be retrieved by using the "?singleWsdl" parameter inserted after the URL, for example:

https://<servername>/Services/SoapFGSZShipperService.svc?singleWsdl

**Please note that from the date of 2025.10.01 the following service URLs will be phased out.Test: https://ipnew.test.fgsz.hu/Fgsz.Ip.Web.UAT/Services/SoapFGSZShipperService.svc**

**Live:** **https://ipnew.fgsz.hu/Fgsz.Ip.Web/Services/SoapFGSZShipperService.svc**

# System level Service - Life Signal (CheckAlive)

Special method for controlling service operation, which, if for some technical reason, there is no connection with the IP system, will not return anything. If the service can be used, it returns the following message: „The service is alive.”

## Message with request

A simple soap Envelope with an empty CheckAlive element in its Body element.

### Structure

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Description** | **XML element name** | **Format / type** |
| Checking |  | CheckAlive | xsd:String |

### Xml Example

<soap:Envelope xmlns:soap=**"http://www.w3.org/2003/05/soap-envelope"** xmlns:ser=**"http://domain.service.fgsz.hu"**>

<soap:Header/>

<soap:Body>

<ser:CheckAlive/>

</soap:Body>

</soap:Envelope>

## Message with response

The success response is found in CheckAliveResult element of CheckAliveResponse.

If there is no connection, nothing will be returned.

If the service is not available because of a http error, then this will be returned.

### Structure

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Description** | **XML element name** | **Format / type** |
| Start access |  | Created | xsd:Date |
| End Access |  | Expires | xsd:Date |
| Checking response |  | CheckAliveResult | xsd:String |

### Xml Example – In the event of success

<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope" xmlns:a="http://www.w3.org/2005/08/addressing" xmlns:u="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">

<s:Header>

<a:Action s:mustUnderstand="1">http://domain.service.fgsz.hu/IFGSZShipperServiceSoapWrapper/CheckAliveResponse</a:Action>

<o:Security s:mustUnderstand="1" xmlns:o="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd">

<u:Timestamp u:Id="\_0">

<u:Created>2018-05-17T14:06:17.468Z</u:Created>

<u:Expires>2018-05-17T14:11:17.468Z</u:Expires>

</u:Timestamp>

</o:Security>

</s:Header>

<s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">

<CheckAliveResponse xmlns="http://domain.service.fgsz.hu">

<CheckAliveResult> The service is alive.

</CheckAliveResult>

</CheckAliveResponse>

</s:Body>

</s:Envelope>

### Xml Example – In the event of error

**!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN""http://www.w3.org/TR/html4/strict.dtd">**

<HTML><HEAD><TITLE>**Service Unavailable**</TITLE>

<META HTTP-EQUIV=**"Content-Type"** Content=**"text/html; charset=us-ascii"**></HEAD>

<BODY><h2>**Service Unavailable**</h2>

<hr><p>**HTTP Error 503. The service is unavailable.**</p>

</BODY></HTML>

# Nomination Services

## Business environment

The purpose of nominating for the gas transmission system is to report the gas traffic requested by the network user. During the nomination, for a shipper-type network user partner, the demand for gas quantities to be delivered per hour shall be reported for a given gasday, per network point, giving/marking the shipper pair. A nomination line specifies what amount/quantity of traffic that particular shipping party requires at the given network point on the given gasday, with indication of the given shipper pair.

Trade deals/Transactions outside the IP system that affect the total balance of the balancing portfolios must also be registered in the IP system. Handling such transaction notifications deviates from the nomination lines by entering daily quantities and by the trading partner also having to perform the task in the IP system, while in the case of a nomination, the network user shipping pair/counterpart/ has no such obligation.   
Transaction notifications are coordinated at the time when sumitted/entered in the IP system.

## SENDING IN/SUBMITTING NOMINATION DATA (SaveNominationInEdigas)

### Description

The IP system allows network users to **submit** one-sided and two-sided **nominations for a given gasday** according to the UTC timezone over web-service.

Name of proposed method: **SaveNominationInEdigas**

### Message with request

The request can be sent in/submitted in a saveNominationInEdigasRequest block containing a standard Edig@s Nomination\_Document block of version 5.1.

A nomination line can be specified with multiple network user pairs (Accounts) for a Network Point (Connection Point) where the nominated values are provided in gashour breakdown (Period).

The basic structure of Nomination\_Document is setup as follows:

* + ConnectionPoint (repetitive block)
    - NominationType
    - Account (repetitive block)
      * Period (repetitive block)
        + timeIntervall
        + direction.code
        + total\_Quantity.amount

At least one of the repetitive blocks must be included. The number of the Period blocks must be as high as many gazhours the day contains for which the nomination is submitted. If the nomination is the same in every hour, there is no need for disctinct period blocks for every hour, but the timeIntervall has to cover the whole gasday.

In case of submitting different direction in the same Account, the timeIntervalls of the Periods of the same direction must cover the whole gasday.

**For a 24-hour day, enter the timeInterval element within the Period for winter time, for the individual hours as follows:**

1. hour 2018-11-01T05:00Z/2018-11-01T06:00Z
2. hour 2018-11-01T06:00Z/2018-11-01T07:00Z

….

1. hour 2018-11-02T00:00Z/2018-11-02T01:00Z
2. hour 2018-11-02T01:00Z/2018-11-02T02:00Z
3. hour 2018-11-02T02:00Z/2018-11-02T03:00Z
4. hour 2018-11-02T03:00Z/2018-11-02T04:00Z
5. hour 2018-11-02T04:00Z/2018-11-02T05:00Z

**For a 24-hour day, enter the timeInterval element for summer time:**

1. hour 2018-04-01T04:00Z/2018-04-01T05:00Z
2. hour 2018-04-01T05:00Z/2018-04-01T06:00Z

….

1. hour 2018-04-01T23:00Z/2018-04-02T00:00Z
2. hour 2018-04-02T00:00Z/2018-04-02T01:00Z
3. hour 2018-04-02T01:00Z/2018-04-02T02:00Z
4. hour 2018-04-02T02:00Z/2018-04-02T03:00Z
5. hour 2018-04-02T03:00Z/2018-04-02T04:00Z

**For a 25-hour day, entering the timeInterval element:**

1. hour 2018-10-27T04:00Z/2018-10-27T05:00Z
2. hour 2018-10-27T05:00Z/2018-10-27T06:00Z

….

1. hour 2018-10-27T23:00Z/2018-10-28T00:00Z
2. hour 2018-10-28T00:00Z/2018-10-28T01:00Z
3. hour 2018-10-28T01:00Z/2018-10-28T02:00Z
4. hour 2018-10-28T02:00Z/2018-10-28T03:00Z
5. hour 2018-10-28T03:00Z/2018-10-28T04:00Z
6. hour 2018-10-28T04:00Z/2018-10-28T05:00Z

**For a 23-hour day, entering the timeInterval element:**

1. hour 2018-03-24T05:00Z/2018-03-24T06:00Z
2. hour 2018-03-24T06:00Z/2018-03-24T07:00Z

….

1. hour 2018-03-25T00:00Z/2018-03-25T01:00Z
2. hour 2018-03-25T01:00Z/2018-03-25T02:00Z
3. hour 2018-03-25T02:00Z/2018-03-25T03:00Z
4. hour 2018-03-25T03:00Z/2018-03-25T04:00Z

Policies, specialties, restrictions/constrains:

* Version: specifies the version number of the document. Only the re-submissions of the same content must be versioned and the version number always starts from 1.
* Type: always 01G
* IssuerMarketParticipiantMarketRoleCode: always „ZSH”.
* RecipientMarketParticipiantMarketRoleCode: always „ZSO”.
* codingScheme= for "305” filling must take place with EIC code
* codingScheme= for "ZSO” filling must take place with internal IPNew code
* NominationType: A02 –two-sided, A01-one-sided
* Direction: Z03-out, Z02- in
* measureUnit.code: always KW1
* entering validityperiod: the gasday must be specified in UTC to be filled with edigas period marker: two strings separated by slash symbol

#### Structure

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Description** | **XML element name** | **Format / type** |
| Nomination document | Edig@s specification: <https://www.edigas.org/wp-content/Downloads/nominationAndMatchingv51r3.pdf> (3.4 Contextual model for the Nomination Document (NOMINT)) | Nomination\_Document |  |

#### Xml Example

Example 1

<soapenv:Envelope xmlns:soapenv=**"http://www.w3.org/2003/05/soap-envelope"** xmlns:dom=**"http://domain.service.fgsz.hu"** xmlns:urn=**"urn:easeegas.eu:edigas:nominationandmatching:nominationdocument:5:1"**>

<soapenv:Header/>

<soapenv:Body>

<dom:saveNominationInEdigasRequest>

<dom:Request>

<urn:Nomination\_Document release=**"1"**>

<urn:identification>**1234ABCD**</urn:identification>

<urn:version>**13**</urn:version>

<urn:type>**01G**</urn:type>

<urn:creationDateTime>**2022-02-23T22:30:47Z**</urn:creationDateTime>

<urn:validityPeriod>**2022-02-24T05:00Z/2022-02-25T05:00Z**</urn:validityPeriod>

<urn:contractReference>**1**</urn:contractReference>

<urn:contractType>**CT**</urn:contractType>

<urn:issuer\_MarketParticipant.identification codingScheme=**"305"**>**SHIPPEREICCODE**</urn:issuer\_MarketParticipant.identification>

<urn:issuer\_MarketParticipant.marketRole.code>**ZSH**</urn:issuer\_MarketParticipant.marketRole.code>

<urn:recipient\_MarketParticipant.identification codingScheme=**"305"**>**FGSZEICCODE**</urn:recipient\_MarketParticipant.identification>

<urn:recipient\_MarketParticipant.marketRole.code>**ZSO**</urn:recipient\_MarketParticipant.marketRole.code>

<urn:ConnectionPoint>

<urn:identification codingScheme=**"305"**>**POINTEICCODE**</urn:identification>

<urn:measureUnit.code>**KW1**</urn:measureUnit.code>

<urn:NominationType>

<urn:type>**A02**</urn:type>

<urn:Account>

<urn:internalAccount codingScheme=**"305"**>**25X-EONFLDGZTRA9**</urn:internalAccount>

<urn:externalAccount codingScheme=**"305"**>**25X-EONFLDGZTRA9**</urn:externalAccount>

<urn:Period>

<urn:timeInterval>**2022-02-24T05:00Z/2022-02-24T06:00Z**</urn:timeInterval>

<urn:direction.code>**Z03**</urn:direction.code>

<urn:quantity.amount>**60**</urn:quantity.amount>

</urn:Period>

<urn:Period>

<urn:timeInterval>**2022-02-24T06:00Z/2022-02-24T07:00Z**</urn:timeInterval>

<urn:direction.code>**Z03**</urn:direction.code>

<urn:quantity.amount>**60**</urn:quantity.amount>

</urn:Period>

<urn:Period>

<urn:timeInterval>**2022-02-24T07:00Z/2022-02-24T08:00Z**</urn:timeInterval>

<urn:direction.code>**Z03**</urn:direction.code>

<urn:quantity.amount>**60**</urn:quantity.amount>

</urn:Period>

<urn:Period>

<urn:timeInterval>**2022-02-24T08:00Z/2022-02-24T09:00Z**</urn:timeInterval>

<urn:direction.code>**Z03**</urn:direction.code>

<urn:quantity.amount>**60**</urn:quantity.amount>

</urn:Period>

<urn:Period>

<urn:timeInterval>**2022-02-24T09:00Z/2022-02-24T10:00Z**</urn:timeInterval>

<urn:direction.code>**Z03**</urn:direction.code>

<urn:quantity.amount>**60**</urn:quantity.amount>

</urn:Period>

<urn:Period>

<urn:timeInterval>**2022-02-24T10:00Z/2022-02-24T11:00Z**</urn:timeInterval>

<urn:direction.code>**Z03**</urn:direction.code>

<urn:quantity.amount>**60**</urn:quantity.amount>

</urn:Period>

<urn:Period>

<urn:timeInterval>**2022-02-24T11:00Z/2022-02-24T12:00Z**</urn:timeInterval>

<urn:direction.code>**Z03**</urn:direction.code>

<urn:quantity.amount>**60**</urn:quantity.amount>

</urn:Period>

<urn:Period>

<urn:timeInterval>**2022-02-24T12:00Z/2022-02-24T13:00Z**</urn:timeInterval>

<urn:direction.code>**Z03**</urn:direction.code>

<urn:quantity.amount>**60**</urn:quantity.amount>

</urn:Period>

<urn:Period>

<urn:timeInterval>**2022-02-24T13:00Z/2022-02-24T14:00Z**</urn:timeInterval>

<urn:direction.code>**Z03**</urn:direction.code>

<urn:quantity.amount>**60**</urn:quantity.amount>

</urn:Period>

<urn:Period>

<urn:timeInterval>**2022-02-24T14:00Z/2022-02-24T15:00Z**</urn:timeInterval>

<urn:direction.code>**Z03**</urn:direction.code>

<urn:quantity.amount>**60**</urn:quantity.amount>

</urn:Period>

<urn:Period>

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<urn:quantity.amount>**60**</urn:quantity.amount>

</urn:Period>

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</urn:Period>

<urn:Period>

<urn:timeInterval>**2022-02-24T17:00Z/2022-02-24T18:00Z**</urn:timeInterval>

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</urn:Period>

<urn:Period>

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<urn:quantity.amount>**60**</urn:quantity.amount>

</urn:Period>

<urn:Period>

<urn:timeInterval>**2022-02-24T19:00Z/2022-02-24T20:00Z**</urn:timeInterval>

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<urn:quantity.amount>**60**</urn:quantity.amount>

</urn:Period>

<urn:Period>

<urn:timeInterval>**2022-02-24T20:00Z/2022-02-24T21:00Z**</urn:timeInterval>

<urn:direction.code>**Z03**</urn:direction.code>

<urn:quantity.amount>**60**</urn:quantity.amount>

</urn:Period>

<urn:Period>

<urn:timeInterval>**2022-02-24T21:00Z/2022-02-24T22:00Z**</urn:timeInterval>

<urn:direction.code>**Z03**</urn:direction.code>

<urn:quantity.amount>**60**</urn:quantity.amount>

</urn:Period>

<urn:Period>

<urn:timeInterval>**2022-02-24T22:00Z/2022-02-24T23:00Z**</urn:timeInterval>

<urn:direction.code>**Z03**</urn:direction.code>

<urn:quantity.amount>**60**</urn:quantity.amount>

</urn:Period>

<urn:Period>

<urn:timeInterval>**2022-02-24T23:00Z/2022-02-25T00:00Z**</urn:timeInterval>

<urn:direction.code>**Z03**</urn:direction.code>

<urn:quantity.amount>**60**</urn:quantity.amount>

</urn:Period>

<urn:Period>

<urn:timeInterval>**2022-02-25T00:00Z/2022-02-25T01:00Z**</urn:timeInterval>

<urn:direction.code>**Z03**</urn:direction.code>

<urn:quantity.amount>**60**</urn:quantity.amount>

</urn:Period>

<urn:Period>

<urn:timeInterval>**2022-02-25T01:00Z/2022-02-25T02:00Z**</urn:timeInterval>

<urn:direction.code>**Z03**</urn:direction.code>

<urn:quantity.amount>**60**</urn:quantity.amount>

</urn:Period>

<urn:Period>

<urn:timeInterval>**2022-02-25T02:00Z/2022-02-25T03:00Z**</urn:timeInterval>

<urn:direction.code>**Z03**</urn:direction.code>

<urn:quantity.amount>**60**</urn:quantity.amount>

</urn:Period>

<urn:Period>

<urn:timeInterval>**2022-02-25T03:00Z/2022-02-25T04:00Z**</urn:timeInterval>

<urn:direction.code>**Z03**</urn:direction.code>

<urn:quantity.amount>**60**</urn:quantity.amount>

</urn:Period>

<urn:Period>

<urn:timeInterval>**2022-02-25T04:00Z/2022-02-25T05:00Z**</urn:timeInterval>

<urn:direction.code>**Z03**</urn:direction.code>

<urn:quantity.amount>**60**</urn:quantity.amount>

</urn:Period>

</urn:Account>

</urn:NominationType>

</urn:ConnectionPoint>

</urn:Nomination\_Document>

</dom:Request>

</dom:saveNominationInEdigasRequest>

</soapenv:Body>

</soapenv:Envelope>

Example 2

<?xml version=**"1.0"** encoding=**"utf-8"**?>

<s:Envelope xmlns:a=**"http://www.w3.org/2005/08/addressing"** xmlns:s=**"http://www.w3.org/2003/05/soap-envelope"**>

<s:Header>

<a:Action s:mustUnderstand=**"1"**>**http://domain.service.fgsz.hu/SaveNominationInEdigas**</a:Action>

</s:Header>

<s:Body xmlns:xsi=**"http://www.w3.org/2001/XMLSchema-instance"** xmlns:xsd=**"http://www.w3.org/2001/XMLSchema"**>

<saveNominationInEdigasRequest xmlns=**"http://domain.service.fgsz.hu"**>

<Request>

<q1:Nomination\_Document release=**"xxx"** xmlns:q1=**"urn:easeegas.eu:edigas:nominationandmatching:nominationdocument:5:1"**>

<q1:identification> **saving different directions**</q1:identification>

<q1:version>**2**</q1:version>

<q1:type>**01G**</q1:type>

<q1:creationDateTime>**2021-01-18T00:00:00**</q1:creationDateTime>

<q1:validityPeriod>**2021-01-18T05:00Z/2021-01-19T05:00Z**</q1:validityPeriod>

<q1:contractReference>**xxx**</q1:contractReference>

<q1:contractType>**CT**</q1:contractType>

<q1:issuer\_MarketParticipant.identification codingScheme=**"ZSO"**>**SHIPPERCODE**</q1:issuer\_MarketParticipant.identification>

<q1:issuer\_MarketParticipant.marketRole.code>**ZSH**</q1:issuer\_MarketParticipant.marketRole.code>

<q1:recipient\_MarketParticipant.identification codingScheme=**"305"**>**TSOEICCODE**</q1:recipient\_MarketParticipant.identification>

<q1:recipient\_MarketParticipant.marketRole.code>**ZSO**</q1:recipient\_MarketParticipant.marketRole.code>

<q1:applicationContext codingScheme=**"305"**>**xxx**</q1:applicationContext>

<q1:ConnectionPoint>

<q1:identification codingScheme=**"305"**>**NETWORKPOINTEICCODE**</q1:identification>

<q1:measureUnit.code>**KW1**</q1:measureUnit.code>

<q1:NominationType>

<q1:type>**A02**</q1:type>

<q1:Account>

<q1:internalAccount codingScheme=**"ZSO"**>**SHIPPERCODE**</q1:internalAccount>

<q1:internalAccountTso codingScheme=**"ZSO"**>**TSOCODE**</q1:internalAccountTso>

<q1:externalAccount codingScheme=**"ZSO"**>**HUFWISHIPPERCODEEE**</q1:externalAccount>

<q1:externalAccountTso codingScheme=**"ZSO"**>**TSOCODE**</q1:externalAccountTso>

<q1:Period>

<q1:timeInterval>**2021-01-18T05:00Z/2021-01-19T05:00Z**</q1:timeInterval>

<q1:direction.code>**Z02**</q1:direction.code>

<q1:quantity.amount>**0**</q1:quantity.amount>

</q1:Period>

<q1:Period>

<q1:timeInterval>**2021-01-18T05:00Z/2021-01-18T22:00Z**</q1:timeInterval>

<q1:direction.code>**Z03**</q1:direction.code>

<q1:quantity.amount>**0**</q1:quantity.amount>

</q1:Period>

<q1:Period>

<q1:timeInterval>**2021-01-18T22:00Z/2021-01-19T05:00Z**</q1:timeInterval>

<q1:direction.code>**Z03**</q1:direction.code>

<q1:quantity.amount>**100**</q1:quantity.amount>

</q1:Period>

</q1:Account>

</q1:NominationType>

</q1:ConnectionPoint>

</q1:Nomination\_Document>

</Request>

</saveNominationInEdigasRequest>

</s:Body>

</s:Envelope>

### Message with response

The response is returned in the saveNominationInEdigasResponse block.

Error codes:

The networkpoint connected errors are listed in a connectionPointError block.

|  |  |
| --- | --- |
| **Error code** | **Error message** |
| IN0001 | If a shipper nominates for a given network point on a given gasday, then he must have a capacity contract valid for that gasday and that network point. |
| IN0002 | Only nominations for the given gasday and for any of the subsequent 60 days may be submitted. |
| IN0003 | At the network point, regarding the particularly given gashour and given shipper, the value of the shipment task must not exceed the available contracted hourly capacity. |
| IN0005 | Only one type of nomination line can be specified per network point, direction, and per RH partner. |
| IN0007 | It is mandatory to nominate for all network points with capacity in accordance with the reserved/tied/contracted capacity directions. |
| IN0008 | The number of nomination quantities may only be positive! |
| IN0012 | The shipper is in an inactive status and thus can not edit the portfolio. |
| IN0013 | There is no single sided authorization. |
| IN0016 | The network point was not found. |
| IN0017 | The RH partner’s EIC code is not found in the database. |
| IN0019 | The number of gashours differs on the gasday. |
| IN0021 | The nomination document cannot be uploaded more than once. |
| IN0022 | The nomination closing has been started for  {0}, {1}. You can not nominate this gashour. Nomination can be submitted 2 hours prior to leadtime. |
| IN0029 | Minimum limit has been set becuase of FDAUIOLI process. The hourly nomination, must be minimum. |
| IN0049 | Ther is no data for GasHour. |
| IN0058 | The networkuser must be the same as the sender. |
|  |  |
| IN0060 | The nomination row is missing. |
| IN0064 | Because of the nomination closing, pls try to save again in a few minutes. |
| IN0065 | The nomination portfolio has been modified through multiple functions at the same time. Please try again. |
| IN0069 | Nomination at the given hour is not available! |
| IN0081 | Timeinterval is duplicated or overlapping with other periods. |
| IN0082 | Timeinterval is not correct or not on same gasday as the portfolio. |
| IN0085 | The partner is not CEREMP valid. At this networkpoint the given shipper pair must be CEREMP valid. |
| IN0086 | Invalid measureUnit.unitOfMeasureCode KW2! Valid values are: KW1 |
| IN0100 | The Network User of this EIC {0} has alias NU counterparties with this TSO, therefore the NU counterparty can not be identified. The nomination can not be accepted |
| IN0102 | At this networkpoint this alias can not be used. |
| IN0111 | Only one network point can be specified. There is a different network point. |
| IN0113 | The network point is set to Matching role. 04G message can only be sent to a network point where there is no matching. |
| IN0116 | Only harmonized documents can be uploaded for this portfolio. |
| IN0117 | Only not harmonized documents can be uploaded for this portfolio. |
| SS0001 | The registered/logged-in user partner’s code does not match the code in the sender field. |
| SS0002 | The network user code is not found in the database. |
| E0002 | Gas period cannot be null! |
| E0048 | Scheme validation warning! Wrong namaspace. |
| E0035 | Scheme validation warning! |

#### Structure

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Description** | **XML element name** | **Format / type** |
| Error code | In the event of error Error message code. | generalErrorCode | xsd:String |
| Error message | In the event of error Error message. | generalErrorText | xsd:String |
| Success | In the event of success true, otherwise false. | success | xsd:String |

#### Xml Example – In the event of success

<s:Envelope xmlns:s=„http://www.w3.org/2003/05/soap-envelope”>

<s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">

<saveNominationInEdigasResponse xmlns="http://domain.service.fgsz.hu">

<generalErrorCode xsi:nil="true"/>

<generalErrorText xsi:nil="true"/>

<success>true</success>

</saveNominationInEdigasResponse>

</s:Body>

</s:Envelope>

#### Xml Example – In the event of error

<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope" xmlns:a="http://www.w3.org/2005/08/addressing" xmlns:u="http://docs.oasis-open.org/wss/2004/01/**oasis-200401-wss-wssecurity-utility-1.0.xsd"**>

<s:Header>

<a:Action s:mustUnderstand="1">http://domain.service.fgsz.hu/IFGSZShipperServiceSoapWrapper/saveNominationInEdigasResponse</a:Action>

<o:Security s:mustUnderstand="1" xmlns:o="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd">

<u:Timestamp u:Id="\_0">

<u:Created>2018-05-17T14:21:00.963Z</u:Created>

<u:Expires>2018-05-17T14:26:00.963Z</u:Expires>

</u:Timestamp>

</o:Security>

</s:Header>

<s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">

< saveNominationInEdigasResponse xmlns="http://domain.service.fgsz.hu">

<success>false</success>

<generalErrorCode>SS0002</generalErrorCode>

<generalErrorText>[SS0002] Shipper code (SHIPPEREICCODE) is missing fromDB.</generalErrorText>

</ saveNominationInEdigasResponse >

</s:Body>

</s:Envelope>

or

<?xml version=**"1.0"** encoding=**"utf-8"**?>

<s:Envelope xmlns:a=**"http://www.w3.org/2005/08/addressing"** xmlns:s=**"http://www.w3.org/2003/05/soap-envelope"**>

<s:Header>

<a:Action s:mustUnderstand=**"1"**>**http://domain.service.fgsz.hu/SaveNominationInEdigas**</a:Action>

</s:Header>

<s:Body xmlns:xsi=**"http://www.w3.org/2001/XMLSchema-instance"** xmlns:xsd=**"http://www.w3.org/2001/XMLSchema"**>

<saveNominationInEdigasResponse xmlns=**"http://domain.service.fgsz.hu"**>

<connectionPointError xmlns=**""**>

<connectionPoint codingScheme=**"305"**>**39ZKADUNAUJ11GNA - Z03**</connectionPoint>

<error>

<code>**IN0003**</code>

<text>**Dunaújváros 1 (39ZKADUNAUJ11GNA - Z03), Budapesti Erőmű Zrt.(HUFBERT) - 23GH (9 990 kWh/h). A hálózati ponton adott gázórára a szállítási feladat értékének bele kell férnie a rendelkezésre álló nominálható órai kapacitásba.**</text>

</error>

<error>

<code>**IN0003**</code>

<text>**Dunaújváros 1 (39ZKADUNAUJ11GNA - Z03), Budapesti Erőmű Zrt.(HUFBERT) - 24GH (9 990 kWh/h). A hálózati ponton adott gázórára a szállítási feladat értékének bele kell férnie a rendelkezésre álló nominálható órai kapacitásba.**</text>

</error>

</connectionPointError>

<generalErrorCode>**0001**</generalErrorCode>

<generalErrorText />

<success>**false**</success>

</saveNominationInEdigasResponse>

</s:Body>

</s:Envelope>

## SENDING IN/SUBMITTING NOMINATION DATA Edigas 6.1 (SaveNominationInEdigasV61)

### Description

The IP system allows network users to **submit** one-sided and two-sided **nominations for a given gasday, and only for a given network point and only for its one direction** according to the UTC timezone over web-service.

Name of proposed method: **SaveNominationInEdigasV61**

The new method has been expanded to include type 04G in addition to type 01G. Type 04G can only be used to submit nominations for non-matching network points.

### Message with request

The request can be sent in/submitted in a saveNominationInEdigasRequestV61 block containing a standard Edig@s Nomination\_Document block of version 6.1.

A nomination line can be specified with multiple network user pairs (Accounts) for a Network Point (Connection Point) where the nominated values are provided in gashour breakdown (Period).

The basic structure of Nomination\_Document is setup as follows:

* + Internal\_Account (only one block)
    - ConnectionPoint (only one block)
      * NominationType (A01 or/and A02)
      * External\_Account (repetitive block)
        + Period (repetitive block)

timeIntervall

direction.gasDirectionCode

quantity.amount

At least one of the repetitive blocks must be included. The number of the Period blocks must be as high as many gazhours the day contains for which the nomination is submitted. If the nomination is the same in every hour, there is no need for disctinct period blocks for every hour, but the timeIntervall has to cover the whole gasday.

Nomination lines in different directions can not be specified within an Account or within an XML file.

**For a 24-hour day, enter the timeInterval element within the Period for winter time, for the individual hours as follows:**

1. hour 2018-11-01T05:00Z/2018-11-01T06:00Z
2. hour 2018-11-01T06:00Z/2018-11-01T07:00Z

….

1. hour 2018-11-02T00:00Z/2018-11-02T01:00Z
2. hour 2018-11-02T01:00Z/2018-11-02T02:00Z
3. hour 2018-11-02T02:00Z/2018-11-02T03:00Z
4. hour 2018-11-02T03:00Z/2018-11-02T04:00Z
5. hour 2018-11-02T04:00Z/2018-11-02T05:00Z

**For a 24-hour day, enter the timeInterval element for summer time:**

1. hour 2018-04-01T04:00Z/2018-04-01T05:00Z
2. hour 2018-04-01T05:00Z/2018-04-01T06:00Z

….

1. hour 2018-04-01T23:00Z/2018-04-02T00:00Z
2. hour 2018-04-02T00:00Z/2018-04-02T01:00Z
3. hour 2018-04-02T01:00Z/2018-04-02T02:00Z
4. hour 2018-04-02T02:00Z/2018-04-02T03:00Z
5. hour 2018-04-02T03:00Z/2018-04-02T04:00Z

**For a 25-hour day, entering the timeInterval element:**

1. hour 2018-10-27T04:00Z/2018-10-27T05:00Z
2. hour 2018-10-27T05:00Z/2018-10-27T06:00Z

….

1. hour 2018-10-27T23:00Z/2018-10-28T00:00Z
2. hour 2018-10-28T00:00Z/2018-10-28T01:00Z
3. hour 2018-10-28T01:00Z/2018-10-28T02:00Z
4. hour 2018-10-28T02:00Z/2018-10-28T03:00Z
5. hour 2018-10-28T03:00Z/2018-10-28T04:00Z
6. hour 2018-10-28T04:00Z/2018-10-28T05:00Z

**For a 23-hour day, entering the timeInterval element:**

1. hour 2018-03-24T05:00Z/2018-03-24T06:00Z
2. hour 2018-03-24T06:00Z/2018-03-24T07:00Z

….

1. hour 2018-03-25T00:00Z/2018-03-25T01:00Z
2. hour 2018-03-25T01:00Z/2018-03-25T02:00Z
3. hour 2018-03-25T02:00Z/2018-03-25T03:00Z
4. hour 2018-03-25T03:00Z/2018-03-25T04:00Z

Policies, specialties, restrictions/constrains:

* Version: specifies the version number of the document. Only the re-submissions of the same content must be versioned and the version number always starts from 1.
* documentCode: can be 01G, with which type you can nominate for any network point, or it can be 04 G, with which type you can only submit a nomination for a non-matching network point;
* issuer\_MarketParticipiant.marketRole.roleCode: always „ZSH”.
* recipient\_MarketParticipiant.marketRole.roleCode: always „ZSO”.
* codingScheme= for "305” filling must take place with EIC code
* codingScheme= for "ZSO” filling must take place with internal IPNew code
* NominationType.nominationCode: A02 –two-sided, A01-one-sided
* direction.gasDirectionCode: Z03-out, Z02- in
* measureUnit. unitOfMeassureCode: always KW1
* entering validityperiod, and timeInterval: the gasday must be specified in UTC to be filled with edigas period marker: two strings separated by slash symbol

#### Structure

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Description** | **XML element name** | **Format / type** |
| Nomination document | Edig@s specification: <https://www.edigas.org/wp-content/Downloads/Edigas_6.1_-_Version_5_and_6.1_Comparison.pdf> (Page 39., Nomination & Matching - NOMINT) | Nomination\_Document |  |

#### Xml Example1 – 01G

Example 1 – in daily division

<?xml version=**"1.0"** encoding=**"utf-8"**?>

<s:Envelope xmlns:a=**"http://www.w3.org/2005/08/addressing"** xmlns:s=**"http://www.w3.org/2003/05/soap-envelope"**>

<s:Header>

<a:Action s:mustUnderstand=**"1"**>**http://domain.service.fgsz.hu/SaveNominationInEdigasV61**</a:Action>

</s:Header>

<s:Body xmlns:xsi=**"http://www.w3.org/2001/XMLSchema-instance"** xmlns:xsd=**"http://www.w3.org/2001/XMLSchema"**>

<saveNominationInEdigasRequestV61 xmlns=**"http://domain.service.fgsz.hu"**>

<Request>

<Nomination\_Document xmlns=**"urn:easee-gas.eu:edigas:BrpNominationAndMatching:NominationDocument:6:1"** schemaVersion=**"1"**>

<identification>**NEWsoapNOMINT01G-0203001**</identification>

<version>**1**</version>

<documentCode>**01G**</documentCode>

<creationDateTime>**2025-02-03T10:30:47Z**</creationDateTime>

<validityPeriod>**2025-02-04T05:00Z/2025-02-05T05:00Z**</validityPeriod>

<issuer\_MarketParticipant.identification codingScheme=**"305"**>**SHIPPEREICCODE**</issuer\_MarketParticipant.identification>

<issuer\_MarketParticipant.marketRole.roleCode>**ZSH**</issuer\_MarketParticipant.marketRole.roleCode>

<recipient\_MarketParticipant.identification codingScheme=**"305"**>**FGSZEICCODE**</recipient\_MarketParticipant.identification>

<recipient\_MarketParticipant.marketRole.roleCode>**ZSO**</recipient\_MarketParticipant.marketRole.roleCode>

<Internal\_Account>

<internalAccount codingScheme=**"305"**>**SHIPPEREICCODE**</internalAccount>

<ConnectionPoint>

<identification codingScheme=**"305"**>**POINTEICCODE**</identification>

<measureUnit.unitOfMeasureCode>**KW1**</measureUnit.unitOfMeasureCode>

<NominationType>

<nominationCode>**A02**</nominationCode>

<External\_Account>

<externalAccount codingScheme=**"305"**>**SHIPPEREICCODE**</externalAccount>

<Period>

<timeInterval>**2025-02-04T05:00Z/2025-02-05T05:00Z**</timeInterval>

<direction.gasDirectionCode>**Z02**</direction.gasDirectionCode>

<quantity.amount>**555**</quantity.amount>

</Period>

</External\_Account>

<External\_Account>

<externalAccount codingScheme=**"305"**>**SHIPPEREICCODE**</externalAccount>

<Period>

<timeInterval>**2025-02-04T05:00Z/2025-02-05T05:00Z**</timeInterval>

<direction.gasDirectionCode>**Z02**</direction.gasDirectionCode>

<quantity.amount>**444**</quantity.amount>

</Period>

</External\_Account>

</NominationType>

<NominationType>

<nominationCode>**A01**</nominationCode>

<External\_Account>

<externalAccount codingScheme=**"305"**>**SHIPPEREICCODE**</externalAccount>

<Period>

<timeInterval>**2025-02-04T05:00Z/2025-02-05T05:00Z**</timeInterval>

<direction.gasDirectionCode>**Z02**</direction.gasDirectionCode>

<quantity.amount>**666**</quantity.amount>

</Period>

</External\_Account>

</NominationType>

</ConnectionPoint>

</Internal\_Account>

</Nomination\_Document>

</Request>

</saveNominationInEdigasRequestV61>

</s:Body>

</s:Envelope>

Example 2 – in hourly division

<?xml version=**"1.0"** encoding=**"utf-8"**?>

<s:Envelope xmlns:a=**"http://www.w3.org/2005/08/addressing"** xmlns:s=**"http://www.w3.org/2003/05/soap-envelope"**>

<s:Header>

<a:Action s:mustUnderstand=**"1"**>**http://domain.service.fgsz.hu/SaveNominationInEdigasV61**</a:Action>

</s:Header>

<s:Body xmlns:xsi=**"http://www.w3.org/2001/XMLSchema-instance"** xmlns:xsd=**"http://www.w3.org/2001/XMLSchema"**>

<saveNominationInEdigasRequestV61 xmlns=**"http://domain.service.fgsz.hu"**>

<Request>

<Nomination\_Document xmlns=**"urn:easee-gas.eu:edigas:BrpNominationAndMatching:NominationDocument:6:1"** schemaVersion=**"1"**>

<identification>**NEWsoapNOMINT01G-0124002**</identification>

<version>**1**</version>

<documentCode>**01G**</documentCode>

<creationDateTime>**2025-01-24T10:30:47Z**</creationDateTime>

<validityPeriod>**2025-01-25T05:00Z/2025-01-26T05:00Z**</validityPeriod>

<issuer\_MarketParticipant.identification codingScheme=**"305"**>**SHIPPEREICCODE**</issuer\_MarketParticipant.identification>

<issuer\_MarketParticipant.marketRole.roleCode>**ZSH**</issuer\_MarketParticipant.marketRole.roleCode>

<recipient\_MarketParticipant.identification codingScheme=**"305"**>**FGSZEICCODE**</recipient\_MarketParticipant.identification>

<recipient\_MarketParticipant.marketRole.roleCode>**ZSO**</recipient\_MarketParticipant.marketRole.roleCode>

<Internal\_Account>

<internalAccount codingScheme=**"305"**>**SHIPPEREICCODE**</internalAccount>

<ConnectionPoint>

<identification codingScheme=**"305"**>**POINTEICCODE**</identification>

<measureUnit.unitOfMeasureCode>**KW2**</measureUnit.unitOfMeasureCode>

<NominationType>

<nominationCode>**A02**</nominationCode>

<External\_Account>

<externalAccount codingScheme=**"305"**>**SHIPPEREICCODE**</externalAccount>

<Period>

<timeInterval>**2025-01-25T05:00Z/2025-01-25T06:00Z**</timeInterval>

<direction.gasDirectionCode>**Z02**</direction.gasDirectionCode>

<quantity.amount>**1000**</quantity.amount>

</Period>

<Period>

<timeInterval>**2025-01-25T06:00Z/2025-01-25T07:00Z**</timeInterval>

<direction.gasDirectionCode>**Z02**</direction.gasDirectionCode>

<quantity.amount>**1000**</quantity.amount>

</Period>

<Period>

<timeInterval>**2025-01-25T07:00Z/2025-01-25T08:00Z**</timeInterval>

<direction.gasDirectionCode>**Z02**</direction.gasDirectionCode>

<quantity.amount>**1000**</quantity.amount>

</Period>

<Period>

<timeInterval>**2025-01-25T08:00Z/2025-01-25T09:00Z**</timeInterval>

<direction.gasDirectionCode>**Z02**</direction.gasDirectionCode>

<quantity.amount>**555**</quantity.amount>

</Period>

<Period>

<timeInterval>**2025-01-25T09:00Z/2025-01-25T10:00Z**</timeInterval>

<direction.gasDirectionCode>**Z02**</direction.gasDirectionCode>

<quantity.amount>**555**</quantity.amount>

</Period>

<Period>

<timeInterval>**2025-01-25T10:00Z/2025-01-25T11:00Z**</timeInterval>

<direction.gasDirectionCode>**Z02**</direction.gasDirectionCode>

<quantity.amount>**555**</quantity.amount>

</Period>

<Period>

<timeInterval>**2025-01-25T11:00Z/2025-01-25T12:00Z**</timeInterval>

<direction.gasDirectionCode>**Z02**</direction.gasDirectionCode>

<quantity.amount>**555**</quantity.amount>

</Period>

<Period>

<timeInterval>**2025-01-25T12:00Z/2025-01-25T13:00Z**</timeInterval>

<direction.gasDirectionCode>**Z02**</direction.gasDirectionCode>

<quantity.amount>**555**</quantity.amount>

</Period>

<Period>

<timeInterval>**2025-01-25T13:00Z/2025-01-25T14:00Z**</timeInterval>

<direction.gasDirectionCode>**Z02**</direction.gasDirectionCode>

<quantity.amount>**555**</quantity.amount>

</Period>

<Period>

<timeInterval>**2025-01-25T14:00Z/2025-01-25T15:00Z**</timeInterval>

<direction.gasDirectionCode>**Z02**</direction.gasDirectionCode>

<quantity.amount>**555**</quantity.amount>

</Period>

<Period>

<timeInterval>**2025-01-25T15:00Z/2025-01-25T16:00Z**</timeInterval>

<direction.gasDirectionCode>**Z02**</direction.gasDirectionCode>

<quantity.amount>**555**</quantity.amount>

</Period>

<Period>

<timeInterval>**2025-01-25T16:00Z/2025-01-25T17:00Z**</timeInterval>

<direction.gasDirectionCode>**Z02**</direction.gasDirectionCode>

<quantity.amount>**555**</quantity.amount>

</Period>

<Period>

<timeInterval>**2025-01-25T17:00Z/2025-01-25T18:00Z**</timeInterval>

<direction.gasDirectionCode>**Z02**</direction.gasDirectionCode>

<quantity.amount>**555**</quantity.amount>

</Period>

<Period>

<timeInterval>**2025-01-25T18:00Z/2025-01-25T19:00Z**</timeInterval>

<direction.gasDirectionCode>**Z02**</direction.gasDirectionCode>

<quantity.amount>**555**</quantity.amount>

</Period>

<Period>

<timeInterval>**2025-01-25T19:00Z/2025-01-25T20:00Z**</timeInterval>

<direction.gasDirectionCode>**Z02**</direction.gasDirectionCode>

<quantity.amount>**2000**</quantity.amount>

</Period>

<Period>

<timeInterval>**2025-01-25T20:00Z/2025-01-25T21:00Z**</timeInterval>

<direction.gasDirectionCode>**Z02**</direction.gasDirectionCode>

<quantity.amount>**2000**</quantity.amount>

</Period>

<Period>

<timeInterval>**2025-01-25T21:00Z/2025-01-25T22:00Z**</timeInterval>

<direction.gasDirectionCode>**Z02**</direction.gasDirectionCode>

<quantity.amount>**2000**</quantity.amount>

</Period>

<Period>

<timeInterval>**2025-01-25T22:00Z/2025-01-25T23:00Z**</timeInterval>

<direction.gasDirectionCode>**Z02**</direction.gasDirectionCode>

<quantity.amount>**2000**</quantity.amount>

</Period>

<Period>

<timeInterval>**2025-01-25T23:00Z/2025-01-26T00:00Z**</timeInterval>

<direction.gasDirectionCode>**Z02**</direction.gasDirectionCode>

<quantity.amount>**2000**</quantity.amount>

</Period>

<Period>

<timeInterval>**2025-01-26T00:00Z/2025-01-26T01:00Z**</timeInterval>

<direction.gasDirectionCode>**Z02**</direction.gasDirectionCode>

<quantity.amount>**2000**</quantity.amount>

</Period>

<Period>

<timeInterval>**2025-01-26T01:00Z/2025-01-26T02:00Z**</timeInterval>

<direction.gasDirectionCode>**Z02**</direction.gasDirectionCode>

<quantity.amount>**2000**</quantity.amount>

</Period>

<Period>

<timeInterval>**2025-01-26T02:00Z/2025-01-26T03:00Z**</timeInterval>

<direction.gasDirectionCode>**Z02**</direction.gasDirectionCode>

<quantity.amount>**2000**</quantity.amount>

</Period>

<Period>

<timeInterval>**2025-01-26T03:00Z/2025-01-26T04:00Z**</timeInterval>

<direction.gasDirectionCode>**Z02**</direction.gasDirectionCode>

<quantity.amount>**2000**</quantity.amount>

</Period>

<Period>

<timeInterval>**2025-01-26T04:00Z/2025-01-26T05:00Z**</timeInterval>

<direction.gasDirectionCode>**Z02**</direction.gasDirectionCode>

<quantity.amount>**2000**</quantity.amount>

</Period>

</External\_Account>

</NominationType>

</ConnectionPoint>

</Internal\_Account>

</Nomination\_Document>

</Request>

</saveNominationInEdigasRequestV61>

</s:Body>

</s:Envelope>

#### Xml Example2 – 04G

If the shipperpair is not specified in the XML file, the system will automatically fill in the nomination line with the specified shipper.

<?xml version=**"1.0"** encoding=**"utf-8"**?>

<s:Envelope xmlns:a=**"http://www.w3.org/2005/08/addressing"** xmlns:s=**"http://www.w3.org/2003/05/soap-envelope"**>

<s:Header>

<a:Action s:mustUnderstand=**"1"**>**http://domain.service.fgsz.hu/SaveNominationInEdigasV61**</a:Action>

</s:Header>

<s:Body xmlns:xsi=**"http://www.w3.org/2001/XMLSchema-instance"** xmlns:xsd=**"http://www.w3.org/2001/XMLSchema"**>

<saveNominationInEdigasRequestV61 xmlns=**"http://domain.service.fgsz.hu"**>

<Request>

<Nomination\_Document xmlns=**"urn:easee-gas.eu:edigas:BrpNominationAndMatching:NominationDocument:6:1"** schemaVersion=**"1"**>

<identification>**NOMINT-04G-0211001**</identification>

<version>**1**</version>

<documentCode>**04G**</documentCode>

<creationDateTime>**2025-02-11T11:30:47Z**</creationDateTime>

<validityPeriod>**2025-02-12T05:00Z/2025-02-13T05:00Z**</validityPeriod>

<issuer\_MarketParticipant.identification codingScheme=**"305"**>**SHIPPEREICCODE**</issuer\_MarketParticipant.identification>

<issuer\_MarketParticipant.marketRole.roleCode>**ZSH**</issuer\_MarketParticipant.marketRole.roleCode>

<recipient\_MarketParticipant.identification codingScheme=**"305"**>**FGSZEICCODE**</recipient\_MarketParticipant.identification>

<recipient\_MarketParticipant.marketRole.roleCode>**ZSO**</recipient\_MarketParticipant.marketRole.roleCode>

<Internal\_Account>

<internalAccount codingScheme=**"305"**>**SHIPPEREICCODE**</internalAccount>

<ConnectionPoint>

<identification codingScheme=**"305"**>**POINTEICCODE**</identification>

<measureUnit.unitOfMeasureCode>**KW1**</measureUnit.unitOfMeasureCode>

<Period>

<timeInterval>**2025-02-12T05:00Z/2025-02-13T05:00Z**</timeInterval>

<direction.gasDirectionCode>**Z03**</direction.gasDirectionCode>

<quantity.amount>**111**</quantity.amount>

</Period>

</ConnectionPoint>

</Internal\_Account>

</Nomination\_Document>

</Request>

</saveNominationInEdigasRequestV61>

</s:Body>

</s:Envelope>

### Message with response

The response is returned in the saveNominationInEdigasResponse block.

Error codes:

The networkpoint connected errors are listed in a connectionPointError block.

See section 3.2.3 Message with response.

#### Structure

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Description** | **XML element name** | **Format / type** |
| Error code | In the event of error Error message code. | generalErrorCode | xsd:String |
| Error message | In the event of error Error message. | generalErrorText | xsd:String |
| Success | In the event of success true, otherwise false. | success | xsd:String |

#### Xml Example – In the event of success

<?xml version=**"1.0"** encoding=**"utf-8"**?>

<s:Envelope xmlns:a=**"http://www.w3.org/2005/08/addressing"** xmlns:s=**"http://www.w3.org/2003/05/soap-envelope"**>

<s:Header>

<a:Action s:mustUnderstand=**"1"**>**http://domain.service.fgsz.hu/SaveNominationInEdigasV61**</a:Action>

</s:Header>

<s:Body xmlns:xsi=**"http://www.w3.org/2001/XMLSchema-instance"** xmlns:xsd=**"http://www.w3.org/2001/XMLSchema"**>

<saveNominationInEdigasResponseV61 xmlns=**"http://domain.service.fgsz.hu"**>

<generalErrorCode xsi:nil=**"true"** />

<generalErrorText xsi:nil=**"true"** />

<success>**true**</success>

</saveNominationInEdigasResponseV61>

</s:Body>

</s:Envelope>

#### Xml Example – In the event of error

<?xml version=**"1.0"** encoding=**"utf-8"**?>

<s:Envelope xmlns:a=**"http://www.w3.org/2005/08/addressing"** xmlns:s=**"http://www.w3.org/2003/05/soap-envelope"**>

<s:Header>

<a:Action s:mustUnderstand=**"1"**>**http://domain.service.fgsz.hu/SaveNominationInEdigasV61**</a:Action>

</s:Header>

<s:Body xmlns:xsi=**"http://www.w3.org/2001/XMLSchema-instance"** xmlns:xsd=**"http://www.w3.org/2001/XMLSchema"**>

<saveNominationInEdigasResponseV61 xmlns=**"http://domain.service.fgsz.hu"**>

<generalErrorCode>**0001**</generalErrorCode>

<generalErrorText>**[IN0021] The (NEWsoapNOMINT01G-0203001, 1) nomination document cannot be uploaded more than once.**</generalErrorText>

<success>**false**</success>

</saveNominationInEdigasResponseV61>

</s:Body>

</s:Envelope>

## SENDING IN/SUBMITTING SSN AUTHORIZATION IN AS4 MESSAGE, Edigas 6.1 (EdigasV61\_ANN\_NominationAuthorisationDocument)

### Description

The IP system allows network users to **submit SSN authorization for a given network point and its given direction, in AS4 message** over webservice interface.

Name of the proposed method: **EdigasV61\_ANN\_NominationAuthorisationDocument**

### Message with request

The request can be sent in/submitted in a NominationAuthorisation\_Document block containing a standard structure in Edig@s version 6.1.

A separate authorization must be submitted for each network point, for each active and passive shipperpair. The SSN authorization is always submitted by the active balancing partner in terms of SSN nomination. The submitted authorization must be approved by FGSZ TSO.

The basic structure of NominationAuthorisation\_Document is setup as follows:

* + Passive\_MarketParticipant (only one block)
    - Passive\_Account (only one block)
      * ConnectionPoint (only one block)
        + Active\_Account (only one block)

externalAccount

externalAccountTso

active\_MarketParticipant.identification

period.timeInterval

The Passive\_Account section specifies the passive balancing partner, and the Active\_Account section specifies the active balancing partner in terms of SSN nomination. The Network Point ID must always be specified with the codingScheme identifier "ZSO", which clearly identifies the network point (also according to its direction).

Policies, specialties, restrictions/constrains:

* Version: specifies the version number of the document. The document identification and version must be unique together.
* documentCode: always ANN;
* issuer\_MarketParticipiant.marketRole.roleCode: always „ZSH”.
* recipient\_MarketParticipiant.marketRole.roleCode: always „ZSO”.
* codingScheme="305” filling must take place with EIC code
* codingScheme="ZSO” filling must take place with internal IPNew code
* connectionPoint.identification: always „ZSO” codingScheme identification

#### Structure

A NominationAuthorisation\_Document block:

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Description** | **XML element name** | **Format / type** |
| NOMAUT | Edig@s specification: <https://www.edigas.org/wp-content/Downloads/Edigas_6.1_-_Version_5_and_6.1_Comparison.pdf> (Page 37., Nomination & Matching - NOMAUT) | DeliveryOrder\_Document |  |

#### Xml Example

<q1:NominationAuthorisation\_Document schemaVersion=**"xxx"** xmlns:q1=**"urn:easee-gas.eu:edigas:BrpNominationAndMatching:NominationAuthorisationDocument:6:1"**>

<q1:identification>**NEWSSN\_ANN0220001**</q1:identification>

<q1:version>**1**</q1:version>

<q1:documentCode>**ANN**</q1:documentCode>

<q1:creationDateTime>**2025-02-20T09:00:00Z**</q1:creationDateTime>

<q1:validityPeriod>**2025-02-20T00:00Z/2025-08-30T00:00Z**</q1:validityPeriod>

<q1:issuer\_MarketParticipant.identification codingScheme=**"305"**>**SHIPPEREICCODE**</q1:issuer\_MarketParticipant.identification>

<q1:issuer\_MarketParticipant.marketRole.roleCode>**ZSH**</q1:issuer\_MarketParticipant.marketRole.roleCode>

<q1:recipient\_MarketParticipant.identification codingScheme=**"305"**>**FGSZEICCODE**</q1:recipient\_MarketParticipant.identification>

<q1:recipient\_MarketParticipant.marketRole.roleCode>**ZSO**</q1:recipient\_MarketParticipant.marketRole.roleCode>

<q1:Passive\_MarketParticipant>

<q1:identification codingScheme=**"305"**>**SHIPPERPAIREICCODE**</q1:identification>

<q1:Passive\_Account>

<q1:internalAccount codingScheme=**"305"**>**SHIPPERPAIREICCODE**</q1:internalAccount>

<q1:internalAccountTso codingScheme=**"305"**>**xxx**</q1:internalAccountTso>

<q1:ConnectionPoint>

<q1:identification codingScheme=**"ZSO"**>**POINTCODE**</q1:identification>

<q1:Active\_Account>

<q1:externalAccount codingScheme=**"305"**>**SHIPPEREICCODE**</q1:externalAccount>

<q1:externalAccountTso codingScheme=**"305"**>**xxx**</q1:externalAccountTso>

<q1:active\_MarketParticipant.identification codingScheme=**"305"**>**SHIPPEREICCODE**</q1:active\_MarketParticipant.identification>

<q1:period.timeInterval>**2025-02-20T00:00Z/2025-08-30T00:00Z**</q1:period.timeInterval>

</q1:Active\_Account>

</q1:ConnectionPoint>

</q1:Passive\_Account>

</q1:Passive\_MarketParticipant>

</q1:NominationAuthorisation\_Document>

### Message with response

Error codes:

|  |  |
| --- | --- |
| **Error code** | **Error message** |
| SSN0001 | Identification of the passive party must be based on EIC or IP code. |
| SSN0002 | Passive party cannot be found with the identification provided. |
| SSN0003 | Passive party must provide exactly one account. |
| SSN0004 | Identification of the network point must be based on EIC or IP code. |
| SSN0005 | Network point cannot be found with the identification provided: {0}. |
| SSN0006 | Identification of the active party must be based on EIC or IP code. |
| SSN0007 | Active party cannot be found with the identification provided {0}. |
| SSN0008 | The period time interval has an invalid format: {0}. |
| SSN0009 | You can only submit authorization for your own organization. |
| SSN0010 | The specified shipper ({0}) has already submitted a NOMAUT\_ANN document with the given version ({1}) and identifier ({2}). |
| SSN0011 | SSN is not permitted on the selected network point! |
| SSN0012 | The selected partner must be the same as the active balancing partner! |
| SSN0013 | The active balancing partner must be a shipper! |
| SSN0014 | The passive balancing partner must be a shipper or a shipper pair! |
| SSN0015 | The selected partner must be the same as the passive balancing partner! |
| SSN0016 | The active balancing partner must be a shipper or a shipper pair! |
| SSN0017 | The passive balancing partner must be a shipper! |
| SSN0018 | The selected partner must be a shipper! |
| SSN0019 | The sender partner ({0}) does not exist! |
| SSN0020 | The recipient TSO ({0}) must be FGSZ! |
| SSN0021 | The active and the passive balancing partner must be different! |

#### Structure

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Description** | **XML element name** | **Format / type** |
| Error code | In the event of error Error message code. | <q1:reasonCode>**xxx**</q1:reasonCode> | xsd:String |
| Error message | In the event of error Error message. | <q1:text>**xxx**</q1:text> | xsd:String |
| Success | In the event of success. | <NULL> | xsd:String |

#### Xml Example – In the event of success

<NULL>

#### Xml Example – In the event of error

<q1:Acknowledgement\_Document schemaVersion=**"1"** xmlns:q1=**"urn:easee-gas.eu:edigas:General:AcknowledgementDocument:6:1"**>

<q1:identification>**9ed7a11375a8497896fbbb40aff579dd**</q1:identification>

<q1:version>**1**</q1:version>

<q1:documentCode>**294**</q1:documentCode>

<q1:creationDateTime>**2025-02-20T13:39:33Z**</q1:creationDateTime>

<q1:validityPeriod>**2025-02-20T13:09Z/2025-02-20T14:09Z**</q1:validityPeriod>

<q1:issuer\_MarketParticipant.identification codingScheme=**"305"**>**FGSZEICCODE**</q1:issuer\_MarketParticipant.identification>

<q1:issuer\_MarketParticipant.marketRole.roleCode>**ZSO**</q1:issuer\_MarketParticipant.marketRole.roleCode>

<q1:recipient\_MarketParticipant.identification codingScheme=**"305"**>**SHIPEREICCODE**</q1:recipient\_MarketParticipant.identification>

<q1:recipient\_MarketParticipant.marketRole.roleCode>**ZSH**</q1:recipient\_MarketParticipant.marketRole.roleCode>

<q1:receiving\_Document.identification>**NEWSSN\_ANN0220001**</q1:receiving\_Document.identification>

<q1:receiving\_Document.version>**2**</q1:receiving\_Document.version>

<q1:receiving\_Document.documentCode>**ANN**</q1:receiving\_Document.documentCode>

<q1:receiving\_Document.creationDateTime>**2025-02-20T09:00:00Z**</q1:receiving\_Document.creationDateTime>

<q1:Reason>

<q1:reasonCode>**68G**</q1:reasonCode>

<q1:text>**[SSN0005] Network point cannot be found with the identification provided: EDRAVA.**</q1:text>

</q1:Reason>

</q1:Acknowledgement\_Document>

## QUERY/REQUEST FOR NOMINATION DATA READING (GetNomination)

### Description

The IP system allows network users to **query nomination data** over a webservice for a given gasday.

Name of the proposed method: **GetNomination**

The data service retrieves the nomination lines in the queried version of the shipping portfolio. If no version number is specified, then the nomination lines for the latest version are shown. The capacity of the network user the he may nominate can be queried in the version zero.

### Message with request

In a getNominationRequest block, you can query/retrieve the nominations of the network user for a given gasday.

#### Structure

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Description** | **XML element name** | **Format / type** |
| Date of creation | Date/time of creation of message. The new IP does not use the field. | creationDate | xsd:dateTime |
| Unique identifier of the message | An identifier generated by the sender that identifies exactly one of the messages he has ever sent. The new IP does not use the field. | messageID | xsd:Number |
| Sender ID | The EIC or IP code of the sender or the partner who assigned the actual sender with sending the message. The accepted coding schemes are ZZZ, which means the IP code, or 305, which means EIC code | sender | xsd:String |
| Subject Gas Day | The gasday whose nomination lines are queried. | subjectGasDay | xsd:date (ÉÉÉÉ-HH-NN) |
| Portfolio Version | The version of the balancing portfolio whose nomination lines are queried. | version | xsd:Number |

#### Xml Example

<soapenv:Envelope xmlns:soapenv=**"http://www.w3.org/2003/05/soap-envelope"** xmlns:dom=**"http://domain.service.fgsz.hu"**>

<soapenv:Header/>

<soapenv:Body>

<dom:getNominationRequest>

<dom:messageHeader>

<dom:creationDate>**2022-02-23T22:30:47Z**</dom:creationDate>

<dom:messageId>**1**</dom:messageId>

<dom:sender codingScheme=**"ZZZ"**>**SHIPPERCODE**</dom:sender>

</dom:messageHeader>

<dom:subjectGasDay>**2022-02-24**</dom:subjectGasDay>

<dom:version>**1**</dom:version>

</dom:getNominationRequest>

</soapenv:Body>

</soapenv:Envelope>

### Message with response

The IP system’s GetNominationResponse block will return the total of nomination lines regarding the network user to the requested gasday. The data of any nomination line is contained in the nominationLine repeating block, in which the nomination data are listed by hourly breakdown in hourlyQuantity repeating blocks.

Policies, specialties, restrictions/constrains:

* At present, in the responsemessagestructures, the attribute value for encoding scheme is "ZZZ" or “305” depending on the partner’s communicating code type. EXCEPTION: due to specific partner requirements, the coding scheme of the GetTradeAgreementsResponse and the GetNominationResponse is always „ZZZ” filled with internal code
* codingScheme= for "305” it must be filled with an EIC code
* codingScheme= for "ZZZ” it must be filled with an internal code
* measureUnit.code: always KW1, because it is about hourly data

Error codes:

|  |  |
| --- | --- |
| **Error code** | **Error message** |
| SS0001 | The registered/logged-in user partner’s code does not match the code in the sender field. |
| SS0002 | The network user code is not found in the database. |
| IN0041 | Not specified or incorrectly specified gasday! |
| IN0099 | Nomination Portfolio Not Found or you have No Eligibility! |

#### Structure

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Description** | **XML element name** | **Format / type** |
| Date of creation | Creation date/time of message | creationTime | xsd:dateTime |
| Gas Day | The gasday whose nomination lines are listed in the message. | date | xsd:dateTime |
| Error message | In the event of error Error message. | generalErrorText | xsd:String |
| Error code | In the event of error Error message code. | generalErrorCode | xsd:String |
| Serial number | The serial number of the nomination line | lineNumber | xsd:Number |
| Network Point ID | The IP code of the network point for which the nomination has been entered. | networkPoint | xsd:String |
| Network User Partner ID | The IP User Code of the Network User Partner. | shipperPair | xsd:String |
| Gashour | The serial number of the gashour to which the quantity refers to. Value set: 1-25 | gasHour | xsd:Number |
| Hourly Quantity | The nominated quantity for a given gashour in kWH/hour. | quantity | xsd:Number |

#### Xml Example – In the event of success

<s:Envelope xmlns:s=„http://www.w3.org/2003/05/soap-envelope”>

<s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">

<GetNominationResponse xmlns="http://domain.service.fgsz.hu">

<creationTime>2018-02-16T10:06:46.757</creationTime>

<date>2018-03-07</date>

<generalErrorText xsi:nil="true"/>

<generalErrorCodee xsi:nil="true"/>

<nominationLine>

<lineNumber>1</lineNumber>

<networkPoint codingScheme="ZZZ">PONTCODE</networkPoint>

<shipperPair codingScheme="ZZZ">SHIPPERCODe</shipperPair>

<hourlyQuantity>

<gasHour>1</gasHour>

<quantity measureUnit="KW1">0</quantity>

</hourlyQuantity>

<hourlyQuantity>

<gasHour>2</gasHour>

<quantity measureUnit="KW1">0</quantity>

</hourlyQuantity>

<hourlyQuantity>

<gasHour>3</gasHour>

<quantity measureUnit="KW1">0</quantity>

</hourlyQuantity>

<hourlyQuantity>

<gasHour>4</gasHour>

<quantity measureUnit="KW1">0</quantity>

</hourlyQuantity>

<hourlyQuantity>

<gasHour>5</gasHour>

<quantity measureUnit="KW1">0</quantity>

</hourlyQuantity>

<hourlyQuantity>

<gasHour>6</gasHour>

<quantity measureUnit="KW1">0</quantity>

</hourlyQuantity>

<hourlyQuantity>

<gasHour>7</gasHour>

<quantity measureUnit="KW1">0</quantity>

</hourlyQuantity>

<hourlyQuantity>

<gasHour>8</gasHour>

<quantity measureUnit="KW1">0</quantity>

</hourlyQuantity>

<hourlyQuantity>

<gasHour>9</gasHour>

<quantity measureUnit="KW1">0</quantity>

</hourlyQuantity>

<hourlyQuantity>

<gasHour>10</gasHour>

<quantity measureUnit="KW1">0</quantity>

</hourlyQuantity>

<hourlyQuantity>

<gasHour>11</gasHour>

<quantity measureUnit="KW1">0</quantity>

</hourlyQuantity>

<hourlyQuantity>

<gasHour>12</gasHour>

<quantity measureUnit="KW1">0</quantity>

</hourlyQuantity>

<hourlyQuantity>

<gasHour>13</gasHour>

<quantity measureUnit="KW1">0</quantity>

</hourlyQuantity>

<hourlyQuantity>

<gasHour>14</gasHour>

<quantity measureUnit="KW1">0</quantity>

</hourlyQuantity>

<hourlyQuantity>

<gasHour>15</gasHour>

<quantity measureUnit="KW1">0</quantity>

</hourlyQuantity>

<hourlyQuantity>

<gasHour>16</gasHour>

<quantity measureUnit="KW1">0</quantity>

</hourlyQuantity>

<hourlyQuantity>

<gasHour>17</gasHour>

<quantity measureUnit="KW1">0</quantity>

</hourlyQuantity>

<hourlyQuantity>

<gasHour>18</gasHour>

<quantity measureUnit="KW1">0</quantity>

</hourlyQuantity>

<hourlyQuantity>

<gasHour>19</gasHour>

<quantity measureUnit="KW1">0</quantity>

</hourlyQuantity>

<hourlyQuantity>

<gasHour>20</gasHour>

<quantity measureUnit="KW1">0</quantity>

</hourlyQuantity>

<hourlyQuantity>

<gasHour>21</gasHour>

<quantity measureUnit="KW1">0</quantity>

</hourlyQuantity>

<hourlyQuantity>

<gasHour>22</gasHour>

<quantity measureUnit="KW1">0</quantity>

</hourlyQuantity>

<hourlyQuantity>

<gasHour>23</gasHour>

<quantity measureUnit="KW1">0</quantity>

</hourlyQuantity>

<hourlyQuantity>

<gasHour>24</gasHour>

<quantity measureUnit="KW1">0</quantity>

</hourlyQuantity>

<hourlyQuantity>

<gasHour>25</gasHour>

<quantity measureUnit="KW1">0</quantity>

</hourlyQuantity>

</nominationLine>

<status>NominationPortfolio\_Open</status>

<success>true</success>

<version>0</version>

</GetNominationResponse>

</s:Body>

</s:Envelope>

#### Xml Example – In the event of error

<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope" xmlns:a="http://www.w3.org/2005/08/addressing" xmlns:u="http://docs.oasis-open.org/wss/2004/01/**oasis-200401-wss-wssecurity-utility-1.0.xsd"**>

<s:Header>

<a:Action s:mustUnderstand="1">http://domain.service.fgsz.hu/IFGSZShipperServiceSoapWrapper/GetNomination</a:Action>

<o:Security s:mustUnderstand="1" xmlns:o="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd">

<u:Timestamp u:Id="\_0">

<u:Created>2018-05-17T14:21:00.963Z</u:Created>

<u:Expires>2018-05-17T14:26:00.963Z</u:Expires>

</u:Timestamp>

</o:Security>

</s:Header>

<s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">

< GetNominationResponse xmlns="http://domain.service.fgsz.hu">

<success>false</success>

<generalErrorCode>SS0002</generalErrorCode>

<generalErrorText>[SS0002] Shipper code (SHIPPEREICCODE) is missing fromDB.</generalErrorText>

</ GetNominationResponse >

</s:Body>

</s:Envelope>

## SENDING IN/SUBMITTING TRADE OFFERS/BIDS (SaveTradeNomination)

### Description

The IP system allows network users to **enter transaction notifications** for a given gasday over webservice.

Data may only be received for such a respective gas day that is not completely closed, ie. the status of the portfolios is not All Closed.

Trade matching runs the same way as for manual recording/filing.

Cancel and Delete funcions can be made over this method filling the amount with zero of an already existing trade.

Name of the proposed method: **SaveTradeNomination**

### Message with request

In a saveTradeAgreementProposalRequest block, you can transfer one or more transaction notifications to the IP system in repetitive tradeAgreement blocks.

Policies, specialties, restrictions/constrains:

* At present, in the response messages structures, the attribute value for encoding scheme is "ZSO" or “305” depending on the partner’s communicating code type.
* codingScheme= for "305” it must be filled with an EIC code
* codingScheme= for "ZZZ” it mustbe filled with an internal code
* measureUnit.code: always KW2

#### Structure

Fields to be filled out and the fields of the tradeAgreement block:

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Description** | **XML element name** | **Format / type** |
| Date of creation | Date of creation of message. The new IP does not use the field. | creationDate | xsd:dateTime |
| Unique identifier of the message | Unique identifier generated by the sender, which identifies exactly one of the messages he has ever sent. The new IP does not use the field. | messageID | xsd:Number |
| Sender's ID | The sender's or the partner's EIC or IP code that assigned the actual sender with sending the message. | sender | xsd:String |
| Subject gasday | The Gas Day of the Transaction Notification. | subjectGasDay | xsd:date (ÉÉÉÉ-HH-NN) |
| Serial number | The serial number of the transaction notification sent in. | lineNumber | xsd:Number |
| Network Point ID | The code for the network point for which/where the deal takes place. | location | xsd:String |
| Trade Partner Identifier | The EIC or IP code of the partner who is a trading partner in the transaction notification. | partner | xsd:String |
| Direction | The direction of the network point at which the trading takes place. Value set: IN, OUT. | direction | xsd:String |
| Type | Type of transaction notification. Value set: Acquiring, Disposing | type | xsd:String |
| Daily quantity | Quantity submitted by the network user in kWh/day. | dailyQuantity | xsd:Number |
| Note | Note | comment | xsd:String |

#### Xml Example

<soapenv:Envelope xmlns:soapenv=**"http://www.w3.org/2003/05/soap-envelope"** xmlns:dom=**"http://domain.service.fgsz.hu"**>

<soapenv:Header/>

<soapenv:Body>

<dom:saveTradeAgreementProposalRequest>

<dom:messageHeader>

<dom:creationDate>**2022-02-23T22:30:47Z**</dom:creationDate>

<dom:messageId>**1**</dom:messageId>

<dom:sender codingScheme=**"ZZZ"**>**SHIPPERCODE1**</dom:sender>

</dom:messageHeader>

<dom:subjectGasDay>**2022-02-25**</dom:subjectGasDay>

<dom:tradeAgreement>

<dom:lineNumber>**1**</dom:lineNumber>

<dom:location codingScheme=**"ZZZ"**>**POINTCODE**</dom:location>

<dom:partner codingScheme=**"ZZZ"**>**SHIPPERCODE2**</dom:partner>

<dom:direction>**OUT**</dom:direction>

<dom:type>**Acquiring**</dom:type>

<dom:dailyQuantity measureUnit=**"KW2"**>**900**</dom:dailyQuantity>

<dom:comment>**?**</dom:comment>

</dom:tradeAgreement>

</dom:saveTradeAgreementProposalRequest>

</soapenv:Body>

</soapenv:Envelope>

### Message with response

The IP system returns the success or error message in the saveTradeAgreementProposalResponse block.

* At present, in the response messages tructures, the attribute value for encoding scheme is "ZSO" or “305” depending on the partner’s communicating code type.
* codingScheme= for "305” it must be filled with an EIC code
* codingScheme= for "ZZZ” it mustbe filled with an internal code

Error codes:

|  |  |
| --- | --- |
| **Error code** | **Error message** |
| IN0002 | Only nominations for the given gasday and for any of the subsequent 60 days may be entered. |
| IN0012 | The shipper is inactive and can not edit the portfolio. |
| N0020 | The direction code is not found in the database.:  The direction code may be the following:  in case of supply/in/ Z02  in case of taking/out/ Z03 |
| IN0023 | The shipper of the portfolio must be different from the RH partner of the deal. |
| IN0027 | On a given gasday, at a given network point, in a given direction only one transaction notification can be recorded in the system between the same shipper and trading partner. |
| IN0038 | Shipper pair code ({1}) can not be found in the database. |
| IN0039 | Transaction type ({0}) can not be found. |
| IN0047 | Offered Quantity can only be positive! |
| IN0052 | Transaction notification may only be entered for the specific gasday and for any of the following 60 days. |
| IN0055 | The direction code may be the following: for input/supply IN, for output/taking OUT. |
| IN0064 | Because of the nomination closing, pls try to save again in a few minutes. |
| IN0065 | The nomination portfolio has been modified through multiple functions at the same time. Please try again. |
| IN0086 | Invalid measureUnit.unitOfMeasureCode KW2! Valid values are: KW1 |
| SS0001 | The registered/logged-in user partner’s code does not match the code in the sender field. |
| SS0002 | The network user code is not found in the database. |
| E0048 | Scheme validation warning! Wrong namaspace. |
| E0035 | Scheme validation warning! |

#### Structure

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Description** | **XML element name** | **Format / type** |
| Error code | In the event of error Error message code. | generalErrorCode | xsd:String |
| Error message | In the event of error Error message. | generalErrorText | xsd:String |
| Success | In the event of success true, otherwise false. | succes | xsd:String |

#### Xml Example – In the event of success

<s:Envelope xmlns:s=„http://www.w3.org/2003/05/soap-envelope”>

<s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">

<saveTradeAgreementProposalResponse xmlns="http://domain.service.fgsz.hu">

<errorMessage />

<errorMessageCode xsi:nil="true"/>

<success>true</success>

</saveTradeAgreementProposalResponse>

</s:Body>

</s:Envelope>

#### Xml Example – In the event of error

<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope" xmlns:a="http://www.w3.org/2005/08/addressing" xmlns:u="http://docs.oasis-open.org/wss/2004/01/**oasis-200401-wss-wssecurity-utility-1.0.xsd"**>

<s:Header>

<a:Action s:mustUnderstand="1">http://domain.service.fgsz.hu/IFGSZShipperServiceSoapWrapper/SaveTradeNomination</a:Action>

<o:Security s:mustUnderstand="1" xmlns:o="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd">

<u:Timestamp u:Id="\_0">

<u:Created>2018-05-17T14:21:00.963Z</u:Created>

<u:Expires>2018-05-17T14:26:00.963Z</u:Expires>

</u:Timestamp>

</o:Security>

</s:Header>

<s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">

< SaveTradeNominationResponse xmlns="http://domain.service.fgsz.hu">

<success>false</success>

<generalErrorCode>SS0002</generalErrorCode>

<generalErrorText>[SS0002] Shipper code (SHIPPEREICCODE) is missing fromDB.</generalErrorText>

</ SaveTradeNominationResponse >

</s:Body>

</s:Envelope>

## SENDING IN/SUBMITTING TRADE OFFERS/BIDS EDIGAS V6 (SaveTradeNominationInEdigasV6)

### Description

The IP system allows network users to submit transaction notifications for a given gasday over webservice in a NOMINT document that is adapted for the Edigas version 6 schema.

Data may only be received for such a respective gas day that is not completely closed, ie. the status of the portfolios is not All Closed.

This method works the same way as the SaveTradeNomination, except, that only Edigas v6 Nomination Document is accepted and the IP system produces Trade NOMINT cycle document, and Trade NOMRES for acknowledgement.

Trade matching runs the same way as for manual recording/filing. NOMRES is made after that. The cycle documents can be seen at the cycle document view.

Cancel and Delete funcions can be made over this method filling the amount with zero of an already existing trade. In this case the system also produces cycle documents NOMINT Trade filled with zero amount when submitting. And NOMRES Trade is produced without the cancelled or deleted trade when the sate of the trade changes to deleted or canceled.

Name of the proposed method: **SaveTradeNominationInEdigasV6**

### Message with request

In a SaveTradeNominationInEdigasV6block, you can transfer one or more transaction notifications to the IP system containing a standard Edig@s Nomination\_Document block of version 6.

A transaction notifications can be specified with multiple network user pairs (ExternalAccounts) for one Network Point (Connection Point).

The basic structure of Nomination\_Document is setup as follows:

* + InternalAccount (exactly 1)
    - ConnectionPoint (exactly 1)
      * NominationType
      * ExternalAccount (repetitive)
      * Period (repetitive)

At least one of the repetitive blocks must be included.

Policies, specialties, restrictions/constrains:

* IssuerMarketParticipiantMarketRoleCode: always „ZSH”.
* RecipientMarketParticipiantMarketRoleCode: always „ZSO”.
* codingScheme= for "305” filling must take place with EIC code
* codingScheme= for "ZSO” filling must take place with internal IPNew code
* NominationType: A02 –two-sided
* Direction: Z02- Acquiring, Z03- Disposing
* measureUnit.code: always KW1
* **TimeIntervals must cover the whole gasday.**
* quantity.amount: according to the measureUnit this must be an hourly amount. Eg.: if the trade is 24.000 kWh/day, then the amount must be filled with 1000kWh/h on a 24 hour gasday. **The IP system multipies the amount with the number of the gashours found in the timeInterval tag** and saves 24.000 into the portfolio. If there is a residual value, then it can be added to a single period containing only one gashour.
* entering validityperiod: the gasday must be specified in UTC to be filled with edigas period marker: two strings separated by slash symbol

#### Structure

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Description** | **XML element name** | **Format / type** |
| Nomination document | Edig@s specification:  <https://www.edigas.org/version-6-1/>  (2.2 Nomination Document (VTP OTC)) | Nomination\_Document | xml |

#### Xml Example

Example 1: when the daily amount is 24000 kWh/day

<saveNominationInEdigasRequestV6 xmlns=**"http://domain.service.fgsz.hu"**>

<Request>

<q1:Nomination\_Document xmlns:q1=**"urn:easee-gas.eu:edigas:BrpNominationAndMatching:NominationDocument:6:0:0"**>

<q1:identification>**Edi6Trade1126**</q1:identification>

<q1:version>**1**</q1:version>

<q1:documentCode>**02G**</q1:documentCode>

<q1:applicationContext codingScheme=**"ZSO"**></q1:applicationContext>

<q1:creationDateTime>**2022-02-23T14:48:36Z**</q1:creationDateTime>

<q1:validityPeriod>**2022-02-24T05:00Z/2022-02-25T05:00Z**</q1:validityPeriod>

<q1:issuer\_MarketParticipant.identification codingScheme=**"ZSO"**>**SHIPPERCODE1**</q1:issuer\_MarketParticipant.identification>

<q1:issuer\_MarketParticipant.marketRole.roleCode>**ZSH**</q1:issuer\_MarketParticipant.marketRole.roleCode>

<q1:recipient\_MarketParticipant.identification codingScheme=**"305"**>**21X-HU-A-A0A0A-8**</q1:recipient\_MarketParticipant.identification>

<q1:recipient\_MarketParticipant.marketRole.roleCode>**ZSO**</q1:recipient\_MarketParticipant.marketRole.roleCode>

<q1:Internal\_Account>

<q1:internalAccount codingScheme=**"ZSO"**>**SHIPPERCODE1**</q1:internalAccount>

<q1:ConnectionPoint>

<q1:identification codingScheme=**"305"**>**POINTEICCODE**</q1:identification>

<q1:measureUnit.unitOfMeasureCode>**KW1**</q1:measureUnit.unitOfMeasureCode>

<q1:NominationType>

<q1:nominationCode>**A02**</q1:nominationCode>

<q1:External\_Account>

<q1:externalAccount codingScheme=**"ZSO"**>**SHIPPERCODE2**</q1:externalAccount>

<q1:Period>

<q1:timeInterval>**2022-02-24T05:00Z/2022-02-25T05:00Z**</q1:timeInterval>

<q1:direction.gasDirectionCode>**Z03**</q1:direction.gasDirectionCode>

<q1:quantity.amount>**1000**</q1:quantity.amount>

</q1:Period>

</q1:External\_Account>

</q1:NominationType>

</q1:ConnectionPoint>

</q1:Internal\_Account>

</q1:Nomination\_Document>

</Request>

</saveNominationInEdigasRequestV6>

Example : when the daily amount is 24.004kWh/day

<saveNominationInEdigasRequestV6 xmlns=**"http://domain.service.fgsz.hu"**>

<Request>

<q1:Nomination\_Document xmlns:q1=**"urn:easee-gas.eu:edigas:BrpNominationAndMatching:NominationDocument:6:0:0"**>

<q1:identification>**Edi6Trade1126**</q1:identification>

<q1:version>**1**</q1:version>

<q1:documentCode>**02G**</q1:documentCode>

<q1:applicationContext codingScheme=**"ZSO"**></q1:applicationContext>

<q1:creationDateTime>**2022-02-23T14:48:36Z**</q1:creationDateTime>

<q1:validityPeriod>**2022-02-24T05:00Z/2022-02-25T05:00Z**</q1:validityPeriod>

<q1:issuer\_MarketParticipant.identification codingScheme=**"ZSO"**>**SHIPPERCODE1**</q1:issuer\_MarketParticipant.identification>

<q1:issuer\_MarketParticipant.marketRole.roleCode>**ZSH**</q1:issuer\_MarketParticipant.marketRole.roleCode>

<q1:recipient\_MarketParticipant.identification codingScheme=**"305"**>**21X-HU-A-A0A0A-8**</q1:recipient\_MarketParticipant.identification>

<q1:recipient\_MarketParticipant.marketRole.roleCode>**ZSO**</q1:recipient\_MarketParticipant.marketRole.roleCode>

<q1:Internal\_Account>

<q1:internalAccount codingScheme=**"ZSO"**>**SHIPPERCODE1**</q1:internalAccount>

<q1:ConnectionPoint>

<q1:identification codingScheme=**"305"**>**39YSINBP000000NE**</q1:identification>

<q1:measureUnit.unitOfMeasureCode>**KW1**</q1:measureUnit.unitOfMeasureCode>

<q1:NominationType>

<q1:nominationCode>**A02**</q1:nominationCode>

<q1:External\_Account>

<q1:externalAccount codingScheme=**"ZSO"**>**SHIPPERCODE2**</q1:externalAccount>

<q1:Period>

<q1:timeInterval>**2022-02-23T04:00Z/2022-02-24T05:00Z**</q1:timeInterval>

<q1:direction.gasDirectionCode>**Z03**</q1:direction.gasDirectionCode>

<q1:quantity.amount>**1000**</q1:quantity.amount>

</q1:Period>

<q1:Period>

<q1:timeInterval>**2022-02-23T04:00Z/2022-02-24T05:00Z**</q1:timeInterval>

<q1:direction.gasDirectionCode>**Z03**</q1:direction.gasDirectionCode>

<q1:quantity.amount>**1004**</q1:quantity.amount>

</q1:Period>

</q1:External\_Account>

</q1:NominationType>

</q1:ConnectionPoint>

</q1:Internal\_Account>

</q1:Nomination\_Document>

</Request>

</saveNominationInEdigasRequestV6>

### Message with response

The IP system returns the success or error message in the saveNominationInEdigasResponseV6 block.

Error codes:

|  |  |
| --- | --- |
| **Error code** | **Error message** |
| SS0001 | The registered/logged-in user partner’s code does not match the code in the sender field. |
| SS0002 | The network user code is not found in the database. |
| E0002 | Gas period cannot be null! |
| E0035 | Scheme validation warning! |
| E0048 | Scheme validation warning! Wrong namaspace. |
| IN0002 | Only nominations for the given gasday and for any of the subsequent 60 days may be submitted. |
| IN0012 | The shipper is in an inactive status and thus can not edit the portfolio. |
| IN0016 | The network point was not found. |
| IN0017 | The RH partner’s EIC code is not found in the database. |
| IN0020 | The direction code is not found in the database.:  The direction code may be the following:  in case of supply/in/ Z02  in case of taking/out/ Z03 |
| IN0023 | The shipper of the portfolio must be different from the RH partner of the deal. |
| IN0027 | On a given gasday, at a given network point, in a given direction only one transaction notification can be recorded in the system between the same shipper and trading partner. |
| IN0038 | Shipper pair code ({1}) can not be found in the database. |
| IN0047 | Offered Quantity can only be positive! |
| IN0049 | Ther is no data for GasHour. |
| IN0053 | Trade row creation is not enabled on Nomination portfolio "Fully Closed" state. |
| IN0058 | The networkuser must be the same as the sender. |
| IN0059 | The xml in the request is empty or in wrong namespace. |
| IN0064 | Because of the nomination closing, pls try to save again in a few minutes. |
| IN0065 | The nomination portfolio has been modified through multiple functions at the same time. Please try again. |
| IN0081 | Timeinterval is duplicated or overlapping with other periods. |
| IN0082 | Timeinterval is not correct or not on same gasday as the portfolio. |
| IN0099 | Nomination portfolio not found or insufficient privileges! |

#### Structure

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Description** | **XML element name** | **Format / type** |
| Error code | In the event of error Error message code. | generalErrorCode | xsd:String |
| Error message | In the event of error Error message. | generalErrorText | xsd:String |
| Success | In the event of success true, otherwise false. | succes | xsd:String |

#### Xml Example – In the event of success

<?xml version=**"1.0"** encoding=**"utf-8"**?>

<s:Envelope xmlns:a=**"http://www.w3.org/2005/08/addressing"** xmlns:s=**"http://www.w3.org/2003/05/soap-envelope"**>

<s:Header>

<a:Action s:mustUnderstand=**"1"**>**http://domain.service.fgsz.hu/SaveTradeNominatioInEdigasV6**</a:Action>

</s:Header>

<s:Body xmlns:xsi=**"http://www.w3.org/2001/XMLSchema-instance"** xmlns:xsd=**"http://www.w3.org/2001/XMLSchema"**>

<saveNominationInEdigasResponseV6 xmlns=**"http://domain.service.fgsz.hu"**>

<generalErrorCode xsi:nil=**"true"** />

<generalErrorText xsi:nil=**"true"** />

<success>**true**</success>

</saveNominationInEdigasResponseV6>

</s:Body>

#### Xml Example – In the event of error

<?xml version=**"1.0"** encoding=**"utf-8"**?>

<s:Envelope xmlns:a=**"http://www.w3.org/2005/08/addressing"** xmlns:s=**"http://www.w3.org/2003/05/soap-envelope"**>

<s:Header>

<a:Action s:mustUnderstand=**"1"**>**http://domain.service.fgsz.hu/SaveTradeNominatioInEdigasV6**</a:Action>

</s:Header>

<s:Body xmlns:xsi=**"http://www.w3.org/2001/XMLSchema-instance"** xmlns:xsd=**"http://www.w3.org/2001/XMLSchema"**>

<saveNominationInEdigasResponseV6 xmlns=**"http://domain.service.fgsz.hu"**>

<generalErrorCode>**0001**</generalErrorCode>

<generalErrorText>**[IN0027] (2020. 12. 02. 0:00:00, MGP, 39YSINBP000000NE, Z02, SHIPPERCODE1) On a given gasday, at a given network point, in a given direction only one transaction notification can be recorded in the system between the same shipper and trading partner**.<**/**generalErrorText>

<success>**false**</success>

</saveNominationInEdigasResponseV6>

</s:Body>

## SENDING IN/SUBMITTING TRADE OFFERS/BIDS Edigas 6.1 (SaveTradeNominationInEdigasV61)

### Description

This function does not differ from the SaveTradeNominationInEdigas6 method in terms of its operation and content. However, for balancing portfolios using the Edigas 6.1 standard, only this method can be used.

Name of the proposed method: **SaveTradeNominationInEdigasV61**

## QUERY/REQUEST TRADE OFFERS/BIDS (GetTradeNomination)

### Description

The IP system allows network users **to query transaction notifications** over webservice for a given gasday.

Name of proposed method: **GetTradeNomination**

It contains the latest available transaction notifications in the latest version balancing portfolio of the querying network user up to the time of the data retrieval request.

### Message with request

In a GetTradeAgreementsRequest block, you can query the gas transaction notifications of the network user for a particular Subject gasday.

#### Structure

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Description** | **XML element name** | **Format / type** |
| Date of creation | Date of creation of message. The new IP does not use the field. | creationDate | xsd:dateTime |
| Unique identifier of the message | An identifier generated by the sender that identifies exactly one of the messages he has ever sent. The new IP does not use the field. | messageID | xsd:Number |
| Sender ID | The EIC or IP code of the sender or the partner who assigned the actual sender with sending the message. The accepted coding schemes are ZZZ, which means the IP code, or 305, which means EIC code | sender | xsd:String |
| Subject gasday | The gasday the transaction notifications for which are queried. | subjectGasDay | xsd:date (ÉÉÉÉ-HH-NN) |

#### Xml Example

<soapenv:Envelope xmlns:soapenv=**"http://www.w3.org/2003/05/soap-envelope"** xmlns:dom=**"http://domain.service.fgsz.hu"**>

<soapenv:Header/>

<soapenv:Body>

<dom:GetTradeAgreementsRequest>

<dom:messageHeader>

<dom:creationDate>**2022-02-23T22:30:47Z**</dom:creationDate>

<dom:messageId>**1**</dom:messageId>

<dom:sender codingScheme=**"ZZZ"**>**SHIPPERCODE**</dom:sender>

</dom:messageHeader>

<dom:subjectGasDay>**2022-02-23**</dom:subjectGasDay>

</dom:GetTradeAgreementsRequest>

</soapenv:Body>

</soapenv:Envelope>

### Message with response

 The IP system returns in the GetTradeAgreementsResponse block all the transaction notifications for the retrieved gasday in repetitive agreement blocks regarding the network user.

Policies, specialties, restrictions/constrains:

* At present, in the responsemessagestructures, the attribute value for encoding scheme is "ZZZ" or “305” depending on the partner’s communicating code type. EXCEPTION: due to specific partner requirements, the coding scheme of the GetTradeAgreementsResponse and the GetNominationResponse is always „ZZZ” filled with internal code
* codingScheme= for "305” it must be filled with an EIC code
* codingScheme= for "ZZZ" it must be filled with an internal code
* measureUnit.code: always KW2

Error codes:

|  |  |
| --- | --- |
| **Error code** | **Error message** |
| SS0001 | The registered/logged-in user partner’s code does not match the code in the sender field. |
| SS0002 | The network user code is not found in the database. |

#### Structure

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Description** | **XML element name** | **Format / type** |
| Status | Status of Transaction Notification. Set of values ​​according to the EntityStateId in the new IP: Matched, Created, Erased, Marked Cancel, Cancelled, Mismatched | status | xsd:String |
| Network Point ID | The code for the network point for which/where the trading takes place. | location | xsd:String |
| Seller Network user ID | In case of disposing the trading partner’s code or EIC code  In case of acquiring the networkuser code or EIC code | seller | xsd:String |
| Buyer Network user ID | In case of disposing the networkuser code or EIC code  In case of acquiring the trading partner’s code or EIC code | buyer | xsd:String |
| Daily quantity | The quantity submitted by the network user for a created or canceled case, otherwise the allocated quantity is expressed in kWh/day. | dailyQuantity | xsd:Number |
| Error message | In the event of error Error message. | generalErrorCode | xsd:String |
| Error code | In the event of error Error message code. | generalErrorText | xsd:String |
| Success | In the event of success true, otherwise false. | succes | xsd:String |

#### Xml Example –In the event of success

<s:Envelope xmlns:s=”http://www.w3.org/2003/05/soap-envelope”>

<s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">

<GetTradeAgreementsResponse xmlns="http://domain.service.fgsz.hu">

<agreement>

<status>Created</status>

<location codingScheme="ZZZ">PONTCODE</location>

<seller codingScheme="ZZZ">PARNERCODE</seller>

<buyer codingScheme="ZZZ">KERESKEDELMIPARTNERCODE</buyer>

<dailyQuantity measureUnit="KW2">900</dailyQuantity>

</agreement>

<generalErrorText xsi:nil="true"/>

<generalErrorCode xsi:nil="true"/>

<success>true</success>

</GetTradeAgreementsResponse>

</s:Body>

</s:Envelope>

#### Xml Example – In the event of error

<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope" xmlns:a="http://www.w3.org/2005/08/addressing" xmlns:u="http://docs.oasis-open.org/wss/2004/01/**oasis-200401-wss-wssecurity-utility-1.0.xsd"**>

<s:Header>

<a:Action s:mustUnderstand="1">http://domain.service.fgsz.hu/IFGSZShipperServiceSoapWrapper/GetTradeNomination</a:Action>

<o:Security s:mustUnderstand="1" xmlns:o="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd">

<u:Timestamp u:Id="\_0">

<u:Created>2018-05-17T14:21:00.963Z</u:Created>

<u:Expires>2018-05-17T14:26:00.963Z</u:Expires>

</u:Timestamp>

</o:Security>

</s:Header>

<s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">

< GetTradeAgreementsRespons xmlns="http://domain.service.fgsz.hu">

<success>false</success>

<generalErrorCode>SS0002</generalErrorCode>

<generalErrorText>[SS0002] Shipper code (SHIPPEREICCODE) is missing fromDB.</generalErrorText>

</ GetTradeAgreementsResponse>

</s:Body>

</s:Envelope>

## QUERY/REQUEST of primary capacity allocations resulting from overnomination (GetOvernominatedTradesV3)

### Description

The IP system allows network users to **query data of capacity allocations resulting from overnomination** over a webservice for a given time interval.

The data service retrieves data on overnomination capacity submitted for all network points and gas days for the given period.

Name of the proposed method: **GetOvernominatedTradesV3**

### Message with request

In this request message, the caller Network user provides its own EIC code and the query time interval.

#### Structure

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Description** | **XML element name** | **Format / type** |
| EIC code of party calling request | The EIC code of the Network user sending the request | eicCode | xsd:String |
| Start of Query Interval | The starting gas day from which the capacities obtained in the overnomination respect | from | xsd:date (YYYY-MM-DD) |
| End of Query interval | The end gas day to which the capacities obtained in the overnomination respect | to | xsd:date (YYYY-MM-DD) |

#### Xml Példa

<s:Envelope xmlns:a=**"http://www.w3.org/2005/08/addressing"** xmlns:s=**"http://www.w3.org/2003/05/soap-envelope"**>

<s:Header>

<a:Action s:mustUnderstand=**"1"**>**http://domain.service.fgsz.hu/GetOvernominatedTradesV3**</a:Action>

</s:Header>

<s:Body xmlns:xsi=**"http://www.w3.org/2001/XMLSchema-instance"** xmlns:xsd=**"http://www.w3.org/2001/XMLSchema"**>

<getOvernominatedTrades>

<request>

<EicCode>**SHIPPEREICCODE**</EicCode>

<From>**2022-02-20**</From>

<To>**2022-02-23**</To>

</request>

</getOvernominatedTrades>

</s:Body>

</s:Envelope>

### Message with response

Error codes:

|  |  |
| --- | --- |
| **Error code** | **Error message** |
| SM0001 | The Shipper with EIC code '{0}' cannot be found. |
| CST100 | The interval specified in the query is larger than the number of days allowed in the relevant system parameter '{375 > 90!}' |
| E0013 | Date type field format is invalid! |
| CST101 | The '{1}' row with ID '{0}' not found! |
| CST102 | The '{0}' field is empty! |

#### Structure

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Description** | **XML element name** | **Format / type** |
| Capacity Transaction code | Transaction code of the capacity obtained in the overnomination | tradeID | xsd: Number |
| Balancing portfolio code and version | Code and version of the balancing portfolio in which obtained overnomination was submitted | auctionName | xsd:String |
| Date of submission of overnomination | Date of submission of the related overnomination | auctionStart | xsd:dateTime |
| Date of submission of overnomination | Date of submission of the related overnomination | auctionEnd | xsd:dateTime |
| Network User EIC code | The EIC code of the Network user sending the request | networkUserEic | xsd:String |
| Network User code | The IP code of the Network user sending the request | networkUserCode | xsd:String |
| Network User name | The name of the Network user sending the request | networkUserName | xsd:String |
| IP Network point EIC code | The EIC code of the network point to which the overnomination has been submitted | networkPointEic | xsd:String |
| IP Network point name | The name of the network point to which the overnomination has been submitted | networkPointName | xsd:String |
| IP Network point Code | The IP code of the network point to which the overnomination has been submitted | networkPointNominationId | xsd:String |
| Product type | The Product type of capacity obtained in the overnomination: WITHINDAY | productType | xsd:String |
| Instrument of Capacity | The instrument of capacity obtained in the overnomination | instrument | xsd:String |
| Start of the capacity period | Start of the capacity period obtained in the overnomination | validityStart | xsd:dateTime |
| End of the capacity period | End of the capacity period obtained in the overnomination | validityEnd | xsd:dateTime |
| Capacity Type | Type of the capacity obtained in the overnomination: Unbundled | capacityType | xsd:String |
| Trade direction | Value set according to Trading Direction Code library (Code Field) | gasFlow | xsd:String |
| Price step type | Not interpreted, will not be filled  (Empty Node) | priceStepMode | xsd:String |
| Quantity of offered capacity | Not interpreted, will not be filled  (Empty Node) | offeredCapacity | xsd:String |
| Quantity of capacity | Quantity of the capacity obtained in the overnomination | allocatedCapacity | xsd:Number |
| Reserve price | Calculated field:  Reserve price = Capacity fee/Quantity of capacity | reservePrice | xsd:Number |
| Auction premium basis | Not interpreted, will not be filled  (Empty Node) | AuctionPremiumBasis | xsd:String |
| Clearing unit price | Calculated field:  Clearing unit price = Capacity fee/Quantity of capacity | clearingUnitPrice | xsd:String |
| Auction premium | Not interpreted, will not be filled  (Empty Node) | auctionPremium | xsd:String |
| Contract number | Capacity contract number for overnominated capacity | confirmationId | xsd:String |
| Capacity measurement unit | Measurement unit of capacity obtained in the overnomination. In every case:  kWh/h/WithinDay | capacityUnit | xsd:String |
| Currency measurement unit | In every case:  HUF/kWh/h/WithinDay | currencyUnit | xsd:String |
| Currency | In every case: HUF | currency | xsd:String |
| Capacity fee | Capacity fee of the capacity obtained in the overnomination | capacityFee | xsd:Number |
| Auction unit price | Calculated field:  Auction unit price = Auction fee/ Quantity of capacity  Value is always: 0 | auctionUnitPrice | xsd:Number |
| Clearing price | Same as the value of the Reserve price field | clearingPrice | xsd:Number |
| Auction fee | Value is always: 0 | auctionFee | xsd:Number |
| Clearing fee | Fee for capacity obtained in the overnomination | clearingFee | xsd:Number |
| EIC code of TSO | EIC code of the related TSO in the overnomination: EIC code of FGSZ | tsoEic | xsd:String |
| Name of TSO | EIC code of the related TSO in the overnomination: FGSZ Zrt. | tsoName | xsd:String |
| EIC code of Exit TSO | EIC code of the Exit TSO interpreted in perpective of the flow direction of the capacity involved in the overnomination | exitTsoEic | xsd:String |
| EIC code of Entry TSO | EIC code of the Entry TSO interpreted in perpective of the flow direction of the capacity involved in the overnomination | exitTsoEic | xsd:String |
| Capacity quality of the Exit TSO | Capacity quality of overnominated capacity, value is always: INT  It is filled only if the exitTso is FGSZ | capacityQualityExitTSO | xsd:String |
| Capacity quality of the Entry TSO | Capacity quality of overnominated capacity, value is always: INT  It is filled only if the entryTso is FGSZ | capacityQualityEntryTSO | xsd:String |
| Amunt of locked financial limit | The amount of the sequrity demand for the capacity fee | creditLimitLock | xsd:Number |
| Offer level id for incremental auctions | Not interpreted, will not be filled  (Empty Node) | offerLevelId | xsd:String |
| Auction characteristics | Value is always: Overnomination | auctionCharacteristics | xsd:String |
| TSO to whom the distribution was created | Not interpreted, will not be filled  (Empty Node) | tsoEic | xsd:String |
| Code of the balancing group | Not interpreted, will not be filled  (Empty Node) | balancingGroupCode | xsd:String |
| Capacity conversion information | Not interpreted, will not be filled  (Empty Node) | capacityConversions | xsd:List |
| capacity upgrade  information | Not interpreted, will not be filled  (Empty Node) | capacityUpgrades | xsd:List |
| Error message | In the event of error Error message. | generalErrorCode | xsd:String |
| Error code | In the event of error Error message code. | generalErrorText | xsd:String |
| Success | In the event of success true, otherwise false. | succes | xsd:Boolean |

#### Xml Example –In the event of success

<s:Envelope xmlns:a="http://www.w3.org/2005/08/addressing" xmlns:s="http://www.w3.org/2003/05/soap-envelope">

<s:Header>

<a:Action s:mustUnderstand="1">http://domain.service.fgsz.hu/GetOvernominatedTradesV3</a:Action>

</s:Header>

<s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">

<getOvernominatedTradesResponseV3 xmlns="http://domain.service.fgsz.hu">

<generalErrorCode xsi:nil="true" />

<generalErrorText xsi:nil="true" />

<success>true</success>

<trades>

<trade>

<auctionName>SHIPPERCODE20210731v2</auctionName>

<tradeID>439757</tradeID>

<auctionStart>2021-07-30T12:07:03.89</auctionStart>

<auctionEnd>2021-07-30T12:07:03.89</auctionEnd>

<tsoEic>21X-HU-A-A0A0A-8</tsoEic>

<tsoName>FGSZ Zrt</tsoName>

<networkUserEic>EICCODE</networkUserEic>

<networkUserCode>SHIPPERCODE</networkUserCode>

<networkUserName>SHIPPERNAME</networkUserName>

<networkPointEic>39ZKAABA00011GNE</networkPointEic>

<networkPointName>Aba</networkPointName>

<networkPointNominationId>KAABA00011GN</networkPointNominationId>

<exitTsoEic>21X-HU-A-A0A0A-8</exitTsoEic>

<capacityQualityExitTSO>INT</capacityQualityExitTSO>

<entryTsoEic />

<capacityQualityEntryTSO />

<productType>WITHINDAY</productType>

<instrument>2021.07.31-01</instrument>

<validityStart>2021-07-31T06:00:00</validityStart>

<validityEnd>2021-08-01T06:00:00</validityEnd>

<capacityType>Unbundled</capacityType>

<gasFlow>Physical</gasFlow>

<priceStepMode />

<offeredCapacity />

<allocatedCapacity>200</allocatedCapacity>

<capacityUnit>kWh/h/WithinDay</capacityUnit>

<reservePrice>5.6370720000</reservePrice>

<currencyUnit>HUF/kWh/h/WithinDay</currencyUnit>

<currency>HUF</currency>

<capacityFee>1127.41</capacityFee>

<auctionPremiumBasis />

<auctionPremium />

<auctionUnitPrice>0</auctionUnitPrice>

<auctionFee>0</auctionFee>

<clearingPrice>5.6370720000</clearingPrice>

<clearingUnitPrice>5.6370720000</clearingUnitPrice>

<clearingFee>1127.41</clearingFee>

<creditLimitLock>1127.41</creditLimitLock>

<confirmationId>FGSZ\_RHSZ-00014/WD/2021.07.31-01/00001</confirmationId>

<auctionCharacteristics>Overnomination</auctionCharacteristics>

<offerLevelId />

<balancingGroupCode />

<capacityConversions />

<capacityUpgrades />

</trade>

</trades>

</getOvernominatedTradesResponseV3>

</s:Body>

</s:Envelope>

#### Xml Example – In the event of error

<s:Envelope xmlns:a="http://www.w3.org/2005/08/addressing" xmlns:s="http://www.w3.org/2003/05/soap-envelope">

<s:Header>

<a:Action s:mustUnderstand="1">http://domain.service.fgsz.hu/GetOvernominatedTradesV3</a:Action>

</s:Header>

<s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">

<getOvernominatedTradesResponseV3 xmlns="http://domain.service.fgsz.hu">

<generalErrorCode>[SM0001]</generalErrorCode>

<generalErrorText>[SM0001] Nem található Shipper '39XWIEEHUNGARIAQ' EIC kóddal.</generalErrorText>

<success>false</success>

<trades />

</getOvernominatedTradesResponseV3>

</s:Body>

</s:Envelope>

# Allocation services

## Business Business environment

The system operator licensee carries out daily operative data servics that he makes available to the access right-holders over the IT platform. Allocation module dataservice/reporting is used to communicate the result of the allocation.

In the data service, for the network users only the network points are displayed to which they are linked as shippers.

Note: FGSZ provides similar data in the same structure also to the related system operators.

## QUERY/REQUEST FOR DAILY FINAL ALLOCATIONS (GetAllocationDailyFinal)

### Description

This data service is used to report the Daily type, "final" status result of the allocation, typically regarding the previous gasday (or for the gasday specified in the request).

Note: Typically, the FGSZ provides the respective (for the previous gasday) data from 14.00 pm on the day following the Subject gasday.

Name of the proposed method: **GetAllocationDailyFinal**

### Message with request

The request message contains the gasday, the allocation data of which the network user wants to retrieve.

#### Structure

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Description** | **XML element name** | **Format / type** |
| Date of creation | Date of creation of message. The new IP does not use the field. | creationDate | xsd:dateTime |
| Unique identifier of the message | An identifier generated by the sender that identifies exactly one of the messages he has ever sent. The new IP does not use the field. | messageID | xsd:Number |
| Sender ID | The EIC or IP code of the sender or the partner who assigned the actual sender with sending the message. The accepted coding schemes are ZZZ, which means the IP code, or 305, which means EIC code | sender | xsd:String |
| Subject gasday | Subject gasday | subjectGasDay | xsd:date (ÉÉÉÉ-HH-NN) |

#### Xml Example

<soapenv:Envelope xmlns:soapenv=„http://www.w3.org/2003/05/soap-envelope” xmlns:dom="http://domain.service.fgsz.hu">

<soapenv:Header/>

<soapenv:Body>

<dom:GetAllocationDailyFinalRequest>

<dom:messageHeader>

<dom:creationDate>2018-03-01</dom:creationDate>

<dom:messageId>001</dom:messageId>

<dom:sender codingScheme="ZZZ">SHIPPERCODE</dom:sender>

</dom:messageHeader>

<dom:subjectGasDay>2018-03-01</dom:subjectGasDay>

</dom:GetAllocationDailyFinalRequest>

</soapenv:Body>

</soapenv:Envelope>

### Message with response

In the response, the allocation lines for the network points used by the network user are contained. The response also includes the title/right transfer transactions of the network user.

The response message contains the allocation lines in the Documents block according to the Edig@ standard.

Policies, specialties, restrictions/constrains:

In the Documents block of the response, there are as many allocationDocument blocks as high the number of different related system operators the given network user belongs to, and within this there are as many connectionPoint blocks as many allocation lines.

* Version: currently it is always 1.
* Type: always 96G.
* ContractReference: always the Identification Code.
* IssuerMarketParticipiantMarketRoleCode: always „ZSO”.
* RecipientMarketParticipiantMarketRoleCode: For network users always „ZSH”.
* At present, in the response messages tructures, the attribute value for encoding scheme is "ZSO" or “305” depending on the partner’s communicating code type.
* codingScheme= for "305” it must be filled with an EIC code

codingScheme= for "ZSO" it must be filled with an internal code

* RecipientMarketParticipiantIdentification: For network users the network user's EIC code;
* ConnectionPointIdentification: EIC code, „305” code scheme.
* AllocationSchemeCode:
  + allocation lines that came from nomination, have the code 04G (not OBA, not of backhaul type).
  + the code of the "backhaul nomination" type allocation line is 12G;
  + the code for the OBA type allocation line is 06G;
  + the code for the title/right type allocation line is 11G (only for shipper, in daily/monthly case).

On the FGSZ receiver side a verification takes place for the partner code in the Sender block. The system checks whether the sent partner code is the same as the IP ID of the partner linked to the authenticated user. The user who initiates the request may only retrieve or upload data to the system on his own behalf.

Error codes:

|  |  |
| --- | --- |
| **Error code** | **Error message** |
| SS0001 | The registered/logged-in user partner’s code does not match the code in the sender field. The registered user's partner code does not match the code in the sender field. |
| SS0002 | The network user code is not found in the database. The network user code is not found in the database. |

#### Structure

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Description** | **XML element name** | **Format / type** |
| Error code | In the event of error Error message code. | generalErrorCode | xsd:String |
| Error message | In the event of error Error message. | generalErrorText | xsd:String |
| Success | In the event of success: true.  In the event of non-success: false. | succes | xsd:String |
| Allocation documents | List Element that contains the resulting allocation documents. | Documents |  |
| Allocation Data | Edig@s specification: <https://www.edigas.org/wp-content/Downloads/4-urn-easee-gas-eu-edigas-edigas5_1-SettlementProcess_v4r0-2018-02-19.pdf> (4.3. Information model of Allocation Document (ALOCAT)) | Allocation\_Document |  |

#### Xml Example – In the event of success

<s:Envelope xmlns:s=„http://www.w3.org/2003/05/soap-envelope”>

<s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">

<GetAllocationDailyFinalResponse xmlns="http://domain.service.fgsz.hu">

<success >true</success>

<generalErrorCode xsi:nil="true" />

<generalErrorText xsi:nil="true" />

<Documents>

<Allocation\_Document xmlns="urn:easee-gas.eu:edigas:settlement:allocationdocument:5:1:3">

<identification >1a0c6a5d1bfe4f428543ad68616f69d3</identification>

<version >1</version>

<type >87G</type>

<creationDateTime >2018-03-07T14:20:33.0095911+01:00</creationDateTime>

<validityPeriod >2018-03-07T13:50Z/2018-03-07T14:50Z</validityPeriod>

<contractReference >1a0c6a5d1bfe4f428543ad68616f69d3</contractReference>

<contractType >CT</contractType>

<issuer\_MarketParticipant.identification xsi:type="PartyType" codingScheme="305" >NNOEICCODE</issuer\_MarketParticipant.identification>

<issuer\_MarketParticipant.marketRole.code >ZSO</issuer\_MarketParticipant.marketRole.code>

<recipient\_MarketParticipant.identification xsi:type="PartyType" codingScheme="305" >SHIPPEREICCODE</recipient\_MarketParticipant.identification>

<recipient\_MarketParticipant.marketRole.code >ZSH</recipient\_MarketParticipant.marketRole.code>

<ConnectionPoint >

<identification codingScheme="305">39ZKAALMASF11GNW</identification>

<measureUnit.code>KW1</measureUnit.code>

<Account>

<internalAccount codingScheme="305">SHIPPEREICCODE</internalAccount>

<internalAccountTso codingScheme="305">21X-HU-A-A0A0A-8</internalAccountTso>

<externalAccount codingScheme="305">SHIPPEREICCODE</externalAccount>

<externalAccountTso codingScheme="305">21X-HU-A-A0A0A-8</externalAccountTso>

<TimeSeries>

<type>Z01</type>

<Period>

<timeInterval>2018-03-01T05:00Z/2018-03-02T05:00Z</timeInterval>

<direction.code>Z03</direction.code>

<quantity.amount>395633</quantity.amount>

<allocationScheme.code>14G</allocationScheme.code>

<status.code>03G</status.code>

</Period>

</TimeSeries>

</Account>

</ConnectionPoint>

<ConnectionPoint >

<identification codingScheme="305">39ZKAALMASF11GNW</identification>

<measureUnit.code>KW1</measureUnit.code>

<Account>

<internalAccount codingScheme="305">SHIPPEREICCODE</internalAccount>

<internalAccountTso codingScheme="305">21X-HU-A-A0A0A-8</internalAccountTso>

<externalAccount codingScheme="305">25Y-AB-E---1---N</externalAccount>

<externalAccountTso codingScheme="305">21X-HU-A-A0A0A-8</externalAccountTso>

<TimeSeries>

<type>Z01</type>

<Period>

<timeInterval>2018-03-01T05:00Z/2018-03-02T05:00Z</timeInterval>

<direction.code>Z03</direction.code>

<quantity.amount>395634</quantity.amount>

<allocationScheme.code>14G</allocationScheme.code>

<status.code>03G</status.code>

</Period>

</TimeSeries>

</Account>

</ConnectionPoint>

</Allocation\_Document>

<Documents>

</GetAllocationDailyFinalResult>

</GetAllocationDailyFinalResponse>

</s:Body>

</s:Envelope>

#### Xml Example – In the event of error

<s:Envelope xmlns:s=**"http://www.w3.org/2003/05/soap-envelope"** xmlns:a=**"http://www.w3.org/2005/08/addressing"** xmlns:u=**"http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd"**>

<s:Header>

<a:Action s:mustUnderstand=**"1"**>**http://domain.service.fgsz.hu/IFGSZShipperServiceSoapWrapper/GetAllocationDailyFinalResponse**</a:Action>

<o:Security s:mustUnderstand=**"1"** xmlns:o=**"http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd"**>

<u:Timestamp u:Id=**"\_0"**>

<u:Created>**2018-05-17T14:21:00.963Z**</u:Created>

<u:Expires>**2018-05-17T14:26:00.963Z**</u:Expires>

</u:Timestamp>

</o:Security>

</s:Header>

<s:Body xmlns:xsi=**"http://www.w3.org/2001/XMLSchema-instance"** xmlns:xsd=**"http://www.w3.org/2001/XMLSchema"**>

<GetAllocationDailyFinalResponse xmlns=**"http://domain.service.fgsz.hu"**>

<success >**false**</success>

<generalErrorCode>**SS0002**</generalErrorCode>

<generalErrorText>**[SS0002] Shipper code (**SHIPPEREICCODE**) is missing from DB.**</generalErrorText>

<Documents/ >

</GetAllocationDailyFinalResponse>

</s:Body>

</s:Envelope>

## QURY/REQUEST FOR DAILY CURRENT ALLOCATIONS (GetAllocationDailyActual)

### Description

This data service is used to report the current (latest updated, last version) Daily (or Monthly) type result of an allocation, typically regerding the current gasday (or for the gasday specified in the request).

Name of proposed method: **GetAllocationDailyActual**

### Message with request

The request message contains the gasday, the allocation data of which the network user wants to query/request.

#### Structure

See chapter **Hiba! A hivatkozási forrás nem található.**.

#### Xml Example

<soapenv:Envelope xmlns:soapenv=„http://www.w3.org/2003/05/soap-envelope” xmlns:dom="http://domain.service.fgsz.hu">

<soapenv:Header/>

<soapenv:Body>

<dom:GetAllocationDailyActualRequest >

<dom:request>

<dom:messageHeader>

<dom:creationDate>2018-03-02</dom:creationDate>

<dom:messageId>001</dom:messageId>

<dom:sender codingScheme="ZZZ">SHIPPERCODE</dom:sender>

</dom:messageHeader>

<dom:subjectGasDay>2018-03-02</dom:subjectGasDay>

</dom:GetAllocationDailyActualRequest >

</soapenv:Body>

</soapenv:Envelope>

### Message with response

In the response, the allocation lines for the network points used by the network user are contained. The response also includes title/right transfer deals of the network user.

The response message contains the allocation lines in the Documents block according to the Edig@ standard.

Policies, specialties, restrictions/constrains:

See chapter **Hiba! A hivatkozási forrás nem található.**.

Error codes:

|  |  |
| --- | --- |
| **Error code** | **Error message** |
| SS0001 | The registered/logged-in user partner’s code does not match the code in the sender field. |
| SS0002 | The network user code is not found in the database. |

#### Structure

See chapter **Hiba! A hivatkozási forrás nem található.**.

#### Xml Example – In the event of success

<s:Envelope xmlns:s=„http://www.w3.org/2003/05/soap-envelope”>

<s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">

<GetAllocationDailyActualResponse xmlns="http://domain.service.fgsz.hu">

<success>true</success>

<generalErrorCode xsi:nil="true"/>

<generalErrorText xsi:nil="true"/>

<Documents>

<Allocation\_Document xmlns="urn:easee-gas.eu:edigas:settlement:allocationdocument:5:1:3">

<identification >db6af2c392d74d20aae1fb192eed4132</identification>

<version >1</version>

<type >87G</type>

<creationDateTime >2018-03-07T12:51:43.8616462+01:00</creationDateTime>

<validityPeriod >2018-03-07T12:21Z/2018-03-07T13:21Z</validityPeriod>

<contractReference > db6af2c392d74d20aae1fb192eed4132</contractReference>

<contractType >CT</contractType>

<issuer\_MarketParticipant.identification xsi:type="PartyType" codingScheme="305" >NNOEICCODE</issuer\_MarketParticipant.identification>

<issuer\_MarketParticipant.marketRole.code >ZSO</issuer\_MarketParticipant.marketRole.code>

<recipient\_MarketParticipant.identification xsi:type="PartyType" codingScheme="305" >SHIPPEREICCODE</recipient\_MarketParticipant.identification>

<recipient\_MarketParticipant.marketRole.code >ZSH</recipient\_MarketParticipant.marketRole.code>

<ConnectionPoint >

<identification codingScheme="305">39ZKAALMASF11GNW</identification>

<measureUnit.code>KW1</measureUnit.code>

<Account>

<internalAccount codingScheme="305">SHIPPEREICCODE</internalAccount>

<internalAccountTso codingScheme="305">21X-HU-A-A0A0A-8</internalAccountTso>

<externalAccount codingScheme="305">SHIPPEREICCODE</externalAccount>

<externalAccountTso codingScheme="305">21X-HU-A-A0A0A-8</externalAccountTso>

<TimeSeries>

<type>Z01</type>

<Period>

<timeInterval>2018-03-02T05:00Z/2018-03-03T05:00Z</timeInterval>

<direction.code>Z03</direction.code>

<quantity.amount>143385</quantity.amount>

<allocationScheme.code>14G</allocationScheme.code>

<status.code>03G</status.code>

</Period>

</TimeSeries>

</Account>

</ConnectionPoint>

</Allocation\_Document>

<Documents>

</GetAllocationDailyActualResponse>

</s:Body>

</s:Envelope>

#### Xml Example – In the event of error

<s:Envelope xmlns:s=**"http://www.w3.org/2003/05/soap-envelope"** xmlns:a=**"http://www.w3.org/2005/08/addressing"** xmlns:u=**"http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd"**>

<s:Header>

<a:Action s:mustUnderstand=**"1"**>**http://domain.service.fgsz.hu/IFGSZShipperServiceSoapWrapper/GetAllocationDailyActualResponse**</a:Action>

<o:Security s:mustUnderstand=**"1"** xmlns:o=**"http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd"**>

<u:Timestamp u:Id=**"\_0"**>

<u:Created>**2018-05-17T14:34:41.657Z**</u:Created>

<u:Expires>**2018-05-17T14:39:41.657Z**</u:Expires>

</u:Timestamp>

</o:Security>

</s:Header>

<s:Body xmlns:xsi=**"http://www.w3.org/2001/XMLSchema-instance"** xmlns:xsd=**"http://www.w3.org/2001/XMLSchema"**>

<GetAllocationDailyActualResponse xmlns=**"http://domain.service.fgsz.hu"**>

<success>**false**</success>

<generalErrorCode>**SS0002**</generalErrorCode>

<generalErrorText>**[SS0002] Shipper code (**SHIPPEREICCODE**) is missing from DB.**</generalErrorText>

<Documents/ >

</GetAllocationDailyActualResponse>

</s:Body>

</s:Envelope>

## QUERY/REQUEST ALLOCATION WITHIN DAY (GetAllocationWithinDay)

### Description

Informs the network user about quantities allocated during the gasday, helping to specify more precise nominations when re-nominating. Data service is only available to eligible network users and they receive only the data that in which they are involved as a network user.  
The service is available at any time, contains the last version of the latest Within day type allocated quantities updated up to the time of the request.

Name of proposed method: **GetAllocationWithinDay**

### Message with request

The request message contains the gasday, the allocation data of which the network user wants to retrieve.

#### Structure

See chapter **Hiba! A hivatkozási forrás nem található.**.

#### Xml Example

<soapenv:Envelope xmlns:soapenv=„http://www.w3.org/2003/05/soap-envelope” xmlns:dom="http://domain.service.fgsz.hu">

<soapenv:Header/>

<soapenv:Body>

<dom:GetAllocationsWithinDayRequest>

<dom:messageHeader>

<dom:creationDate>2018-03-02</dom:creationDate>

<dom:messageId>001</dom:messageId>

<dom:sender codingScheme="ZZZ">SHIPPERCODE</dom:sender>

</dom:messageHeader>

<dom:subjectGasDay>2018-03-02</dom:subjectGasDay>

</dom:GetAllocationsWithinDayRequest>

</soapenv:Body>

</soapenv:Envelope>

### Message with response

In the response, the allocation lines for the network points used by the network user are contained.  
The response message contains the allocation lines in the Documents block according to the Edig@ standard.

Policies, specialties, restrictions/constrains:

See chapter **Hiba! A hivatkozási forrás nem található.**. Other additions:

In case of retrieving within day data, the "connectionPoint" block lists as many "Period" blocks as many gashours are included in the queried gasday. The data filling differs from that in the Edig@ document, by the response returning one gashour in the Timeinterval field instead of a full gasday.

If the POD groups are filled for a given day, the fields in the "Period" block get filled by the following correspondence:

* Measured value => allocationScheme.code = 14G
* Without measurement/unmeasured => allocationScheme.code = 07G
* Profilos => allocationScheme.code = 09G

Error codes:

|  |  |
| --- | --- |
| **Error code** | **Error message** |
| SS0001 | The registered/logged-in user partner’s code does not match the code in the sender field. |
| SS0002 | The network user code is not found in the database. |

#### Structure

See chapter **Hiba! A hivatkozási forrás nem található.**.

#### Xml Example – In the event of success

<s:Envelope xmlns:s=„http://www.w3.org/2003/05/soap-envelope”>

<s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">

<GetAllocationsWithinDayResponse xmlns="http://domain.service.fgsz.hu">

<success>true</success>

<generalErrorCode xsi:nil="true"/>

<generalErrorText xsi:nil="true"/>

<Documents>

<Allocation\_Document xmlns="urn:easee-gas.eu:edigas:settlement:allocationdocument:5:1:3">

<identification >f32abd700c9f4a88afa0f5b45b47f3ab</identification>

<version >1</version>

<type >87G</type>

<creationDateTime >2018-03-07T14:45:56.4163948+01:00</creationDateTime>

<validityPeriod >2018-03-07T14:15Z/2018-03-07T15:15Z</validityPeriod>

<contractReference > f32abd700c9f4a88afa0f5b45b47f3ab </contractReference>

<contractType >CT</contractType>

<issuer\_MarketParticipant.identification xsi:type="PartyType" codingScheme="305" >NNOEICCODE</issuer\_MarketParticipant.identification>

<issuer\_MarketParticipant.marketRole.code >ZSO</issuer\_MarketParticipant.marketRole.code>

<recipient\_MarketParticipant.identification xsi:type="PartyType" codingScheme="305" >SHIPPEREICCODE</recipient\_MarketParticipant.identification>

<recipient\_MarketParticipant.marketRole.code >ZSH</recipient\_MarketParticipant.marketRole.code>

<ConnectionPoint >

<identification codingScheme="305">39ZKAALMASF11GNW</identification>

<measureUnit.code>KW1</measureUnit.code>

<Account>

<internalAccount codingScheme="305">SHIPPEREICCODE</internalAccount>

<internalAccountTso codingScheme="305">21X-HU-A-A0A0A-8</internalAccountTso>

<externalAccount codingScheme="305">SHIPPEREICCODE</externalAccount>

<externalAccountTso codingScheme="305">21X-HU-A-A0A0A-8</externalAccountTso>

<TimeSeries>

<type>Z01</type>

<Period>

<timeInterval>2018-03-02T05:00Z/2018-03-02T06:00Z</timeInterval>

<direction.code>Z03</direction.code>

<quantity.amount>500</quantity.amount>

<allocationScheme.code>14G</allocationScheme.code>

<status.code>03G</status.code>

</Period>

<Period>

<timeInterval>2018-03-02T06:00Z/2018-03-02T07:00Z</timeInterval>

<direction.code>Z03</direction.code>

<quantity.amount>500</quantity.amount>

<allocationScheme.code>14G</allocationScheme.code>

<status.code>03G</status.code>

</Period>

<Period>

<timeInterval>2018-03-02T07:00Z/2018-03-02T08:00Z</timeInterval>

<direction.code>Z03</direction.code>

<quantity.amount>500</quantity.amount>

<allocationScheme.code>14G</allocationScheme.code>

<status.code>03G</status.code>

</Period>

<Period>

<timeInterval>2018-03-02T08:00Z/2018-03-02T09:00Z</timeInterval>

<direction.code>Z03</direction.code>

<quantity.amount>500</quantity.amount>

<allocationScheme.code>14G</allocationScheme.code>

<status.code>03G</status.code>

</Period>

<Period>

<timeInterval>2018-03-02T09:00Z/2018-03-02T10:00Z</timeInterval>

<direction.code>Z03</direction.code>

<quantity.amount>500</quantity.amount>

<allocationScheme.code>14G</allocationScheme.code>

<status.code>03G</status.code>

</Period>

<Period>

<timeInterval>2018-03-02T10:00Z/2018-03-02T11:00Z</timeInterval>

<direction.code>Z03</direction.code>

<quantity.amount>550</quantity.amount>

<allocationScheme.code>14G</allocationScheme.code>

<status.code>03G</status.code>

</Period>

<Period>

<timeInterval>2018-03-02T11:00Z/2018-03-02T12:00Z</timeInterval>

<direction.code>Z03</direction.code>

<quantity.amount>550</quantity.amount>

<allocationScheme.code>14G</allocationScheme.code>

<status.code>03G</status.code>

</Period>

<Period>

<timeInterval>2018-03-02T12:00Z/2018-03-02T13:00Z</timeInterval>

<direction.code>Z03</direction.code>

<quantity.amount>550</quantity.amount>

<allocationScheme.code>14G</allocationScheme.code>

<status.code>03G</status.code>

</Period>

<Period>

<timeInterval>2018-03-02T13:00Z/2018-03-02T14:00Z</timeInterval>

<direction.code>Z03</direction.code>

<quantity.amount>550</quantity.amount>

<allocationScheme.code>14G</allocationScheme.code>

<status.code>03G</status.code>

</Period>

<Period>

<timeInterval>2018-03-02T14:00Z/2018-03-02T15:00Z</timeInterval>

<direction.code>Z03</direction.code>

<quantity.amount>550</quantity.amount>

<allocationScheme.code>14G</allocationScheme.code>

<status.code>03G</status.code>

</Period>

<Period>

<timeInterval>2018-03-02T15:00Z/2018-03-02T16:00Z</timeInterval>

<direction.code>Z03</direction.code>

<quantity.amount>550</quantity.amount>

<allocationScheme.code>14G</allocationScheme.code>

<status.code>03G</status.code>

</Period>

<Period>

<timeInterval>2018-03-02T16:00Z/2018-03-02T17:00Z</timeInterval>

<direction.code>Z03</direction.code>

<quantity.amount>650</quantity.amount>

<allocationScheme.code>14G</allocationScheme.code>

<status.code>03G</status.code>

</Period>

<Period>

<timeInterval>2018-03-02T17:00Z/2018-03-02T18:00Z</timeInterval>

<direction.code>Z03</direction.code>

<quantity.amount>650</quantity.amount>

<allocationScheme.code>14G</allocationScheme.code>

<status.code>03G</status.code>

</Period>

<Period>

<timeInterval>2018-03-02T18:00Z/2018-03-02T19:00Z</timeInterval>

<direction.code>Z03</direction.code>

<quantity.amount>650</quantity.amount>

<allocationScheme.code>14G</allocationScheme.code>

<status.code>03G</status.code>

</Period>

<Period>

<timeInterval>2018-03-02T19:00Z/2018-03-02T20:00Z</timeInterval>

<direction.code>Z03</direction.code>

<quantity.amount>650</quantity.amount>

<allocationScheme.code>14G</allocationScheme.code>

<status.code>03G</status.code>

</Period>

<Period>

<timeInterval>2018-03-02T20:00Z/2018-03-02T21:00Z</timeInterval>

<direction.code>Z03</direction.code>

<quantity.amount>650</quantity.amount>

<allocationScheme.code>14G</allocationScheme.code>

<status.code>03G</status.code>

</Period>

<Period>

<timeInterval>2018-03-02T21:00Z/2018-03-02T22:00Z</timeInterval>

<direction.code>Z03</direction.code>

<quantity.amount>650</quantity.amount>

<allocationScheme.code>14G</allocationScheme.code>

<status.code>03G</status.code>

</Period>

<Period>

<timeInterval>2018-03-02T22:00Z/2018-03-02T23:00Z</timeInterval>

<direction.code>Z03</direction.code>

<quantity.amount>700</quantity.amount>

<allocationScheme.code>14G</allocationScheme.code>

<status.code>03G</status.code>

</Period>

<Period>

<timeInterval>2018-03-02T23:00Z/2018-03-03T00:00Z</timeInterval>

<direction.code>Z03</direction.code>

<quantity.amount>700</quantity.amount>

<allocationScheme.code>14G</allocationScheme.code>

<status.code>03G</status.code>

</Period>

<Period>

<timeInterval>2018-03-03T00:00Z/2018-03-03T01:00Z</timeInterval>

<direction.code>Z03</direction.code>

<quantity.amount>700</quantity.amount>

<allocationScheme.code>14G</allocationScheme.code>

<status.code>03G</status.code>

</Period>

<Period>

<timeInterval>2018-03-03T01:00Z/2018-03-03T02:00Z</timeInterval>

<direction.code>Z03</direction.code>

<quantity.amount>700</quantity.amount>

<allocationScheme.code>14G</allocationScheme.code>

<status.code>03G</status.code>

</Period>

<Period>

<timeInterval>2018-03-03T02:00Z/2018-03-03T03:00Z</timeInterval>

<direction.code>Z03</direction.code>

<quantity.amount>760</quantity.amount>

<allocationScheme.code>14G</allocationScheme.code>

<status.code>03G</status.code>

</Period>

<Period>

<timeInterval>2018-03-03T03:00Z/2018-03-03T04:00Z</timeInterval>

<direction.code>Z03</direction.code>

<quantity.amount>760</quantity.amount>

<allocationScheme.code>14G</allocationScheme.code>

<status.code>03G</status.code>

</Period>

<Period>

<timeInterval>2018-03-03T04:00Z/2018-03-03T05:00Z</timeInterval>

<direction.code>Z03</direction.code>

<quantity.amount>760</quantity.amount>

<allocationScheme.code>14G</allocationScheme.code>

<status.code>03G</status.code>

</Period>

</TimeSeries>

</Account>

</ConnectionPoint>

</Allocation\_Document>

</Documents>

</GetAllocationsWithinDayResponse>

</s:Body>

</s:Envelope>

#### Xml Example – In the event of error

<s:Envelope xmlns:s=**"http://www.w3.org/2003/05/soap-envelope"** xmlns:a=**"http://www.w3.org/2005/08/addressing"** xmlns:u=**"http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd"**>

<s:Header>

<a:Action s:mustUnderstand=**"1"**>**http://domain.service.fgsz.hu/IFGSZShipperServiceSoapWrapper/GetAllocationWithinDayResponse**</a:Action>

<o:Security s:mustUnderstand=**"1"** xmlns:o=**"http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd"**>

<u:Timestamp u:Id=**"\_0"**>

<u:Created>**2018-05-17T14:43:19.798Z**</u:Created>

<u:Expires>**2018-05-17T14:48:19.798Z**</u:Expires>

</u:Timestamp>

</o:Security>

</s:Header>

<s:Body xmlns:xsi=**"http://www.w3.org/2001/XMLSchema-instance"** xmlns:xsd=**"http://www.w3.org/2001/XMLSchema"**>

<GetAllocationWithinDayResponse xmlns=**"http://domain.service.fgsz.hu"**>

<GetAllocationWithinDayResult>

<success>**false**</success>

<generalErrorCode>**SS0002**</generalErrorCode>

<generalErrorText>**[SS0002] Shipper code (**SHIPPEREICCODE**) is missing from DB.**</generalErrorText>

</GetAllocationWithinDayResult>

</GetAllocationWithinDayResponse>

</s:Body>

</s:Envelope>

## QUERY/REQUEST FOR HOURLY ALLOCATIONS (GetAllocationHourly)

### Description

Informs the network user about the quantities allocated in the given hour of the gasday, helping to submit more precise nominations in the case of re-nominating. The data service is only available to those eligible network users who are affected and they receive only the data in which they are present/involved as network user.  
The service is available at any time, contains the latest updated version of the hourly allocation quantities available up to the very time of the request.

Name of proposed method: **GetAllocationHourly**

### Message with request

The request message contains the gasday and gashour, the allocation data of which the network user wants to request.

#### Structure

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Description** | **XML element name** | **Format / type** |
| Subject gashour | The gashour to which the allocation refers. | hour | xsd:Number |
| Date of creation | Creation date of message. The new IP does not use the field. creationDate xsd: dateTime | creationDate | xsd:dateTime |
| Unique identifier of the message | An identifier generated by the sender that identifies exactly one of the messages he has ever sent. The new IP does not use the field | messageID | xsd:Number |
| Sender ID | The EIC or IP code of the sender or the partner who assigned the actual sender with sending the message. The accepted coding schemes are ZZZ, which means the IP code, or 305, which means EIC code | sender | xsd:String |
| Subject Gas day | Subject gasday | subjectGasDay | xsd:date (ÉÉÉÉ-HH-NN) |

#### Xml Example

<soap:Envelope xmlns:soap=**"http://www.w3.org/2003/05/soap-envelope"** xmlns:dom=**"http://domain.service.fgsz.hu"**>

<soap:Header/>

<soap:Body>

<dom:GetAllocationHourlyRequest>

<dom:hour>**11**</dom:hour>

<!--Optional:-->

<dom:messageHeader>

<dom:creationDate>**2018-07-09**</dom:creationDate>

<dom:messageId>**001**</dom:messageId>

<!--Optional:-->

<dom:sender codingScheme=**"ZZZ"**>**SHIPPERCODE**</dom:sender>

</dom:messageHeader>

<dom:subjectGasDay>**2018-06-28**</dom:subjectGasDay>

</dom:GetAllocationHourlyRequest>

</soap:Body>

</soap:Envelope>

### Message with response

In the response, the allocation lines for the network points used by the network user are contained.  
The response message contains the allocation lines in the Documents block according to the Edig@ standard.

Policies, specialties, restrictions/constrains:

See chapter **Hiba! A hivatkozási forrás nem található.**.

Error codes:

|  |  |
| --- | --- |
| **Error code** | **Error message** |
| SS0001 | The registered/logged-in user partner’s code does not match the code in the sender field. |
| SS0002 | The network user code is not found in the database. |

#### Structure

See chapter **Hiba! A hivatkozási forrás nem található.**.

#### Xml Example – In the event of success

<s:Envelope xmlns:s=**"http://www.w3.org/2003/05/soap-envelope"** xmlns:a=**"http://www.w3.org/2005/08/addressing"** xmlns:u=**"http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd"**>

<s:Header>

<a:Action s:mustUnderstand=**"1"**>**http://domain.service.fgsz.hu/IFGSZShipperServiceSoapWrapper/GetAllocationHourlyResponse**</a:Action>

<o:Security s:mustUnderstand=**"1"** xmlns:o=**"http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd"**>

<u:Timestamp u:Id=**"\_0"**>

<u:Created>**2018-07-09T14:51:05.203Z**</u:Created>

<u:Expires>**2018-07-09T14:56:05.203Z**</u:Expires>

</u:Timestamp>

</o:Security>

</s:Header>

<s:Body xmlns:xsi=**"http://www.w3.org/2001/XMLSchema-instance"** xmlns:xsd=**"http://www.w3.org/2001/XMLSchema"**>

<AllocationHourlyResponse xmlns=**"http://domain.service.fgsz.hu"**>

<Documents>

<Allocation\_Document release=**""**>

<identification>**de1cb832b0704f999412c9cba015cd7c**</identification>

<version>**1**</version>

<type>**96G**</type>

<creationDateTime>**2018-07-09T16:51:05.0627079+02:00**</creationDateTime>

<validityPeriod>**2018-06-28T04:00Z/2018-06-28T05:00Z**</validityPeriod>

<contractReference>**de1cb832b0704f999412c9cba015cd7c**</contractReference>

<contractType>**CT**</contractType>

<issuer\_MarketParticipant.identification xsi:type=**"PartyType"** codingScheme=**"305"**>**NNOEICCODE**</issuer\_MarketParticipant.identification>

<issuer\_MarketParticipant.marketRole.code>**ZSO**</issuer\_MarketParticipant.marketRole.code>

<recipient\_MarketParticipant.identification xsi:type=**"PartyType"** codingScheme=**"305"**>**SHIPPEREICCODE**</recipient\_MarketParticipant.identification>

<recipient\_MarketParticipant.marketRole.code>**ZSH**</recipient\_MarketParticipant.marketRole.code>

<ConnectionPoint>

<identification codingScheme=**"305"**>**39ZKETELJCS07ENP**</identification>

<measureUnit.code>**KW2**</measureUnit.code>

<Account>

<internalAccount codingScheme=**"305"**>**SHIPPEREICCODE**</internalAccount>

<internalAccountTso codingScheme=**"305"**>**21X-HU-A-A0A0A-8**</internalAccountTso>

<externalAccount codingScheme=**"305"**>**SHIPPEREICCODE**</externalAccount>

<externalAccountTso codingScheme=**"305"**>**21X-HU-A-A0A0A-8**</externalAccountTso>

<TimeSeries>

<type>**Z01**</type>

<Period>

<timeInterval>**2018-06-28T04:00Z/2018-06-28T05:00Z**</timeInterval>

<direction.code>**Z03**</direction.code>

<quantity.amount>**76407**</quantity.amount>

<allocationScheme.code>**04G**</allocationScheme.code>

<status.code>**03G**</status.code>

</Period>

</TimeSeries>

</Account>

</ConnectionPoint>

<ConnectionPoint>

<identification codingScheme=**"305"**>**39ZKEJANOSH11GNA**</identification>

<measureUnit.code>**KW2**</measureUnit.code>

<Account>

<internalAccount codingScheme=**"305"**>**SHIPPEREICCODE**</internalAccount>

<internalAccountTso codingScheme=**"305"**>**21X-HU-A-A0A0A-8**</internalAccountTso>

<externalAccount codingScheme=**"305"**>**SHIPPEREICCODE**</externalAccount>

<externalAccountTso codingScheme=**"305"**>**21X-HU-A-A0A0A-8**</externalAccountTso>

<TimeSeries>

<type>**Z01**</type>

<Period>

<timeInterval>**2018-06-28T04:00Z/2018-06-28T05:00Z**</timeInterval>

<direction.code>**Z03**</direction.code>

<quantity.amount>**36989**</quantity.amount>

<allocationScheme.code>**04G**</allocationScheme.code>

<status.code>**03G**</status.code>

</Period>

</TimeSeries>

</Account>

</ConnectionPoint>

<ConnectionPoint>

<identification codingScheme=**"305"**>**39ZKEKALOCS11GNQ**</identification>

<measureUnit.code>**KW2**</measureUnit.code>

<Account>

<internalAccount codingScheme=**"305"**>**SHIPPEREICCODE**</internalAccount>

<internalAccountTso codingScheme=**"305"**>**21X-HU-A-A0A0A-8**</internalAccountTso>

<externalAccount codingScheme=**"305"**>**SHIPPEREICCODE**</externalAccount>

<externalAccountTso codingScheme=**"305"**>**21X-HU-A-A0A0A-8**</externalAccountTso>

<TimeSeries>

<type>**Z01**</type>

<Period>

<timeInterval>**2018-06-28T04:00Z/2018-06-28T05:00Z**</timeInterval>

<direction.code>**Z03**</direction.code>

<quantity.amount>**60033**</quantity.amount>

<allocationScheme.code>**04G**</allocationScheme.code>

<status.code>**03G**</status.code>

</Period>

</TimeSeries>

</Account>

</ConnectionPoint>

<ConnectionPoint>

<identification codingScheme=**"305"**>**39ZKEBATMON11GNF**</identification>

<measureUnit.code>**KW2**</measureUnit.code>

<Account>

<internalAccount codingScheme=**"305"**>**SHIPPEREICCODE**</internalAccount>

<internalAccountTso codingScheme=**"305"**>**21X-HU-A-A0A0A-8**</internalAccountTso>

<externalAccount codingScheme=**"305"**>**SHIPPEREICCODE**</externalAccount>

<externalAccountTso codingScheme=**"305"**>**21X-HU-A-A0A0A-8**</externalAccountTso>

<TimeSeries>

<type>**Z01**</type>

<Period>

<timeInterval>**2018-06-28T04:00Z/2018-06-28T05:00Z**</timeInterval>

<direction.code>**Z03**</direction.code>

<quantity.amount>**19181**</quantity.amount>

<allocationScheme.code>**04G**</allocationScheme.code>

<status.code>**03G**</status.code>

</Period>

</TimeSeries>

</Account>

</ConnectionPoint>

<ConnectionPoint>

<identification codingScheme=**"305"**>**39ZKAMOSONM11GNU**</identification>

<measureUnit.code>**KW2**</measureUnit.code>

<Account>

<internalAccount codingScheme=**"305"**>**SHIPPEREICCODE**</internalAccount>

<internalAccountTso codingScheme=**"305"**>**21X-HU-A-A0A0A-8**</internalAccountTso>

<externalAccount codingScheme=**"305"**>**SHIPPEREICCODE**</externalAccount>

<externalAccountTso codingScheme=**"305"**>**21X-HU-A-A0A0A-8**</externalAccountTso>

<TimeSeries>

<type>**Z01**</type>

<Period>

<timeInterval>**2018-06-28T04:00Z/2018-06-28T05:00Z**</timeInterval>

<direction.code>**Z03**</direction.code>

<quantity.amount>**104749**</quantity.amount>

<allocationScheme.code>**04G**</allocationScheme.code>

<status.code>**03G**</status.code>

</Period>

</TimeSeries>

</Account>

</ConnectionPoint>

<ConnectionPoint>

<identification codingScheme=**"305"**>**39ZKEPUSZTS11GNJ**</identification>

<measureUnit.code>**KW2**</measureUnit.code>

<Account>

<internalAccount codingScheme=**"305"**>**SHIPPEREICCODE**</internalAccount>

<internalAccountTso codingScheme=**"305"**>**21X-HU-A-A0A0A-8**</internalAccountTso>

<externalAccount codingScheme=**"305"**>**SHIPPEREICCODE**</externalAccount>

<externalAccountTso codingScheme=**"305"**>**21X-HU-A-A0A0A-8**</externalAccountTso>

<TimeSeries>

<type>**Z01**</type>

<Period>

<timeInterval>**2018-06-28T04:00Z/2018-06-28T05:00Z**</timeInterval>

<direction.code>**Z03**</direction.code>

<quantity.amount>**18271**</quantity.amount>

<allocationScheme.code>**04G**</allocationScheme.code>

<status.code>**03G**</status.code>

</Period>

</TimeSeries>

</Account>

</ConnectionPoint>

</Allocation\_Document>

</Documents>

<success>**true**</success>

</AllocationHourlyResponse>

</s:Body>

</s:Envelope>

#### Xml Example – In the event of error

<s:Envelope xmlns:s=**"http://www.w3.org/2003/05/soap-envelope"** xmlns:a=**"http://www.w3.org/2005/08/addressing"** xmlns:u=**"http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd"**>

<s:Header>

<a:Action s:mustUnderstand=**"1"**>**http://domain.service.fgsz.hu/IFGSZShipperServiceSoapWrapper/GetAllocationHourlyResponse**</a:Action>

<o:Security s:mustUnderstand=**"1"** xmlns:o=**"http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd"**>

<u:Timestamp u:Id=**"\_0"**>

<u:Created>**2018-07-09T14:17:26.534Z**</u:Created>

<u:Expires>**2018-07-09T14:22:26.534Z**</u:Expires>

</u:Timestamp>

</o:Security>

</s:Header>

<s:Body xmlns:xsi=**"http://www.w3.org/2001/XMLSchema-instance"** xmlns:xsd=**"http://www.w3.org/2001/XMLSchema"**>

<AllocationHourlyResponse xmlns=**"http://domain.service.fgsz.hu"**>

<generalErrorCode>**SS0002**</generalErrorCode>

<generalErrorText>**[SS0002] A rendszerhasználó code () nem található az adatbázisban.**</generalErrorText>

<success>**false**</success>

</AllocationHourlyResponse>

</s:Body>

</s:Envelope>

# Measurement services

## Business environment

The system operation licensee carries out daily operative data supply service that it makes available over the IT platform to those having the access right. The data service regarding the measurement module is used to communicate the measurement results.

In the data service, only those elementary points of the network points are shown for the data users to which they are linked as shipper.

## DAILY MEASUREMENT DATA SERVICE (GetMeasurementDaily)

### Description

This data service provides gas quality and gas composition measurement data to network users, typically the latest updated version for the given gasday, completed by the K conversion factors for the given period stored in the system.

Name of proposed method: **GetMeasurementDaily**

### Message with request

The request message contains the gasday whose measurement data the system operator wants to query/request.

#### Structure

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Description** | **XML element name** | **Format / type** |
| Date of creation | Creation date/time of message | creationDate | xsd:dateTime |
| Unique identifier of the message | An identifier generated by the sender that identifies exactly one of the messages he has ever sent. The new IP does not use the field. | messageID | xsd:Number |
| Sender ID | The FGSZ IP code of the sender or the partner who assigned the actual sender with sending the message. The only currently accepted "ZZZ" encoding means that it is the partner's IP code. | sender | xsd:String |
| Subject Gas day | Subject Gas day | subjectGasDay | xsd:date (ÉÉÉÉ-HH-NN) |
| Measurement data type | It can be optionally specified, that the query applies to elementary or network points. If the tag is empty then the request applies to to elementary points. Value set: NETWORKPOINT; | measurementDataType | xsd:String |

#### Xml Example

<soapenv:Envelope xmlns:soapenv=**"http://www.w3.org/2003/05/soap-envelope"** xmlns:dom=**"http://domain.service.fgsz.hu"**>

<soapenv:Header/>

<soapenv:Body>

<dom:GetMeasurementDailyRequest>

<dom:messageHeader>

<dom:creationDate>**2018-03-01**</dom:creationDate>

<dom:messageId>**001**</dom:messageId>

<dom:sender codingScheme=**"ZZZ"**>**SHIPPERCODE**</dom:sender>

</dom:messageHeader>

<dom:subjectGasDay>**2018-03-01**</dom:subjectGasDay>

<measurementDataType/>

</dom:GetMeasurementDailyRequest>

</soapenv:Body>

</soapenv:Envelope>

### Message with response

In the response, the measurement data regarding those elementary points are contained that belong to the network points used by the Network user as shipper.

Error codes:

|  |  |
| --- | --- |
| **Error code** | **Error message** |
| SS0001 | The registered/logged-in user partner’s code does not match the code in the sender field. The registered/logged-id user partner’s code does not match the code in the sender field. |
| SS0002 | The network user code is not found in the database. |

#### Structure

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Description** | **XML element name** | **Format / type** |
| Error code | In the event of error Error message code. | generalErrorCode | xsd:String |
| Error message | In the event of error Error message. | generalErrorText | xsd:String |
| Successfulness | Bit showing the successfulness of processing the originalmessage.. | success | xs:boolean |
| Elementar Point Direction | Its value can be: IN, or OUT; | direction | xsd:String |
| Point code | Point code (IP system code) | location |  |
| Point Name | Point Name | description |  |
| Connecting System Operator Code | Code (IP systemc code) of the System Operator connecting at the point | operator |  |
| Measurement data | At the point, the quality and quantity measurement data measured on the Subject gasday.  The measurement data category is displayed encoded. The measured quantity itself is in the unit of measurement as of the table below. | measuredQuantity | xsd:Number |

Codes for measurement data fields:

|  |  |  |  |
| --- | --- | --- | --- |
| **Code** | **Field name, description** | **XML element name** | **Format / type** |
| E25 | Quantity of energy (25/0°C) | dimension |  |
| E15 | Quantity of energy (15/15°C) | dimension |  |
| V15 | Volume (15°C) | dimension |  |
| V00 | Volume (0°C) | dimension |  |
| DN2 | Relative density (0°C) | dimension |  |
| DN1 | Relative density (15°C) | dimension |  |
| GCV | Burning heat (25/0°C) | dimension |  |
| GCV | Burning heat (15/15°C) | dimension |  |
| HIB | Izobutan | dimension |  |
| HIP | Izopentan | dimension |  |
| HNP | Neopentan | dimension |  |
| HPN | Normal pentane | dimension |  |
| LCV | Calorific value (25/0°C) | dimension |  |
| LCV | Calorific value (15/15°C) | dimension |  |
| ZN | Nitrogen | dimension |  |
| ZQD | Carbon dioxide | dimension |  |
| ZQF | Propane | dimension |  |
| ZQG | Ethan | dimension |  |
| ZQH | Methane | dimension |  |
| ZQI | Normal butane | dimension |  |
| ZQJ | C6+ | dimension |  |
| ZWI | Wobbe-number (25/0°C) | dimension |  |
| ZWI | Wobbe-number (15/15°C) | dimension |  |
| C00 | Carbon content (0°C) | dimension |  |
| C15 | Carbon content (15°C) | dimension |  |
| KE | KEnergy (kWh --> MJ) | dimension |  |
| KV | KVolume (m3 15°C --> m3 0°C) | dimension |  |
| ZQR | Hydrogen | dimension |  |

Codes for measurement units of measurement data:

|  |  |  |  |
| --- | --- | --- | --- |
| **Code** | **Field name, description** | **XML element name** | **Format / type** |
| KWH | kWh | measured unit |  |
| \_3B | MJ | measured unit |  |
| MQ5 | m3 | measured unit |  |
| Z99 | no unit of measurement | measured unit |  |
| JM | MJ/m3 | measured unit |  |
| MOL | mol% | measured unit |  |

#### Xml Example – In the event of success

<s:Envelope xmlns:s=**"http://www.w3.org/2003/05/soap-envelope"** xmlns:a=**"http://www.w3.org/2005/08/addressing"** xmlns:u=**"http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd"**>

<s:Header>

<a:Action s:mustUnderstand=**"1"**>**http://domain.service.fgsz.hu/IFGSZShipperServiceSoapWrapper/GetMeasurementDailyResponse**</a:Action>

<o:Security s:mustUnderstand=**"1"** xmlns:o=**"http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd"**>

<u:Timestamp u:Id=**"\_0"**>

<u:Created>**2018-07-06T17:56:53.060Z**</u:Created>

<u:Expires>**2018-07-06T18:01:53.060Z**</u:Expires>

</u:Timestamp>

</o:Security>

</s:Header>

<s:Body xmlns:xsi=**"http://www.w3.org/2001/XMLSchema-instance"** xmlns:xsd=**"http://www.w3.org/2001/XMLSchema"**>

<GetMeasurementDailyResponse xmlns=**"http://domain.service.fgsz.hu"**>

<GetMeasurementDailyResult>

<success>**true**</success>

<measurementData direction=**"OUT"**>

<HourOfGasDay>**0**</HourOfGasDay>

<location codingScheme=**"ZZZ"**>**KAPAPA0011GN**</location>

<description>**Pápa**</description>

<operator codingScheme=**"ZZZ"**>**NNOCODE**</operator>

<measuredQuantity dimension=**"DN2"** measureUnit=**"Z99"**>**0.5833**</measuredQuantity>

<measuredQuantity dimension=**"DN1"** measureUnit=**"Z99"**>**0.5831**</measuredQuantity>

<measuredQuantity dimension=**"GCV"** measureUnit=**"KW3"**>**11.320568**</measuredQuantity>

<measuredQuantity dimension=**"GCV"** measureUnit=**"JM"**>**38.655445**</measuredQuantity>

<measuredQuantity dimension=**"HIB"** measureUnit=**"MOL"**>**0.1007**</measuredQuantity>

<measuredQuantity dimension=**"HIP"** measureUnit=**"MOL"**>**0.0213**</measuredQuantity>

<measuredQuantity dimension=**"HNP"** measureUnit=**"MOL"**>**0**</measuredQuantity>

<measuredQuantity dimension=**"HPN"** measureUnit=**"MOL"**>**0.0156**</measuredQuantity>

<measuredQuantity dimension=**"LCV"** measureUnit=**"KW3"**>**10.213928**</measuredQuantity>

<measuredQuantity dimension=**"LCV"** measureUnit=**"JM"**>**34.844597**</measuredQuantity>

<measuredQuantity dimension=**"ZN"** measureUnit=**"MOL"**>**0.7718**</measuredQuantity>

<measuredQuantity dimension=**"ZQD"** measureUnit=**"MOL"**>**0.3186**</measuredQuantity>

<measuredQuantity dimension=**"ZQF"** measureUnit=**"MOL"**>**0.6759**</measuredQuantity>

<measuredQuantity dimension=**"ZQG"** measureUnit=**"MOL"**>**2.291**</measuredQuantity>

<measuredQuantity dimension=**"ZQH"** measureUnit=**"MOL"**>**95.679**</measuredQuantity>

<measuredQuantity dimension=**"ZQI"** measureUnit=**"JM"**>**0.1063**</measuredQuantity>

<measuredQuantity dimension=**"ZQJ"** measureUnit=**"MOL"**>**0.0198**</measuredQuantity>

<measuredQuantity dimension=**"ZWI"** measureUnit=**"KW3"**>**14.8227**</measuredQuantity>

<measuredQuantity dimension=**"ZWI"** measureUnit=**"JM"**>**50.6209**</measuredQuantity>

<measuredQuantity dimension=**"C00"** measureUnit=**"MOL"**>**0.5573**</measuredQuantity>

<measuredQuantity dimension=**"C15"** measureUnit=**"MOL"**>**0.5283**</measuredQuantity>

<measuredQuantity dimension=**"KE"** measureUnit=**"Z99"**>**3.2491**</measuredQuantity>

<measuredQuantity dimension=**"KV"** measureUnit=**"Z99"**>**0.947521**</measuredQuantity>

<measuredQuantity dimension=**"ZQR"** measureUnit=**"MOL"**>**0.1122**</measuredQuantity>

</measurementData>

<measurementData direction=**"OUT"**>

<HourOfGasDay>**0**</HourOfGasDay>

<location codingScheme=**"ZZZ"**>**KADUNAUJ15GN**</location>

<description>**Dunaújváros 5**</description>

<operator codingScheme=**"ZZZ"**>**NNOCODE**</operator>

<measuredQuantity dimension=**"DN2"** measureUnit=**"Z99"**>**0.608**</measuredQuantity>

<measuredQuantity dimension=**"DN1"** measureUnit=**"Z99"**>**0.6081**</measuredQuantity>

<measuredQuantity dimension=**"GCV"** measureUnit=**"KW3"**>**11.247372**</measuredQuantity>

<measuredQuantity dimension=**"GCV"** measureUnit=**"JM"**>**38.382748**</measuredQuantity>

<measuredQuantity dimension=**"HIB"** measureUnit=**"MOL"**>**0.1576**</measuredQuantity>

<measuredQuantity dimension=**"HIP"** measureUnit=**"MOL"**>**0.0487**</measuredQuantity>

<measuredQuantity dimension=**"HNP"** measureUnit=**"MOL"**>**0**</measuredQuantity>

<measuredQuantity dimension=**"HPN"** measureUnit=**"MOL"**>**0.0402**</measuredQuantity>

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<measuredQuantity dimension=**"LCV"** measureUnit=**"JM"**>**34.616619**</measuredQuantity>

<measuredQuantity dimension=**"ZN"** measureUnit=**"MOL"**>**1.6774**</measuredQuantity>

<measuredQuantity dimension=**"ZQD"** measureUnit=**"MOL"**>**1.5569**</measuredQuantity>

<measuredQuantity dimension=**"ZQF"** measureUnit=**"MOL"**>**0.8698**</measuredQuantity>

<measuredQuantity dimension=**"ZQG"** measureUnit=**"MOL"**>**2.8913**</measuredQuantity>

<measuredQuantity dimension=**"ZQH"** measureUnit=**"MOL"**>**92.5072**</measuredQuantity>

<measuredQuantity dimension=**"ZQI"** measureUnit=**"JM"**>**0.1746**</measuredQuantity>

<measuredQuantity dimension=**"ZQJ"** measureUnit=**"MOL"**>**0.0764**</measuredQuantity>

<measuredQuantity dimension=**"ZWI"** measureUnit=**"KW3"**>**14.4245**</measuredQuantity>

<measuredQuantity dimension=**"ZWI"** measureUnit=**"JM"**>**49.2207**</measuredQuantity>

<measuredQuantity dimension=**"C00"** measureUnit=**"MOL"**>**0.5626**</measuredQuantity>

<measuredQuantity dimension=**"C15"** measureUnit=**"MOL"**>**0.5333**</measuredQuantity>

<measuredQuantity dimension=**"KE"** measureUnit=**"Z99"**>**3.2491**</measuredQuantity>

<measuredQuantity dimension=**"KV"** measureUnit=**"Z99"**>**0.947521**</measuredQuantity>

<measuredQuantity dimension=**"ZQR"** measureUnit=**"MOL"**>**0.1122**</measuredQuantity>

</measurementData>

<measurementData direction=**"OUT"**>

<HourOfGasDay>**0**</HourOfGasDay>

<location codingScheme=**"ZZZ"**>**KADUNAUJ13GN**</location>

<description>**Dunaújváros 3**</description>

<operator codingScheme=**"ZZZ"**>**NNOCODE**</operator>

<measuredQuantity dimension=**"DN2"** measureUnit=**"Z99"**>**0.608**</measuredQuantity>

<measuredQuantity dimension=**"DN1"** measureUnit=**"Z99"**>**0.6081**</measuredQuantity>

<measuredQuantity dimension=**"GCV"** measureUnit=**"KW3"**>**11.247372**</measuredQuantity>

<measuredQuantity dimension=**"GCV"** measureUnit=**"JM"**>**38.382748**</measuredQuantity>

<measuredQuantity dimension=**"HIB"** measureUnit=**"MOL"**>**0.1576**</measuredQuantity>

<measuredQuantity dimension=**"HIP"** measureUnit=**"MOL"**>**0.0487**</measuredQuantity>

<measuredQuantity dimension=**"HNP"** measureUnit=**"MOL"**>**0**</measuredQuantity>

<measuredQuantity dimension=**"HPN"** measureUnit=**"MOL"**>**0.0402**</measuredQuantity>

<measuredQuantity dimension=**"LCV"** measureUnit=**"KW3"**>**10.143775**</measuredQuantity>

<measuredQuantity dimension=**"LCV"** measureUnit=**"JM"**>**34.616619**</measuredQuantity>

<measuredQuantity dimension=**"ZN"** measureUnit=**"MOL"**>**1.6774**</measuredQuantity>

<measuredQuantity dimension=**"ZQD"** measureUnit=**"MOL"**>**1.5569**</measuredQuantity>

<measuredQuantity dimension=**"ZQF"** measureUnit=**"MOL"**>**0.8698**</measuredQuantity>

<measuredQuantity dimension=**"ZQG"** measureUnit=**"MOL"**>**2.8913**</measuredQuantity>

<measuredQuantity dimension=**"ZQH"** measureUnit=**"MOL"**>**92.5072**</measuredQuantity>

<measuredQuantity dimension=**"ZQI"** measureUnit=**"JM"**>**0.1746**</measuredQuantity>

<measuredQuantity dimension=**"ZQJ"** measureUnit=**"MOL"**>**0.0764**</measuredQuantity>

<measuredQuantity dimension=**"ZWI"** measureUnit=**"KW3"**>**14.4245**</measuredQuantity>

<measuredQuantity dimension=**"ZWI"** measureUnit=**"JM"**>**49.2207**</measuredQuantity>

<measuredQuantity dimension=**"C00"** measureUnit=**"MOL"**>**0.5626**</measuredQuantity>

<measuredQuantity dimension=**"C15"** measureUnit=**"MOL"**>**0.5333**</measuredQuantity>

<measuredQuantity dimension=**"KE"** measureUnit=**"Z99"**>**3.2491**</measuredQuantity>

<measuredQuantity dimension=**"KV"** measureUnit=**"Z99"**>**0.947521**</measuredQuantity>

<measuredQuantity dimension=**"ZQR"** measureUnit=**"MOL"**>**0.1122**</measuredQuantity>

</measurementData>

<measurementData direction=**"OUT"**>

<HourOfGasDay>**0**</HourOfGasDay>

<location codingScheme=**"ZZZ"**>**KAMOSONM11GN**</location>

<description>**Mosonmagyaróvár**</description>

<operator codingScheme=**"ZZZ"**>**NNOCODE**</operator>

<measuredQuantity dimension=**"DN2"** measureUnit=**"Z99"**>**0.5834**</measuredQuantity>

<measuredQuantity dimension=**"DN1"** measureUnit=**"Z99"**>**0.5832**</measuredQuantity>

<measuredQuantity dimension=**"GCV"** measureUnit=**"KW3"**>**11.318013**</measuredQuantity>

<measuredQuantity dimension=**"GCV"** measureUnit=**"JM"**>**38.646729**</measuredQuantity>

<measuredQuantity dimension=**"HIB"** measureUnit=**"MOL"**>**0.1012**</measuredQuantity>

<measuredQuantity dimension=**"HIP"** measureUnit=**"MOL"**>**0.0208**</measuredQuantity>

<measuredQuantity dimension=**"HNP"** measureUnit=**"MOL"**>**0**</measuredQuantity>

<measuredQuantity dimension=**"HPN"** measureUnit=**"MOL"**>**0.0151**</measuredQuantity>

<measuredQuantity dimension=**"LCV"** measureUnit=**"KW3"**>**10.211637**</measuredQuantity>

<measuredQuantity dimension=**"LCV"** measureUnit=**"JM"**>**34.836777**</measuredQuantity>

<measuredQuantity dimension=**"ZN"** measureUnit=**"MOL"**>**0.7967**</measuredQuantity>

<measuredQuantity dimension=**"ZQD"** measureUnit=**"MOL"**>**0.3191**</measuredQuantity>

<measuredQuantity dimension=**"ZQF"** measureUnit=**"MOL"**>**0.6774**</measuredQuantity>

<measuredQuantity dimension=**"ZQG"** measureUnit=**"MOL"**>**2.2952**</measuredQuantity>

<measuredQuantity dimension=**"ZQH"** measureUnit=**"MOL"**>**95.6489**</measuredQuantity>

<measuredQuantity dimension=**"ZQI"** measureUnit=**"JM"**>**0.1059**</measuredQuantity>

<measuredQuantity dimension=**"ZQJ"** measureUnit=**"MOL"**>**0.0197**</measuredQuantity>

<measuredQuantity dimension=**"ZWI"** measureUnit=**"KW3"**>**14.8178**</measuredQuantity>

<measuredQuantity dimension=**"ZWI"** measureUnit=**"JM"**>**50.6042**</measuredQuantity>

<measuredQuantity dimension=**"C00"** measureUnit=**"MOL"**>**0.5572**</measuredQuantity>

<measuredQuantity dimension=**"C15"** measureUnit=**"MOL"**>**0.5282**</measuredQuantity>

<measuredQuantity dimension=**"KE"** measureUnit=**"Z99"**>**3.2491**</measuredQuantity>

<measuredQuantity dimension=**"KV"** measureUnit=**"Z99"**>**0.947521**</measuredQuantity>

<measuredQuantity dimension=**"ZQR"** measureUnit=**"MOL"**>**0.1122**</measuredQuantity>

</measurementData>

<measurementData direction=**"OUT"**>

<HourOfGasDay>**0**</HourOfGasDay>

<location codingScheme=**"ZZZ"**>**KADHE0001VEN**</location>

<description>**Százhalombatta I-5-2 (DHE)**</description>

<operator codingScheme=**"ZZZ"**>**NNOCODE**</operator>

<measuredQuantity dimension=**"DN2"** measureUnit=**"Z99"**>**0.6082**</measuredQuantity>

<measuredQuantity dimension=**"DN1"** measureUnit=**"Z99"**>**0.608**</measuredQuantity>

<measuredQuantity dimension=**"GCV"** measureUnit=**"KW3"**>**11.237623**</measuredQuantity>

<measuredQuantity dimension=**"GCV"** measureUnit=**"JM"**>**38.371174**</measuredQuantity>

<measuredQuantity dimension=**"HIB"** measureUnit=**"MOL"**>**0.1572**</measuredQuantity>

<measuredQuantity dimension=**"HIP"** measureUnit=**"MOL"**>**0.0483**</measuredQuantity>

<measuredQuantity dimension=**"HNP"** measureUnit=**"MOL"**>**0**</measuredQuantity>

<measuredQuantity dimension=**"HPN"** measureUnit=**"MOL"**>**0.0394**</measuredQuantity>

<measuredQuantity dimension=**"LCV"** measureUnit=**"KW3"**>**10.144202**</measuredQuantity>

<measuredQuantity dimension=**"LCV"** measureUnit=**"JM"**>**34.605934**</measuredQuantity>

<measuredQuantity dimension=**"ZN"** measureUnit=**"MOL"**>**1.6845**</measuredQuantity>

<measuredQuantity dimension=**"ZQD"** measureUnit=**"MOL"**>**1.5591**</measuredQuantity>

<measuredQuantity dimension=**"ZQF"** measureUnit=**"MOL"**>**0.864**</measuredQuantity>

<measuredQuantity dimension=**"ZQG"** measureUnit=**"MOL"**>**2.8841**</measuredQuantity>

<measuredQuantity dimension=**"ZQH"** measureUnit=**"MOL"**>**92.5135**</measuredQuantity>

<measuredQuantity dimension=**"ZQI"** measureUnit=**"JM"**>**0.1739**</measuredQuantity>

<measuredQuantity dimension=**"ZQJ"** measureUnit=**"MOL"**>**0.0761**</measuredQuantity>

<measuredQuantity dimension=**"ZWI"** measureUnit=**"KW3"**>**14.4097**</measuredQuantity>

<measuredQuantity dimension=**"ZWI"** measureUnit=**"JM"**>**49.2095**</measuredQuantity>

<measuredQuantity dimension=**"C00"** measureUnit=**"MOL"**>**0.5624**</measuredQuantity>

<measuredQuantity dimension=**"C15"** measureUnit=**"MOL"**>**0.5331**</measuredQuantity>

<measuredQuantity dimension=**"KE"** measureUnit=**"Z99"**>**3.2491**</measuredQuantity>

<measuredQuantity dimension=**"KV"** measureUnit=**"Z99"**>**0.947521**</measuredQuantity>

<measuredQuantity dimension=**"ZQR"** measureUnit=**"MOL"**>**0.1122**</measuredQuantity>

</measurementData>

<measurementData direction=**"OUT"**>

<HourOfGasDay>**0**</HourOfGasDay>

<location codingScheme=**"ZZZ"**>**KAPETFUR11GN**</location>

<description>**Pétfürdő 1**</description>

<operator codingScheme=**"ZZZ"**>**NNOCODE**</operator>

<measuredQuantity dimension=**"DN2"** measureUnit=**"Z99"**>**0.6023**</measuredQuantity>

<measuredQuantity dimension=**"DN1"** measureUnit=**"Z99"**>**0.6021**</measuredQuantity>

<measuredQuantity dimension=**"GCV"** measureUnit=**"KW3"**>**11.271728**</measuredQuantity>

<measuredQuantity dimension=**"GCV"** measureUnit=**"JM"**>**38.487846**</measuredQuantity>

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<measuredQuantity dimension=**"HIP"** measureUnit=**"MOL"**>**0.0423**</measuredQuantity>

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<measuredQuantity dimension=**"LCV"** measureUnit=**"JM"**>**34.707691**</measuredQuantity>

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<measuredQuantity dimension=**"ZQD"** measureUnit=**"MOL"**>**1.233**</measuredQuantity>

<measuredQuantity dimension=**"ZQF"** measureUnit=**"MOL"**>**0.8211**</measuredQuantity>

<measuredQuantity dimension=**"ZQG"** measureUnit=**"MOL"**>**2.7995**</measuredQuantity>

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<measuredQuantity dimension=**"ZQI"** measureUnit=**"JM"**>**0.1583**</measuredQuantity>

<measuredQuantity dimension=**"ZQJ"** measureUnit=**"MOL"**>**0.0659**</measuredQuantity>

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<measuredQuantity dimension=**"KV"** measureUnit=**"Z99"**>**0.947521**</measuredQuantity>

<measuredQuantity dimension=**"ZQR"** measureUnit=**"MOL"**>**0.1122**</measuredQuantity>

</measurementData>

<measurementData direction=**"OUT"**>

<HourOfGasDay>**0**</HourOfGasDay>

<location codingScheme=**"ZZZ"**>**KADUNAUJ12GN**</location>

<description>**Dunaújváros 2**</description>

<operator codingScheme=**"ZZZ"**>**NNOCODE**</operator>

<measuredQuantity dimension=**"DN2"** measureUnit=**"Z99"**>**0.608**</measuredQuantity>

<measuredQuantity dimension=**"DN1"** measureUnit=**"Z99"**>**0.6081**</measuredQuantity>

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</measurementData>

<subjectGasDay>**2018-06-23**</subjectGasDay>

</GetMeasurementDailyResult>

</GetMeasurementDailyResponse>

</s:Body>

</s:Envelope>

#### Xml Example – In the event of error

<s:Envelope xmlns:s=**"http://www.w3.org/2003/05/soap-envelope"** xmlns:a=**"http://www.w3.org/2005/08/addressing"** xmlns:u=**"http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd"**>

<s:Header>

<a:Action s:mustUnderstand=**"1"**>**http://domain.service.fgsz.hu/IFGSZShipperServiceSoapWrapper/GetMeasurementDailyResponse**</a:Action>

<o:Security s:mustUnderstand=**"1"** xmlns:o=**"http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd"**>

<u:Timestamp u:Id=**"\_0"**>

<u:Created>**2018-07-09T16:31:53.166Z**</u:Created>

<u:Expires>**2018-07-09T16:36:53.166Z**</u:Expires>

</u:Timestamp>

</o:Security>

</s:Header>

<s:Body xmlns:xsi=**"http://www.w3.org/2001/XMLSchema-instance"** xmlns:xsd=**"http://www.w3.org/2001/XMLSchema"**>

<GetMeasurementDailyResponse xmlns=**"http://domain.service.fgsz.hu"**>

<GetMeasurementDailyResult>

<success>**false**</success>

<generalErrorText>**[SS0002] A rendszerhasználó code (HUIE) nem található az adatbázisban.**</generalErrorText>

<generalErrorCode\_x0020\_>**SS0002**</generalErrorCode\_x0020\_>

</GetMeasurementDailyResult>

</GetMeasurementDailyResponse>

</s:Body>

</s:Envelope>