

BRO_GLD_Addition_Server

Introduction

BRO_GLD_Addition_Server is a server export using the XML export format of the Basis Registratie Ondergrond standard: <https://schema.broservices.nl/xsd/isgld/1.0/isgld-messages.xsd>. It is similar to the [BRO_GLD_Addition](#) export, that writes GLD_Addition documents to the filesystem.

The export can be used to automatically upload GLD_Addition documents at: <https://basisregistratieondergrond.nl/werken-bro/producten-diensten/bronhouderportaal/>

Getting BRO GLD IDs

To get the BRO GLD IDs, you need to start the registration in the BRO for a groundwater filter. To achieve this you need to upload a BRO GLD Start Registration xml file to the bronhouder portal. The bronhouder portal will give you (if the BRO GLD Start Registration xml is valid) back to GLD ID.

To make the BRO GLD Start Registration xml files, the attached tool can be used. Note: the tool itself doesn't fall under support of Deltares and it is the responsibility of the configurator to use it correctly!

[maak_gld_start_registraties.zip](#)

BRO_GLD_Addition_Server Export Configuration

The configuration of the BRO_GLD_Addition_Server export module is shown in the following example.

The following are the required properties that have to be configured:

- **projectId**: a project Id (projectnummer) provided by BRO which can be found by logging in on bronhouderportaal-bro.nl
- **chamberOfCommerceNumber**: will be used to set the value of the brocom:chamberOfCommerceNumber element.
- **qualityRegime**: will be used to set the brocom:qualityRegime value. Can be either IMBRO or IMBRO/A

Optional properties that can be configured:

- **unitOfMeasurement**: optional property to set the unit of measurement. Default value is 'm'.
- **skipBroValidation**: skip the initial validation step (document processing always includes the second validation step).
- **splitFiles**: default true. If set to true, timeseries that have 10000 or more time steps, will be split in files with 9999 timesteps. The BRO Portal currently doesn't support more than 9999 time steps.
- **statusQualityControl**: default "" goedgekeurd" allowed values are:
"afgekeurd", "goedgekeurd", "nogNietBeoordeeld", "onbeslist", "onbekend"
- **observationType**: default "reguliereMeting" allowed values are:
"reguliereMeting", "controleMeting"
- **statusCode**: default is none allowed values are:
"volledigBeoordeeld", "voorlopig", "onbekend"
- **processReference**: default "NEN_EN_ISO22475v2006_C11v2010" allowed values are:
"NEN5120v1991", "NEN_EN_ISO22475v2006_C11v2010", "NEN_ISO21413v2005", "NPR_ISO.TR23211v2009", "RWSgwmon", "STOWAgwst", "vitensMeetprotocolGrondwater", "waternetMeetprocedure", "onbekend"
- **measurementInstrumentType**: default "druksensor" allowed values are:
"akoestischeSensor", "akoestischHandapparaat", "analoogPeilklokje", "druksensor", "elektronischPeilklokje", "opzetStuk", "radarsensor", "stereoDruksensor", "onbekend", "onbekendPeilklokje"
- **processType**: default "" allowed values are:
"Algorithm", "Manual Method", "Sensor", "Simulation", "Unknown"
- **evaluationProcedure**: default "oordeelDeskundige" allowed values are:
"brabantWater2013", "eijkelkampDataValidatiev0.0.9", "oordeelDeskundige", "PMBProtocolDatakwaliteitscontroleQC2018v2.0", "RWSAATGrondwaterv1.0", "validatieprocedureEvidesWaterbedrijf", "vitensBeoordelingsprotocolGrondwater", "waternetBeoordelingsprocedure", "warecoWaterDataValidatieProtocolv20200219", "onbekend"
- **airPressureCompensationType**: default is none, allowed values are:
"capillair", "gecorrigeerdLokaleMeting", "KNMImeting", "monitoringnetmeting", "putlocatiemeting", "onbekend"

Setting a property to an empty value "" will have the same result as omitting the property from the XML configuration.

The "onbekend" value that is listed for some properties can only be used in combination with qualityRegime IMBRO/A, which can be selected during registration of a GLD and cannot be changed afterwards.

For each exported XML file a BRO ID is required. This can either be the same as the internal locationId or (preferably) should be configured as a location attribute. In the latter case idmapping is required. The location attribute that holds the BRO ID should be mapped, using a location id function. For example:

idExportBro.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<idMap xmlns="http://www.wldelft.nl/fews" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:
schemaLocation="http://www.wldelft.nl/fews http://fews.wldelft.nl/schemas/version1.0/idMap.xsd" version="1.1">
  <locationIdFunction internalLocationSet="Peilbuizen_BRO" externalLocationFunction="@BRO_GLD_ID@" />
  <enableOneToOneMapping/>
</idMap>
```

The BRO GLD doesn't have multiple parameters (in the FEWS sense) only the heads in reference to NAP (for details see [Basisregistratie Ondergrond Catalogus Grondwaterstandonderzoek \(geostandaarden.nl\)](#)), so the external BRO parameter will always be mapped to the specified internal parameterId. This also means that the timeSeriesSets should only hold 1 parameterId.

The BRO_GLD_Addition_Server can be configured as follows.

```
<timeSeriesExportRun xmlns="http://www.wldelft.nl/fews" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.wldelft.nl/fews http://fews.wldelft.nl/schemas/version1.0/timeSeriesExportRun.
xsd">
  <export>
    <general>
      <exportType>BRO_GLD_Addition_Server</exportType>
      <serverUrl>https://www.bronhouderportaal-bro.nl</serverUrl>
      <connectionTimeoutMillis>300000</connectionTimeoutMillis>
      <user>${BRO_USER$}</user>
      <password>${BRO_TOKEN$}</password>
      <idMapId>IdExportBRO</idMapId>
    </general>
    <properties>
      <string key="chamberOfCommerceNumber" value="${KVK_NUMMER$}" />
      <string key="projectId" value="${BRO_PROJECTID$}" />
      <string key="qualityRegime" value="IMBRO/A" />
      <bool key="skipBroValidation" value="true" />
      <bool key="splitFiles" value="true" />
    </properties>
    <timeSeriesSet>
      <moduleInstanceId>Productie</moduleInstanceId>
      <valueType>scalar</valueType>
      <parameterId>STIJGHT</parameterId>
      <locationSetId>Export_BRO</locationSetId>
      <timeSeriesType>external historical</timeSeriesType>
      <timeStep unit="nonequidistant" />
      <relativeViewPeriod unit="day" start="-10" end="0" startOverrutable="true"
endOverrutable="false" />
      <readWriteMode>read only</readWriteMode>
    </timeSeriesSet>
  </export>
</timeSeriesExportRun>
```

Acquire a BRO Authentication token

Since 01/03/2024, version 2 of the BRO REST API is available. Acquiring a authentication token has slightly changed and is explained below.

To get a BRO authentication token, follow the following steps (an explanation on what the role of tokens is and how to create them is also provided on [BRO Wiki](#))

1. Login to the BRO portal (Demo or Production environment) with your personal (organizational) credentials;
2. Navigate to the top menu item "Organization" (NL: Mijn organisatie);
3. Navigate to the tab "Options" (NL: Opties);
4. Select "Authentication Token";
5. Create a token here;
6. The token is shown only once;

Nieuw token



123abc4def5g67891011h1213i151617klmnop18192021qr2223stuv2425xyz

Kopieer token

Bijbehorende token username: ab123c456789|0000000|4321

Let op:

- Dit token is een wachtwoord en dient vertrouwelijk behandeld te worden.
- Dit token is eenmalig gegenereerd en is hierna nooit meer zichtbaar!

Sluiten

Demo-omgeving

Rijksoverheid

username organisation Uitloggen

Bronhouderportaal BRO
Portaal voor de Basisregistratie Ondergrond

Aanleveren Bekijken **Mijn organisatie**

Gebruikers Archief Rapporten **Opties**

Authenticatie token

Aangemaakt op	Token username	Verloopt op	
2024-02-13 16:21:12	ab123c456789 0000000 4321	2025-02-13	Reset Verwijder

Nieuw token nodig? Verwijder bovenstaand token eerst.

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 Over de BRO

Bronhouderportaal
 Print deze pagina
 API-documentatie
 Releasenotes versie 'v3.154.9'

In the configuration example above you should:

- fill in the "token username" (from the light blue bar above) in the <user> element
- fill in the "token" (from the black bar above) in the <password> element

You can reset (or remove and create) your token here. Be aware that you have to change the configuration files which contain the BRO token!!!