



Food and Agriculture  
Organization of the  
United Nations



Indian Ocean Tuna Commission  
Commission des Thons de l'Océan Indien

iotc ctoi



# OBSERVER PROGRAM DEVELOPMENT and OBSERVER LOGISTICAL COORDINATION WORKSHOP



CapMarine  
Capricorn Marine Environmental



Food and Agriculture  
Organization of the  
United Nations



iotc ctoi

Indian Ocean Tuna Commission  
Commission des Thons de l'Océan Indien

# IOTC ROS e-TOOLS : e-Collection Interface Usage

*IOTC ROS OLC TR 8.03*

Category: IOTC ROS data collection and management tools

*[IOTC ROS OLC TR 8]*



CapMarine  
Capricorn Marine Environmental



# E-REPORTING INTERFACE STARTUP

1. Click on the *launch* icon.
2. Provide user specific information
3. Once identified, user is redirected to the main menu page

The screenshot displays the IOTC ROS eCollection interface 2.0.0.beta. The interface is divided into a left sidebar and a main content area. The sidebar, titled 'Main menu', contains the following items: 'Start a new trip' (highlighted in yellow), 'Trip list', 'Settings', 'Help', and 'About'. At the bottom of the sidebar, it shows 'Internet connection : On', 'Map tiles available? : Yes', and 'Logged as : OBSERVER DUMMY'. The main content area, titled 'Main > New trip', contains the following fields: 'Trip label' (a text input field with a red border and placeholder text 'Provide a trip label'), 'Reporting country' (a dropdown menu with 'Seychelles' selected), and 'Gear type' (a dropdown menu with a red border). A 'CONFIRM' button is located at the bottom of the form.





# THE MAIN MENU

IOTC ROS eCollection interface **2.0.0.beta**  

 *(collapsed by default, on the left-hand side of the screen)*

 Welcome to the IOTC ROS eCollection interface

 Use this tool to collect, manage and report scientific observations to your national focal points.

 **Quick access**

  **START A NEW TRIP** Lets users start a new observed trip

 **TRIP LIST** Shows list of recorded observed trips

 **SETTINGS**

 **HELP** Lets users read relevant instructions

 **ABOUT** Shows information on software





# DATA INPUT [How to Start a New Trip]

1. Click on the **Start a new trip** icon;
2. Input basic information about the trip;
3. Once the trip created, user is redirected to Module Selector Page.

The screenshot displays the IOTC ROS eCollection interface, version 2.0.0.beta. The interface is in English and features a dark blue sidebar with a 'Main menu' containing options: 'Start a new trip' (highlighted), 'Trip list', 'Settings', 'Help', and 'About'. The main content area shows the 'New trip' form with the following fields and instructions:

- Trip label:** alphanumeric identifier
- Reporting country:** selected by the system based on Observer's flag country
- Gear type:** either Gillnet, Longline, Pole-and-Line and Purse Seine

A 'CONFIRM' button is visible at the bottom of the form. A note states: 'Once the trip is created user can start filling required modules for the selected trip and gear type'. The bottom status bar shows 'Internet connection : On', 'Map tiles available? : Yes', and 'Logged as : OBSERVER DUMMY'.



# DATA INPUT [How to select Module to fill]

1. Click on the **FORM TO FILL** (e.g. *General vessel and trip info*) and follow form, section, data-field instructions.

IOTC ROS eCollection interface **2.0.0.beta**  

Main > Trip list >  1 [Longline] Welcome, **OBSERVER DUMI**

**Data collection forms:**

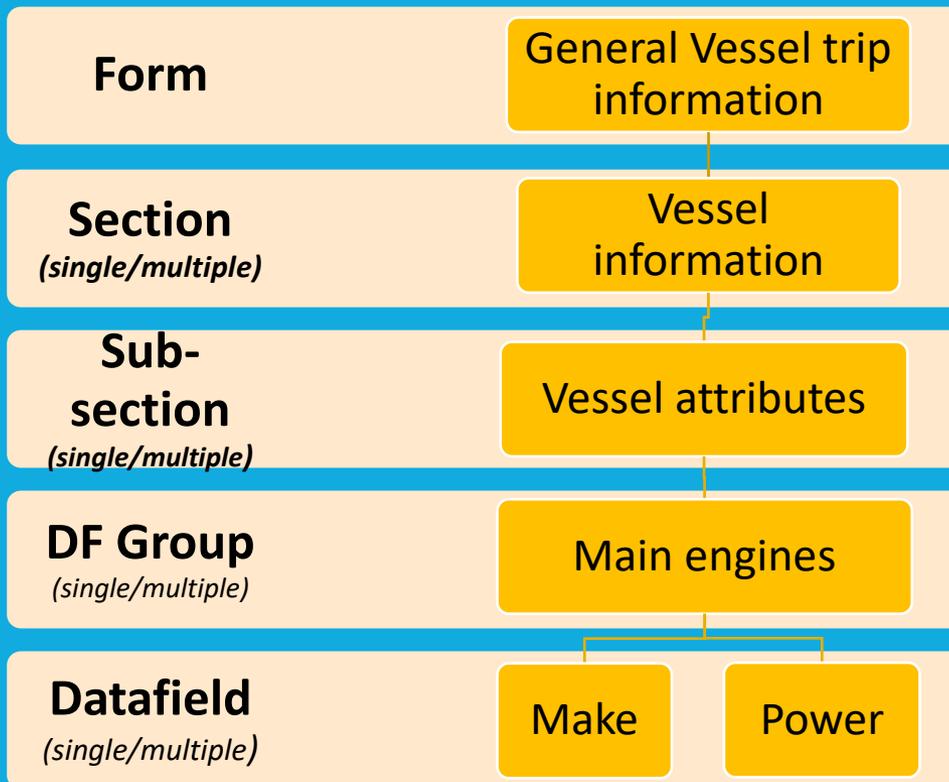
GENERAL VESSEL AND TRIP INFO	GEAR SPECS	FISHING EVENTS	VESSEL TRANSHIPMENTS
↓	↓	↓	↓
<b>FORM 1-LL</b>	<b>FORM 2-LL</b>	<b>FORM 3-LL</b> <b>FORM 4-LL</b> <b>FORM 5-LL</b> <b>FORM 6-LL</b>	<b>FORM 7-LL</b>

**AS PER IOTC  
ROS DATA  
COLLECTION  
FORMS**





# DATA INPUT [on Form Structure]



1. Each Form includes one or more sections, that can include different sub-sections and/or data field groups (DF groups) under which specific datafields are organized.
2. Single fields, groups of fields, sub-sections and sections can be added multiple times to allow for multiple answers to a same question.





# DATA INPUT [Structure and Icons]

IOTC ROS eCollection interface 2.0.0.beta  



Main > Trip list >  1 [Longline] > General vessel and trip info  Breadcrumbs

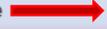
Welcome, OBSERVER DUMMY  [ IOTCDUM001 Europe/Paris ] 

Form: **GENERAL VESSEL AND TRIP INFO** **Vessel information** FISHING EVENTS VESSEL TRANSHIPMENTS  Form selector **SAVE**

Section: OBSERVER INFORMATION **VESSEL INFORMATION** WASTE MANAGEMENT OBSERVED TRIP SUMMARY  Section selector

SELECT A VESSEL

Vessel identification  Data field group

Vessel name  Datafield  

Vessel name

Vessel IMO or Lloyd's number

Vessel IMO or Lloyd's number

Vessel port of registration

Field icons   

CHOOSE A PORT

Vessel phone

Vessel phone 

Licensed target species

Main fishing gear



→ Set the field value to "Unknown"



→ Clicking this icon a pop up will appear showing information about the field.



→ Clicking this icon a pop up will appear showing the validation rules applied to the field.



→ This icon warns about mandatory field .



# DATA INPUT [on Module Structure and Icons]

Regional Observer Scheme e-reporting interface Version 0.8.0

English Français  iotc ctoi

MENU Main > Trip list > Test Trip [Gillnet] > Generic #1 ← Breadcrumbs

Select a section: Generic #1 Generic #5 Generic #6 Gillnet #2 Gillnet #4 ← Module Selector

Vessel information Deployment details Trip information Vessel owner Vessel specific details Electronic equipment Catch info Waste management ← Subsection Selector

NO AVAILABLE VESSELS

Vessel information - details ← Datafield group

⊗ Vessel name ⓘ ← Datafield

⊗ Vessel type ⓘ ⊙ \* ← Field icons

⊗ Main gear ⓘ ⊙ \*

⊗ National registration number ⓘ

⊗ Licensed target species ⓘ  
 +

Vessel information - trip

⊗ Port of departure ⓘ ⊙ \*

⊗ Port of return ⓘ ⊙ \*

- ⊗ → Set the field value to “Unknown”
- ⓘ → Clicking this icon a pop up will appear showing information about the field.
- ⊙ → Clicking this icon a pop up will appear showing the validation rules applied to the field.
- \* → This icon warns about mandatory field .



# DATA INPUT [on Nature of the Information]

- **The nature of the information is reflected graphically via the use of a colour scheme**
  - Blue for the information that must be collected and reported to the IOTC;
  - Green for the information that when collected must be reported to the IOTC
  - Pink for the information that should be collected when feasible but that doesn't have to be reported to the IOTC.
- **Applicable at form, section, sub-section, group of fields and field level**





# DATA INPUT [on Field Type & Data Validation]

Input fields type depends on the nature of the information to be collected.

## Datafield type currently include:

- Simple text box
- Text Area
- Numeric values (either integers or floats)
- Date and Time
- Position (for latitude longitude)
- Multiselection
- Port selectors

## Data validation includes:

- **Per-field validation**

Applied to a single field (e.g. a measure that can't exceed a certain value);

- **Cross-check validation**

When a field has to be validated against another field (e.g. trip end date can't be set to a date preceding trip start date);

- **Mandatory fields**

Applied when a field is explicitly marked as mandatory.





# DATA INPUT [How to create a new fishing event]

1. Click on “Fishing event” Form
2. A page like this will show

The screenshot displays the IOTC ROS eCollection interface. At the top, it shows the version '2.0.0.beta' and flags for the United Kingdom and France. The breadcrumb navigation is 'Main > Trip list > 1 [Longline] > Fishing events'. The user is identified as 'OBSERVER DUMMY' with a session ID of 'IOTCDUM001' and a location of 'Europe/Paris'. The 'Form:' section has four tabs: 'GENERAL VESSEL AND TRIP INFO', 'GEAR SPECS', 'FISHING EVENTS' (which is highlighted in orange), and 'VESSEL TRANSHIPMENTS'. A 'SAVE' button is located to the right of these tabs. Below the tabs, there is a large blue button labeled '+ ADD FISHING EVENT'. A vertical sidebar on the left contains icons for a menu, settings, help, and notifications.

3. Click on **Add a fishing event** button, a new set will be created and assigned a number based on an auto-incrementing counter that starts from #0001.





# DATA INPUT [on Fishing Event Form]

- Reflect ROS Fishing Event Forms #3
- Allows for adding of an unlimited number of events during the same trip
- Divided in sections, dependent on the selected fishing type
- Gear specific (i.e. information requested differs from one gear to another)

Main > Trip list > [Purse seine] > Fishing events

Welcome, OBSERVER DUMMY [ IOTC

Form: GENERAL VESSEL AND TRIP INFO GEAR SPECS **FISHING EVENTS** DAILY ACTIVITIES (SURFACE) VESSEL TRANSHIPMENTS

Section: **SETTING OPERATIONS** CETACEANS AND WHALE SHARK ... SUPPORT VESSELS CURRENTS CATCH DETAILS

Fishing event number: < F: 0003 > + -

Main > Trip list > [Longline] > Fishing events

Welcome, OBSE

Form: GENERAL VESSEL AND TRIP INFO GEAR SPECS **FISHING EVENTS** VESSEL TRANSHIPMENTS

Section: **SETTING OPERATIONS** MITIGATION MEASURES HAULING OPERATIONS CATCH DETAILS

Fishing event number: < F: 0003 > + -





# DATA INPUT [on Fishing Event (cont.)]

Main > Trip list > 1 [Longline] > Fishing events Welcome, OE

Form: GENERAL VESSEL AND TRIP INFO GEAR SPECS **FISHING EVENTS** VESSEL TRANSHIPMENTS

Section: **SETTING OPERATIONS** MITIGATION MEASURES HAULING OPERATIONS CATCH DETAILS

Fishing event number: < F:0003 > + -

1. ‘Fishing Event” pages will show the following buttons:

-  **fishing event number between two arrows that allow to navigate from one event to another**
- **A  button that will allow for the creation of a new set (if the last created is F:0004 the next one will be F:0005)**
- **A  button that will allow for the deleting of sets created**





# DATA INPUT [How to input Catch Details]

1. Click on **Catch Details** to open the section
2. Click on **Add Catch Details** button (*a new occurrence of a species/specimen will be created and assigned a number that starts from #0001*)

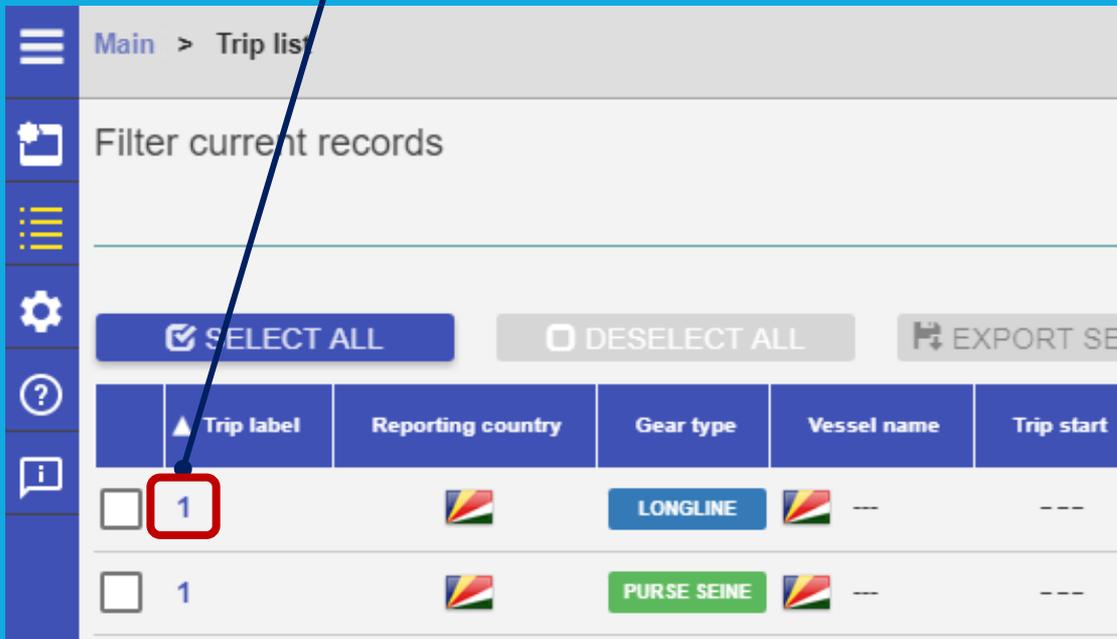
The screenshot shows a web interface for data input. At the top, it says 'Main > Trip list > 1 [Purse seine] > Fishing events'. On the right, it says 'Welcome, OBSERVER DUMMY [ IOTC]'. Below this is a 'Form:' section with buttons for 'GENERAL VESSEL AND TRIP INFO', 'GEAR SPECS', 'FISHING EVENTS' (highlighted in orange), 'DAILY ACTIVITIES (SURFACE)', and 'VESSEL TRANSHIPMENTS'. Below that is a 'Section:' section with buttons for 'SETTING OPERATIONS', 'CETACEANS AND WHALE SHARK ...', 'SUPPORT VESSELS', 'CURRENTS', and 'CATCH DETAILS' (highlighted in orange). At the bottom, there are two input fields: 'Fishing event number:' with a value of 'F: 0003' and 'Catch detail number:' with a value of 'C: 0001'. Both fields have navigation arrows and '+' and '-' buttons.

3. ‘Catch details” pages will show the following buttons:
  -  catch (species/specimen) number between two arrows for navigating between entered catch details
  - A  button for the adding of new catch details
  - A  button for the deleting of catch details created



# TRIP LIST PAGE [How to open]

1. Click on **Main Menu Icon** (collapsed by default, on the left-hand side of the screen)
2. Click on **Trip List** button
3. Click on **Individual Trip label** to open and edit data for a specific trip



4. Check **Trip status**

- **Completed:** all data provided; no inconsistencies.
- **Not yet complete:** required data missing; inconsistencies.

Status	Actions
NOT YET COMPLETED	
Completed	



# TRIP LIST [on actions to be performed]

-  **Trip Status Report** - shows a report of all fields missing or with wrong values
-  **Export Trip** - exports the trip in ROS format, ready to be sent to the National DB
-  **Delete Trip** - deletes the trip from the system
-  **Trip Activity Details on Map** - shows all recorded activities on a map

Main > Trip list Welcome, OBSERVER DUMMY [ IOTCDUM001 Europe/Paris ]

Filter current records

SELECT ALL
  DESELECT ALL

Label	Reporting country	Gear type	Vessel name	Trip start	Trip end	Created by	Creation	Last updated	Last exported	Status	Actions
		LONGLINE	---	---	---	IOTCDUM001 OBSERVER DUM...	2019-10-30 13:...	2019-10-30 13:...	---	NOT YET COMPLETED	
		LONGLINE	---	---	---	IOTCDUM001 OBSERVER DUM...	2019-10-30 11:...	2019-10-30 11:...	---	NOT YET COMPLETED	
		PURSE SEINE	---	---	---	IOTCDUM001 OBSERVER DUM...	2019-10-23 13:...	2019-10-23 13:...	---	NOT YET COMPLETED	
		LONGLINE	---	---	---	IOTCDUM001 OBSERVER DUM...	2019-09-13 13:...	2019-09-13 13:...	---	NOT YET COMPLETED	



# EXPORT TRIP DATA

1. Select trip to be exported from the list page ticking the trip box
2. Click on export button 
3. If all trips to be exported use the  and then click on the  button.

	Trip label	Reporting country	Gear type	Vessel name	Trip start	Trip end	Created by	Creation	Last updated	Last exported	Status	Actions
<input checked="" type="checkbox"/>	1		LONGLINE		---	---	IOTCDUM001 OBSERVER DUM...	2019-10-30 13:...	2019-10-30 13:...	---	NOT YET COMPLETED	
<input checked="" type="checkbox"/>	001		LONGLINE		---	---	IOTCDUM001 OBSERVER DUM...	2019-10-30 11:...	2019-10-30 11:...	---	NOT YET COMPLETED	
<input checked="" type="checkbox"/>	1		PURSE SEINE		---	---	IOTCDUM001 OBSERVER DUM...	2019-10-23 13:...	2019-10-23 13:...	---	NOT YET COMPLETED	
<input checked="" type="checkbox"/>	1		LONGLINE		---	---	IOTCDUM001 OBSERVER DUM...	2019-09-13 13:...	2019-09-13 13:...	---	NOT YET COMPLETED	



# IMPORT TRIP DATA

1. Select trip to be imported from the list page ticking the trip box
2. Click on the  button
3. If all trips to be imported use the  button

<input checked="" type="checkbox"/> SELECT ALL <input type="checkbox"/> DESELECT ALL               EXPORT SELECTED												
	Trip label	Reporting country	Gear type	Vessel name	Trip start	Trip end	Created by	▲ Creation	Last updated	Last exported	Status	Actions
<input checked="" type="checkbox"/>	1		LONGLINE	---	---	---	IOICDUM001 OBSERVER DUM...	2019-10-30 13:...	2019-10-30 13:...	---	NOT YET COMPLETED	
<input checked="" type="checkbox"/>	001		LONGLINE	---	---	---	IOICDUM001 OBSERVER DUM...	2019-10-30 11:...	2019-10-30 11:...	---	NOT YET COMPLETED	
<input checked="" type="checkbox"/>	1		PURSE SEINE	---	---	---	IOICDUM001 OBSERVER DUM...	2019-10-23 13:...	2019-10-23 13:...	---	NOT YET COMPLETED	
<input checked="" type="checkbox"/>	1		LONGLINE	---	---	---	IOICDUM001 OBSERVER DUM...	2019-09-13 13:...	2019-09-13 13:...	---	NOT YET COMPLETED	

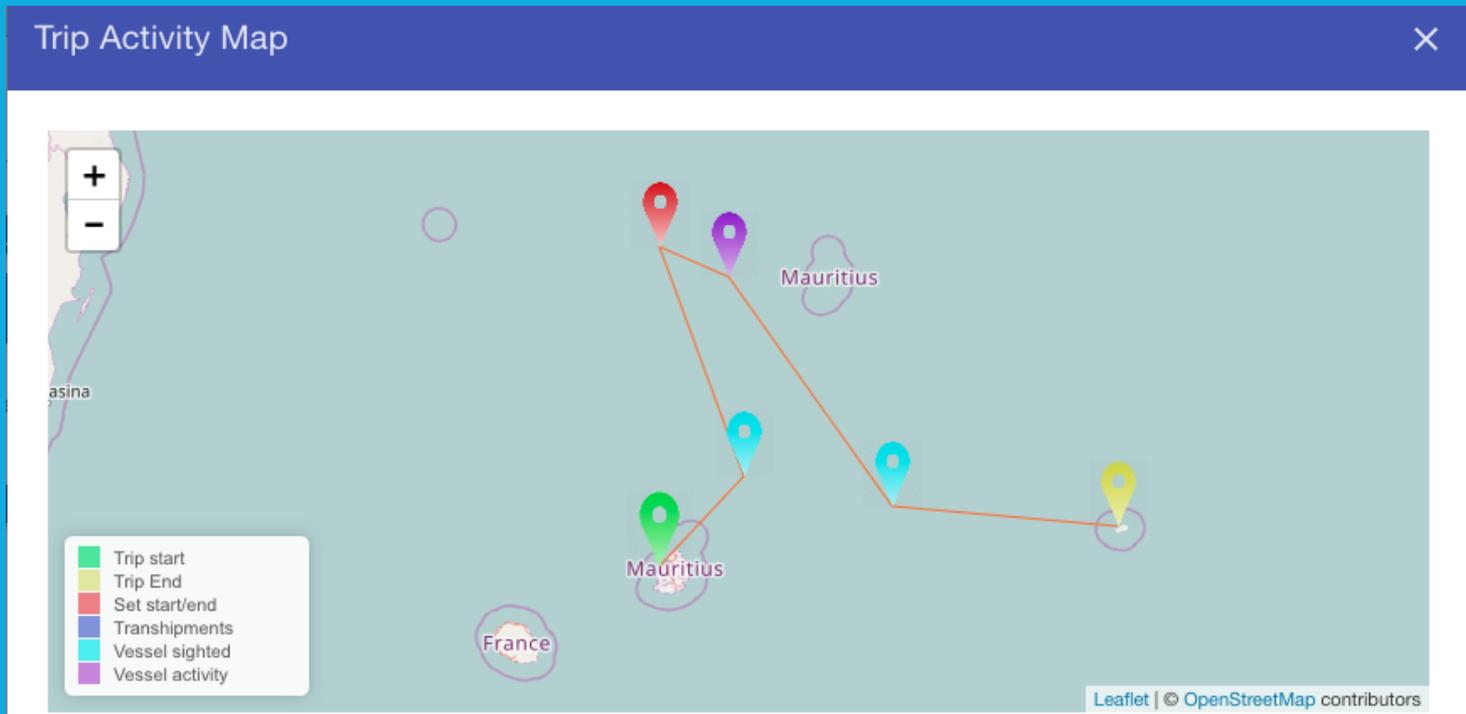
*Note: Exported trip data can be re-imported from list page and can be used to restore backed-up observations.*





# TRIP ACTIVITY DETAILS ON MAP

1. Select trip to be shown on map by ticking the trip box
2. Click on Trip Activity Details on Map button
3. If all trips to be selected use the Select All button





Food and Agriculture  
Organization of the  
United Nations



iotc ctoi

Indian Ocean Tuna Commission  
Commission des Thons de l'Océan Indien

# THANK YOU FOR YOUR PARTICIPATION

