

# SOCIB Instrumentation Application

## Naming Convention

*SOCIB-Data Center Facility*

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1.0.0	2017-02-21	First version document	C. Munoz	M. Torner
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1.0.2	2018-11-11	Added CARTHE drifter	JG. Fernandez	
1.0.3	2018-11-12	Normalization	C. Muñoz	JG. Fernandez
1.0.4	2019-07-01	Test mission type for deployments convention. New URL metadata.	JG. Fernández	JG. Fernández
2.0.0	2020-11-04	Added new conventions	P. Rotllán	JG. Fernández

		regarding Cruises (naming and description)		

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## 1. INTRODUCTION:

The aim of this document is to describe a standardized nomenclature using a common naming convention.

## 2. RELATED DOCUMENTS

- [PUM-DCF\\_instrumentation-database-processing-configuration](#)

## 3. PROCEDURE DEVELOPMENT

### 3.1. Cruises

Cruises will be created solely if the SOCIB R/V (or another catalogued research vessel) is involved in the operation/campaign.

*Note: At database level, a ‘proof’ of SOCIB R/V involvement is for it to contribute at least with one deployment (gps, ctd, thermosalinometer, weather station, adcp...).*

#### 3.1.1. Cruise Naming

##### 3.1.1.1. Convention

Pattern	INSTITUTION_ <u>NAME</u> _YYYYMMDD
Examples	SOCIB_ENLCanales_20160201, SOCIB-IMEDEA_ENL-Canales_20201001, SOCIB-UIB_Morocco-Alger_20221001

### 3.1.1.2. Rules

- A cruise INSTITUTION will always contain at least SOCIB if operations are carried out with the involvement of SOCIB RV, as by definition (see above) its contribution is granted. Additional institutions are welcome. A dash ('-') will be used as INSTITUTION separator if needed.
- The underscore ('\_') is the character to be used as a separator of the different naming elements. The use of underscores ('\_') is therefore not allowed within an element. Use a dash ('-') instead if needed (see example 2).
- All elements are mandatory.

### 3.1.1.3. Details

Element	Mandatory	Position	Description
INSTITUTION	True	0	<p>Use appropriate vocab within management/instrumentation database.</p> <p>If more than one, a dash('-) will be used as an internal separator.</p> <p>Fully uppercase.</p> <p><b>It shall contain at least 'SOCIB'.</b></p> <p>It shall not contain underscores ('_').</p>
NAME	True	1	<p>Cruise name in fully uppercase or CamelCase.</p> <p>Name shall reflect the frame or/and line or/and motivation. It is not allowed to use private names.</p> <p>It shall not contain underscores ('_').</p>
DATE	True	2	<p>Cruise starting date timestamp formatted as YYYYMMDD.</p> <p>It shall not contain underscores ('_').</p>

### 3.1.2. Cruise Description

#### 3.1.2.1. Convention

Pattern	DESCRIPTION . [[FRAME-LINE-MOTIVATION-ACCESS]]
<b>Example</b>	<p>As part of Subtask 3.3.4 of EU-FP7-PERSEUS a multi-platform synoptic experiment (ALBOREX) in the eastern Alboran Sea will be conducted. The final goal is to monitor and establish the vertical exchanges associated with mesoscale and sub-mesoscale (e.g fronts, meanders, eddies and filaments) and their contribution to upper-ocean interior exchanges.</p> <p>[[EPR-TRL-SCI-PUB]]</p>

#### 3.1.2.2. Rules

- The **DESCRIPTION** shall cite at least the frame, line and motivation of the campaign.
- The **TYPECODE** shall follow, within two brackets, the **DESCRIPTION**.

*Note:* the **TYPECODE** has been part of the cruise name traditionally but as it subject of continuous improvement, it has been better reallocated as part of the cruise description. This way the name of the cruise, with internal (reports) and external (Cruise Summary Reports) dependencies, remains unchanged as much as possible.

- The **TYPECODE** field results from the combination, separated by a dash ('-'), of the cruise frame, line, motivation and access.
- In case of more than one *motivation*, the most relevant one will prevail:  
SCI > ENG > TST

### 3.1.2.3. Details

Element	Mandatory	Position	Description	
			Code	Meaning
FRAME	True	0	SCB ( <i>default</i> )	SOCIB Project.
			EPR	External project.
			TNA	Use 'TNA' instead of EPR if part of the H2020 framework program Trans-National-Access
LINE	True	1	TRL ( <i>default</i> )	Temporary Line or randomly monitored transects/area/points.
			ENL	Endurance Line or continuously monitored transects/area/points.
MOTIVATION	True	2	SCI ( <i>default</i> )	Scientific operations (operations that are not TST nor ENG).
			ENG	Engineering operations (maintenance, calibration, installations...)
			TST	Proof of concepts operations. Deprecated: 'TEST','TEST2','Test','TESTS','EXP'?
ACCESS	True	3	PUB ( <i>default</i> )	Public. Use it if no sensible information is present.
			INT	Internal. Use it if it involves sensible information (trespassing national waters, exposing endangered species/ecosystems, quarantine etc).

## 3.2. Deployments

### 3.2.1. Deployment Naming Convention

[INSTITUTION]_[MISSION-TYPE-CODE]_[MISSION-NAME]_MMMYYYY_[INSTRUMENT-NAME]_[KEYWORD]
--

Example: SOCIB_ENL_CANALES_JAN2017_SDEEP01_GFMR0053
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#### 3.2.1.1. Keyword field

This is a not mandatory field. Use only when the deployment need supplementary information.

#### 3.2.1.2. Mission Type Code Description

The available mission type codes are:

- ENL, Endurance Line: Used for long term deployments
- ENG, Engineering: Used for testing purposes.
- EPR, External Projects: Used for external projects.
- TNA, Trans-National-Access: Particularization of EPR applicable only to Glider deployments in the frame of European project JERICO-NEXT (TNA program)
- TST, deployment for testing purposes. Use **keyword** field if necessary. Use the appropriate **mission name** field.

## 3.3. Equipment

### 3.3.1. Platforms

#### 3.3.1.1. Lagrangian Platforms

##### 3.3.1.1.1. Argo Profilers

Argo_Drifter_[internalUnitNumber]
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Example: Argo_Drifter_APEX001
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### 3.3.1.1.2. Other Profilers

**Profiler\_Drifter\_[internalUnitNumber]**

Example: Profiler\_Drifter\_ARVORA3001

### 3.3.1.1.3. Surface Drifters SVP

**Drifter\_[internalUnitNumber]**

Example: Drifter\_SVP068

### 3.3.1.1.4. CARTHE Surface Drifters

**Drifter\_CARTHE[internalUnitNumber]**

Example: Drifter\_CARTHE068

### 3.3.1.2. Oceanographic Buoys

**Buoy\_[LocationName]**

Example: Buoy\_BahiaDePalma

### 3.3.1.3. Research Vessels

**[ResearchVesselName]\_RV**

Example: SOCIB\_RV

### 3.3.1.4. Fixed Stations

**Station\_[stationLoation]**

Example: Station\_ColoniaSantPere

### 3.3.1.5. Animals

#### 3.3.1.5.1. Sea-Turtles

**Turtle\_[turtleName]**

Example: Turtle\_Llonguet

### 3.3.1.6. Glider

#### 3.3.1.6.1. SOCIB Glider

**s\_[depthCapability]\_[internalUnitNumber]**

Example: sdeep02

#### 3.3.1.6.2. IMEDEA Glider

**i\_[depthCapability]\_[internalUnitNumber]**

Example: icoast00

#### 3.3.1.6.3. External Glider

**[gliderName]**

Example: teresa

### 3.3.1.7. Beach Monitoring

**Mobims\_[stationName]**

Example: Mobims\_PlayaDePalma

### 3.3.1.8. HF Radar

**hf\_radar\_[stationName]**

Example: hf\_radar\_ibiza

## 3.3.2. Instruments

**[institutionCode]-[instrumentType][internalUnitNumber]**

Example: SCB-MET008

## 3.3.3. Sensors

**[variable]-[instrumentName]**

Example: COND-SBE37007

## ANNEX 1: Institution codes

Stakeholder	Description
<b>SCB</b>	SOCIB
<b>IME</b>	IMEDEA
<b>IEO</b>	IEO
<b>PIB</b>	Ports de les Illes Balears
<b>PDE</b>	Puertos del Estado
<b>UTM</b>	Unidad de Tecnología Marina
<b>UIB</b>	Universitat de les Illes Balears
<b>CNR</b>	cnr-ismar
<b>ALK</b>	Alnitak
<b>CHE</b>	Confederación Hidrográfica del Ebro - Centro Proceso de Cuenca SAIHEBRO

<b>CON</b>	Conselleria de Innovación, Investigación y Turismo - Servicio de Investigación y Desarrollo
<b>MIO</b>	MIO (Mediterranean Institute of Oceanography)
<b>MTF</b>	PdE (Puertos del Estado) - Redes de Medida
<b>NAT</b>	NATO (OTAN)
<b>OGS</b>	OGS
<b>SCP</b>	The Scripps Research Institute - Instrument Development Group at Scripps Institution of Oceanography
<b>SID</b>	SIDMAR
<b>SMT</b>	(Third-party weather station)