OSCAR/Surface Web Client Tool

Overview v1.0 (25/03/2021)

WMO OMM
World Meteorological Organization
Organisation météorologique mondiale
OSCAR/Surface Web Client Tool

Introduction

- What is the Web Client Tool?
- How does it work?
- How to use it.
- What it can do and what not.
- Best Practice.
  - Create a new station
  - Change identifier of an existing station
  - Change schedule of an existing station
  - Add affiliation
The OSCAR/Surface Web Client Tool (https://oscar.tools.wmo.int/web-client) is an external application that allows for batch operations. This means that operations in OSCAR/Surface can be applied to several stations at a time instead of manually entering the information per station. The tool performs changes to the XML file of stations and uploads them again through a queuing system.
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- The application loads XML files from OSCAR/Surface, performs changes and uploads them again.
- Stations are identified by their WIGOS ID.
- Queuing system to process large batches without timeout.
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- The Web Client uses the official API
- Need an API token to access it
- Get your token from OSCAR/Surface (DEPL or PROD). Need to be NFP or metadata editor
- Supply the token to Web Client
- Remember the DEPL token gets overwritten with the PROD one every week
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What it can do and what not

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What it can do
• Create new stations.
• Add WIGOS ID to station and/or change primary WIGOS ID.
• Change schedules.
• Affiliate a station with one or more WMO programmes/networks.
• Optionally affiliate with existing variables.

What it cannot do
• Cannot be used to edit stations, only to submit.
• Cannot remove WIGOS IDs (not supported by OSCAR/Surface).
• Cannot be used to add new schedules.
• Cannot be used to affiliate with new variables, only existing ones.
**OSCAR/Surface Web Client Tool**

Create a new station

**Select a function**

- **Switch between Production and Development OSCAR servers**
- **Helper functions to generate code values for variables, schedules and affiliations**
- **Input token from OSCAR/Surface “machine access”**

This opens the Logfile to find more detailed information on any errors.

Put information here, one per row

- **csv template for preparation in Excel or any other spreadsheet software. Please make sure to check data formats when copy/pasting information between the client and other software (e.g. creation date). The needed data format can be identified by filling out one field in the client.**

Send information to OSCAR/Surface (need to input token id to work)
### OSCAR/Surface Web Client Tool

**Change identifier of an existing station**

**Some functions have a “load” feature.**

- **Input (only) WIGOS ID into “any WIGOS ID” column.**

- **Helper function to load station information from OSCAR/Surface.**

- **The status column shows the status of each operation in the queue and can have several states (“started”, “queued”, “invalid XML” or “finished”). See the Logfile for more detailed information on errors.**

- **Modify information as needed, then send back to OSCAR/Surface.**

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<table>
<thead>
<tr>
<th>Any WIGOS Station Identifier</th>
<th>Primary WSI</th>
<th>WSI 2</th>
<th>WSI 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-79-0-10000000003592</td>
<td>0-79-0-10000000003592</td>
<td>0-79-0-10000000003592</td>
<td>0-79-0-10000000003592</td>
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</tr>
</tbody>
</table>

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Change schedule of an existing station

- Can only work with existing variables/schedules, adding does not work.
- In “change schedules” only these fields can be modified. The approach is “load” first, modify and “submit” again.
- This function can be used to generate a schedule and then copy it to the schedule representation field.
- Helper function to load station information from OSCAR/Surface.
### OSCAR/Surface Web Client Tool

#### Add affiliation

<table>
<thead>
<tr>
<th>WSOS Station Identifier</th>
<th>Affiliation</th>
<th>List of variables</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-75-0-150012900000000052</td>
<td>STOW</td>
<td>L2,3</td>
<td></td>
</tr>
</tbody>
</table>

- **Add a new affiliation to link the specified variables with**
- **Leave this field empty to affiliate all variables of the station**
- **Helper functions to generate the code values for variables and affiliations**