

# Actions

## Generally about Actions

In order to add certain 'Actions' to items, several ways are available:

- in case the item is located on one of the large or medium-sized german research vessels (Polarstern, Sonne, Meteor, Maria S. Merian, Alkor, Heincke, and Poseidon) you could use the autocompletion functionality (strongly recommended). Simply type the first three characters of the station label as listed in PANGAEA's expedition catalogue ([pangaea.de/expeditions/](https://pangaea.de/expeditions/)) to comfortably get the metadata fields under 'Action' filled out for you and this way avoiding possible typos,
- if the autocomplete feature does not apply to your items you could use [registry.awi.de](https://registry.awi.de) user interface to insert the mandatory information, or
- you could use the Rest-API (<https://registry.awi.de/api>) to insert the information by any programming language that is capable to send [HTTP requests](#).

The actions

- calibration
- commissioned
- deployment
- mount

automatically create a new version of the item (including a handle, such as this one: [hdl.handle.net/10013/sensor.1b1ff06f-dc5c-4246-8844-f4bb305c9512](https://hdl.handle.net/10013/sensor.1b1ff06f-dc5c-4246-8844-f4bb305c9512)) to have

- a reference for a specific setup, see 'History and Citing' at [spaces.awi.de/x/zYa0FQ](https://spaces.awi.de/x/zYa0FQ)
- a stable representation in the [Data Web Service](#) (DWS, [spaces.awi.de/x/aZgTF](https://spaces.awi.de/x/aZgTF)), because reassigning an item without a version of the former state makes its metadata volatile in DWS.

Since creating a new version can be omitted when reassigning an item, there is still the chance to do so (just for the case you recognized it was mistakenly without version) by manually create the mounting event and hence triggering the creation of a version.

'Actions' additionally give you as a user a chance to become more visible in [DWS](#). Properly added missions make this data stream pop up there in the facet 'Mission'. Furthermore entries of the types 'Mission' and 'Deployment' are searchable in [DWS](#).

### Configuration

Configure filters and output format to build a data download request.

Action	Optional. Type expedition, mission, action, event, station name
--------	---

Field in [DWS](#) to filter for Action Labels from [registry.awi.de](https://registry.awi.de)

If the above mentioned facts were not convincing you to manage your metadata, the standardized entries from [registry.awi.de/api](https://registry.awi.de/api) can be forwarded to other places with ease, e.g. applications that make use of the API, such as Jupyter/R notebooks, knitr, webpages, portals or something alike.

## Creating Actions

Add an action

Overview
Resources
Relations
Subdevices

An individual version of this record will be created whenever you chose an action of type **calibration**, **comissioned**, **deployment** and **mount**. These are displayed under „Show History“.

You also can attach this action to any subdevice by selecting them under "Subdevices".

Label:

Please enter the official expedition number or station.

Type:

Calibration

?

Please contact [o2a-support@awi.de](mailto:o2a-support@awi.de) for adding new options in this menu.

From:

Until:

Description:

Latitude:

e.g. 79.04433°, 79° 2' 40" N or 79° 2.6598' N

Longitude:

e.g. 4.53083°, 4° 31' 51" W or 4° 31.8497' W

Elevation:

Save

Cancel

Adding new Actions in [registry.awi.de](https://registry.awi.de)

When adding new events some fields are mandatory and some are not. Nonetheless it is strongly recommended to fill in every field, since several services, such as `autoQC` ([spaces.awi.de/x/22WjEw](https://spaces.awi.de/x/22WjEw)) make use of it. Furthermore, especially the spatial information can be used in map applications.

Name	Description	Mandatory/Optional
Label	reasonable, coherent, and unique name of the event	Mandatory
Event Type	see table below	Mandatory
From	point in time when the event started	Mandatory
To	point in time when the event ended	Mandatory
Description	detailed description of the event, its circumstances, background, etc.	Optional
Latitude	aka N or S	Optional
Longitude	aka E or W	Optional
Elevation	applies to depth too, below water surfaces rather negative integers, else positive integers	Optional

systemName	id	description	uuid
Calibration	15	The item was recalibrated, the respective Calibration certificates and/or associated documents should be supplied via the Resources tab in the upper navigation banner.	c922c7f9-a2d8-464c-8f30-3ae60a30394a
Commissioned	215	This Event Type applies to large-scale platforms, such as land-based stations, research vessels, and aircrafts. It describes the beginning of the operational use of this device.	3a791fbc-f2c8-4277-91e7-2c68e8c7dc55
Configuration	317	Describes a change in an items configuration (something new has been mounted, the item has been recalibrated ...)	9fc7575c-6125-4dc6-89a7-eee2eb25755b
Decommissioned	216	This Event Type applies to large-scale platforms, such as land-based stations, research vessels, and aircrafts. It describes the end of the operational use of this device.	94ae38e6-8fda-4c07-b40c-01833982812f

Deployment	187	A device is deployed, means it is in operational use. Deployment applies to small-scale vehicles and ship-operated devices, such as CTD rosettes, buoys, etc..	047a4f46-020b-4187-808a-6f245caebbc3
Information	50	Describes issues associated with this item relevant for its operation. Includes failure and maintenance information.	d865bf37-04c3-44f5-a474-0458dc68f915
Maintenance	16	The Event Type Maintenance describes functional checks, servicing, repairing or replacing of parts. The device might still be operational, but the device's measurements might be affected by means of maintenance.	d1a2a98a-8ad1-44a5-902f-9ce1513262cf
Mission	182	A Mission refers to the device's operation within a defined range of time and purpose.	78318577-0e23-4dfe-ad2b-bfe6cb23b9a7
Mount	25	The device installed/attached to a parental device. The Event Type Mount mostly applies to ship- and airborne sensors.	13c8e2d6-a0ff-4612-bc7c-3d6540f52655
Partial_failure	200	The Event Type Partial Failure should be set if the device's functionality somehow is restricted or limited.	f663f3a3-78bc-4c47-a9eb-f146571907e8
Processing	470	Used in laboratory context, when samples run down a processing chain.	e45c70dc-5b6d-4ab9-a3eb-9d2c1597dad2
Recovery	188	When a device is retrieved from water or ice the Event Type Recovery should be set. Then it is no longer operational. This usually applies to buoys or moorings.	6fac6351-0c4a-48c1-87e4-a5e721f9c1ae
Total_failure	201	The Event Type Total Failure denominates the total loss of functionality of the respective device. Any re-use is foreclosed.	a6f292be-e5f6-4f4f-b34a-8e335675ed92
Unmount	26	The device is extracted from a parental device. The Event Type Unmount mostly applies to ship- and airborne sensors.	6f705b42-bc1f-4f47-89c8-7d89efabfdd5