

e-DFAD Quick Start series:

Consulting the Register for CPCs

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What is this guide about?

This quick start guide will give you a short overview of how to consult information submitted to e-DFAD by your own Buoy Owners and by Buoy Owners of other CPCs.

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Main features of e-DFAD

As per IOTC Resolution 24/02, the aim of the e-DFAD Register is to:

- Allow Buoy Owners (BO) to register DFADs and obtain an IOTC Unique DFAD Identifier (UDI)
- Allow Buoy Owners to declare activation and deactivation of their Instrumented Buoys ("operations") on DFADs or Logs.
- Allow CPCs to consult, review and validate information submitted by their Buoy Owners.
- Allow CPCs to consult information submitted by Buoy Owners of other CPCs, subject to specific confidentiality requirements.

Registration of DFADs

- Allows a Buoy Owner to obtain a UDI at any point in time before deployment
- DFAD numbering scheme adopted is IOTC-[3 letters]-[3 digits]. Example: IOTC-ABC-123

Note: Logs are not registered so do not get a UDI.

Registration can be done interactively (one by one, using a form-based interface) or in bulk (using Excel templates.)

Registrations can be done way in advance of deployment, allowing BOs to reserve a range of UDIs for later marking on deployed DFADs.

Declaration of Operations

The following operations/activities can be reported by Buoy Owners:

- Activation
- Deactivation (retrieval, loss, abandonment)
- Transfer
- Replacement

Reporting can be done interactively or in bulk.

Consultation of information

- Flag State CPCs can consult the entirety of the activities reported by their Buoy Owners/vessels.
- All CPCs can consult redacted information about the activities of other CPCs' vessels (cf para 5 of 24/02).
- Coastal State CPCs are notified by email of buoy deactivation in their EEZ (as the Flag State of the vessel which reported the deactivation, you will also be notified.)

User management

For simplicity reasons, during the Pilot Phase of e-DFAD, CPCs will not be able to manage their own user accounts (e.g. create new CPC users, new Buoy Owners etc).

This will only become available at a later date.

So during the Pilot, the only features available to CPCs are those related to consulting information.

Connecting to the e-DFAD

STEP 1: Open the e-DFAD URL in your web browser: <https://dfad.iotc.org>

STEP 2: Sign-in with your CPC user account

Consulting FOB records

The Search page of e-DFAD for CPCs is composed of three tabs:

- **My Operations:** this is where Registered DFADs and Logs managed by my Buoy Owners are displayed during the course of their life at sea.

28 < 1 > MY OPERATIONS TRANSFERS ALL OPERATIONS

	Last Activity	# DFAD ID	FOB Status	# Buoy Id	Buoy Status	# Vessel ID	Buoy Owner	Biodegrad.	Buoy Manufacturer
02/12/25	# IOTC-AAA-002	LOST	FRA-060	LOST	IOTC000373	Alice Tao	Category I	MARINE INSTRUMENT	
02/12/25	# IOTC-AAA-028	DEPLOYED	FRA-999	ACTIVE	IOTC013979	Alice Tao	Category I	SATLINK	
01/12/25	# IOTC-AAA-025	DEPLOYED	FRA-204	ACTIVE	IOTC016428	Alice Tao	Category I	MARINE INSTRUMENT	
01/12/25	# IOTC-AAA-022	DEPLOYED	FRA-201	ACTIVE	IOTC000373	Alice Tao	Category I	SATLINK	
01/12/25	# IOTC-AAA-024	DEPLOYED	FRA-203	ACTIVE	IOTC000373	Alice Tao	Category I	MARINE INSTRUMENT	
01/12/25	# IOTC-AAA-027	DEPLOYED	FRA-206	ACTIVE	IOTC016513	Alice Tao	Category III	MARINE INSTRUMENT	
30/11/25	# IOTC-AAA-017	DEPLOYED	FRA-200	ACTIVE	IOTC009828	Alice Tao	Category I	MARINE INSTRUMENT	

- **Transfers:** this is where FOBs that were transferred from my BOs by other BOs will appear:

1 < 1 > MY OPERATIONS TRANSFERS ALL OPERATIONS

	Last Activity	# DFAD ID	FOB Status	# Buoy Id	Buoy Status	# Vessel ID	Buoy Owner	Biodegrad.	Buoy Manufacturer
02/12/25	# IOTC-AAA-023	TRANSFERRED	FRA-202	ACTIVE	IOTC009828	Alice Tao	Category II	SATLINK	

- **All Operations:** this is where all operations from all CPCs appear in a single list. Note that some information for FOBs from other CPCs is redacted as per CMM24/02.

29 < 1 > MY OPERATIONS TRANSFERS ALL OPERATIONS

	Last Activity	# DFAD ID	FOB Status	# Buoy Id	Buoy Status	# Vessel ID	Buoy Owner	Flag State	Biodegrad.
02/12/25	# IOTC-AAA-023	DEPLOYED	SYC-008	ACTIVE	REDACTED	REDACTED	REDACTED	REDACTED	Category II
02/12/25	# IOTC-AAA-002	LOST	FRA-060	LOST	IOTC000373	Alice Tao	France (EU)	Category I	
02/12/25	# IOTC-AAA-028	DEPLOYED	FRA-999	ACTIVE	IOTC013979	Alice Tao	France (EU)	Category I	

Searching for records

You can use the filter panel above the search results to filter records:

BUOY FOB VESSEL

VESSEL ID VESSEL NAME

BUOY STATUS	DFAD ID	Buoy ID
<input type="button" value=""/>		

- By default it shows fields for Buoy status, DFAD ID and Buoy ID.
- You can add other fields by clicking on one of the query tabs above related to Buoy, FOB or Vessel, then clicking on one of the available fields.

Add Biodegradability Category

BUOY	FOB	VESSEL
DFAD ID	BIODEGRADABILITY CATEGORY	FOB STATUS
BIODEGRADABILITY CATEGORY	FOB	FOB TYPE
FOB	VESSEL	
BUOY	FOB	VESSEL
BUOY STATUS	BUOY ID	BIODEGRADABILITY CATEGORY
DFAD ID	BUOY ID	Category I
BIODEGRADABILITY CATEGORY	BUOY ID	Category II

- You can build complex queries by selecting multiple values in drop-downs, or entering several values in text fields (type a value, press enter, type another value, press enter...)

VESSEL ID VESSEL NAME

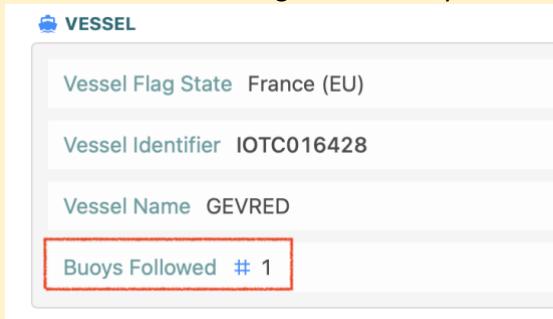
BUOY STATUS	Active	BIODEGRADABILITY CATEGORY	Category I	Category II	VESSEL NAME	Cap
<input type="button" value=""/>						

- Once you are done with your query, click the Play button to run it. If you want to reset the query panel to default, click the trashcan icon.

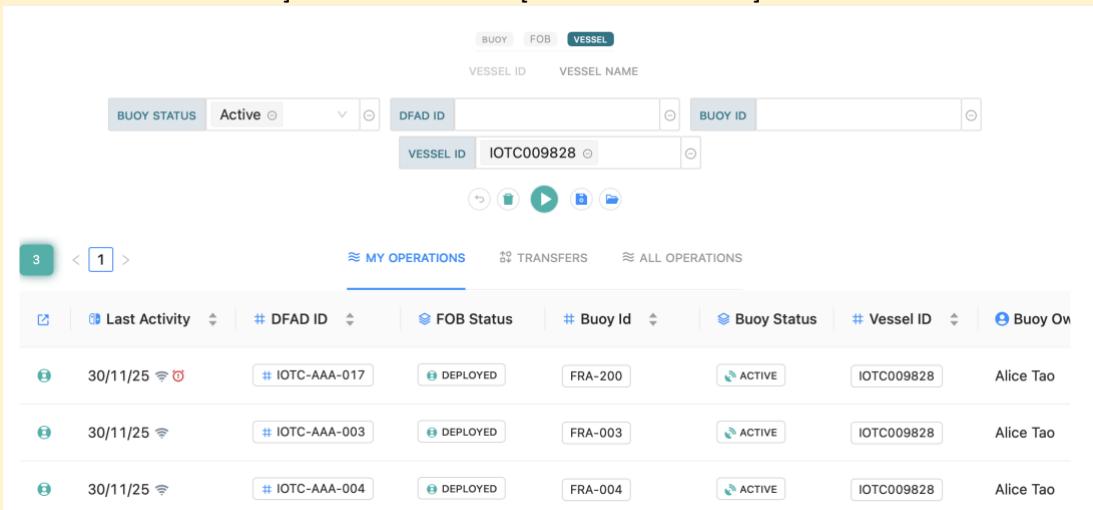
Finding how many active buoys are currently tracked by a vessel

Resolution 24/02 implements a limit on the number of active buoys that can be tracked by a given Purse Seiner at any time.

The Register tracks the number of active buoys tracked by each vessel and you can see this by opening an FOB record for that vessel and looking for the “Buoys Followed” field in the Vessel Card



But you can also use the Search feature: build a query for “Buoy Status: Active” and “Vessel ID: [IOTC number of the vessel]” or “Vessel name: [name of the vessel]”:



A screenshot of a search results page. The search query is set to 'BUOY STATUS: Active' and 'Vessel ID: IOTC009828'. The results table shows three rows of data:

Last Activity	DFAD ID	FOB Status	Buoy Id	Buoy Status	Vessel ID	Buoy Owner
30/11/25	# IOTC-AAA-017	DEPLOYED	FRA-200	ACTIVE	IOTC009828	Alice Tao
30/11/25	# IOTC-AAA-003	DEPLOYED	FRA-003	ACTIVE	IOTC009828	Alice Tao
30/11/25	# IOTC-AAA-004	DEPLOYED	FRA-004	ACTIVE	IOTC009828	Alice Tao

The count of results (3 in this example) shows you how many active buoys the vessel IOTC009828 is currently tracking.

Consulting details on a record

To view the details of a Record, click on the icon in the left most column (full view) or double-click anywhere on the row (quick view).

IOTC-AAA-028

Alice Tao

Revision on 02/12/25

FLOATING OBJECT

DFAD Identifier IOTC-AAA-028

FOB Type DFAD

Biodegradability Category Category I

FOB Status DEPLOYED

BUOY

Buoy Owner Alice Tao

Buoy Identifier FRA-999

Buoy Model IDP solar with echosounder

Buoy Manufacturer SATLINK

Buoy Status ACTIVE

VESSEL

Vessel Flag State France (EU)

Vessel Identifier IOTC013979

Vessel Name DOLOMIEU

Buoys Followed # 4

CHANGES & ACTIVITIES

BUOY ACTIVATION

 02/12/25

Date & Time of Deployment 02/12/2025 00:00

Timeliness On Time Note

Latitude -45.0000

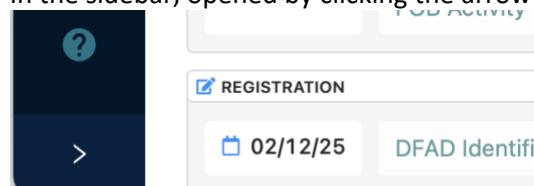
Longitude 45.0000

 Activities

The upper section of the record shows you details about the current situation of the FOB, its buoy and the associated vessel.

Below is a section showing you the Changes and Activities that were reported for the vessel.

In the sidebar, opened by clicking the arrow in the bottom left of the window,



you can see the full history of the record:

Revision History

 02/12/25 ACTIVE

 02/12/25 TRANSFERRED

 01/12/25 ACTIVE

01/12/25 REGISTERED


Clicking on any of the revisions will show you the details of the record at this point in time.

Redacted details

As per the confidentiality clauses in Resolution 24/02, if you consult a record from another CPC, the following fields will be redacted:

- Buoy Owner
- Vessel Flag State
- Vessel IOTC number
- Vessel Name
- Latitude & longitude of activities
- Number of active buoys tracked by the vessel

The screenshot displays two main sections: 'BUOY' and 'VESSEL'. The 'BUOY' section contains the following data:

- Buoy Owner: [redacted]
- Buoy Identifier: SYC-008
- Buoy Model: M4I
- Buoy Manufacturer: MARINE INSTRUMENTS
- Buoy Status: ACTIVE

The 'VESSEL' section contains the following data:

- Vessel Flag State: [redacted]
- Vessel Identifier: [redacted]
- Vessel Name: [redacted]
- Buoys Followed: # <N/A>

Additional features

Here are some of the additional features offered by e-DFAD at this point in time.

Download search results by opening the sidebar and clicking the “Download results” button.

The screenshot shows the main search interface with a sidebar on the left. The sidebar is titled 'Saved Searches' and displays 'No saved searches.' Below the sidebar is a search bar with various filters and a 'Run Query' button. The search filters include:

- BUOY STATUS: Active
- DFAD ID: [redacted]
- BUOY ID: [redacted]
- VESSEL ID: [redacted]
- BUOY MANUFACTURER: [redacted]
- SATLINK: [redacted]

Below the filters are buttons for 'MY OPERATIONS', 'TRANSFERS', and 'ALL OPERATIONS'. At the bottom of the search bar are buttons for 'Last Activity', 'DFAD ID', 'FOB Status', 'Buoy Id', 'Buoy Status', 'Vessel ID', and 'Buoys'.

Recent searches: the sidebar shows you a history of your recent searches (with the number of results) in the current work session (they are cleared if you log out). Click on any previous search to restore the query so you can run it again.

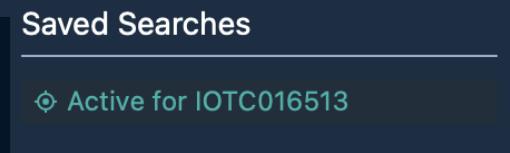
The screenshot shows a 'Search History' section with the following data:

Time	Count
14:37:17	29
14:32:43	8
14:32:17	28

Saved searches: if you use the same search on a regular basis (e.g. all active buoys tracked by a particular vessel) you can run the query and then click the Save button to the right of the Run query button:



You will then be asked to enter a name for the query. Once submitted, the query will appear in the sidebar under Saved Searches:



The Saved Searches are stored with your user profile and are retained across work sessions. Click on any Saved search to restore the query so you can run it again.