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# Data Gathering Processes

## IOTC ROS Standard Minimum Data Collection Fields

*IOTC ROS SFO TR 20.3*

Category: Pole and line onboard data collection and recording



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*[IOTC ROS TR19]*



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**This training module aims to familiarize Observers with the data gathering processes and IOTC ROS Standard Minimum Data Collection Fields.**

**Agreed IOTC ROS Observer competency standards on this training requirement includes:**

- ✓ **Candidate is aware of IOTC ROS data gathering processes and Standard Minimum Data Collection Fields.**

**The achieving of these standards is demonstrated by candidate capacity to:**

- ✓ **Gather the data and information needed to complete each data collection form and understand the importance to collect and report mandatory data fields.**



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## Data Can Be Gathered Onboard Via:

- ✓ **Inspection of vessel records and certificates**
- ✓ **Interview of crew and officers**
- ✓ **Inspection of vessel electronics**
- ✓ **Inspection of vessels catch log**
- ✓ **Professional observation and estimate**



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## IOTC Form 1-PL requires Observers to collect information on:

- **Vessel identification** (*name, flag, IOTC, IMO, IRCS and registration numbers, port of registration, fishing licences and contact details*);
- **Vessel owner and personnel** (*names, contact details, etc.*);
- **Vessel attributes** (*GT, LOA, material, fish storage type & capacity, etc.*); and
- **Vessel electronics.**

These information can be gathered via the:

- ✓ **Inspection of vessel records and certificates**
- ✓ **Interview of crew and officers**
- ✓ **Inspection of vessel electronics**



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## **IOTC Form 2-PL** requires Observers to collect data on gear:

- **Special equipment or machinery** (*live bait tanks, automatic poles*);
- **General gear attributes** (*pole material, hooks, lures and jiggers*)

**These information can be gathered via the:**

- ✓ **Interview of crew**
- ✓ **Professional observation and estimate**



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**IOTC Form 3A-PL** requires Observers to collect data on vessel daily activities every two hours from sunrise to sunset and at the start of every fishing event:

- **Position and vessel activity at two-hour intervals from sunrise to sunset** (*date, time, position and vessel activity*);
- **Date, time and position at the start of every fishing event** (*date, time, position and activity*).

**These information can be gathered via the:**

- ✓ **Inspection of vessel electronics**
- ✓ **Professional observation**



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## IOTC Form 3B-PL requires Observers to collect data on bait fishing event:

- **Setting operations** (*date, time & position; depth, distance from the coast, setting details and info on the fishing method used*);
- **Catch details for all species caught** (*species & fate, number, etc.*);
- **Specimen information on non-target species** (*condition @ capture & release*);
- **Specimen information on SSI** (*condition @ capture & release, details on the interaction with the gear and on the way the specimen is handled by the crew, etc.*).

These information can be gathered via the:

- ✓ **Professional observation and estimate**
- ✓ **Interview of crew**
- ✓ **Inspection of vessels catch log**



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## IOTC Form 3-PL requires Observers to collect data on set:

- **Setting operations** (*date, time & position; setting details and info on the gear set*);
- **Information on the number of lines fishing**
- **Hook and bait details** (*hook & bait type, species, % set, etc.*).
- **Object details** (*ID, equipped or not with artificial lights, etc.*).

**These information can be gathered via the:**

- ✓ **Professional observation and estimate**
- ✓ **Interview of crew**



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## **IOTC Form 4-PL** requires Observers to collect data on fishing event catch details (target and non-target species and on SSIs):

- **Catch details for all species caught** (*species & fate, number, etc.*);
- **Specimen information on depredated species** (*sampling period, depredation source, predator*);
- **Specimen information on non-target species** (*condition @ capture & release*);
- **Specimen information on SSI** (*condition @ capture & release, details on the interaction with the gear and on the way the specimen is handled by the crew, etc.*).

**These information can be gathered via the:**

- ✓ **Professional observation and estimate**
- ✓ **Inspection of vessels catch log** (*only to compare it with information gathered by the observer or collect extra information that the observer didn't collected such as individual weights*)



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**IOTC Form 5-PL** requires Observers to collect biometric data (i.e., length-frequency, weight and sex) for specimens sampled for biometrics:

- **Set #, species & fate, sampling period and sampling method**
- **Length** (*type, value, measuring tool, straight or curved measurement*)
- **Weight** (*processing type, value, estimation method*)
- **Sex**

These information can be only gathered via :

- ✓ **Professional observation and estimate (sampling)**



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**IOTC Form 6-PL** requires Observers to collect biological information and/or biological samples (e.g., otoliths, stomachs, etc.), when requested by Observer Coordinator:

- **Set #, species & fate, sampling period and sampling method**
- **Length 1** (*type, value, measuring tool, straight or curved measurement*)
- **Length 2** (*type, value, measuring tool, straight or curved measurement*)
- **Weight** (*processing type, value, estimation method*)
- **Gender and maturity** (*sex and maturity stage*)
- **Sample collected** (*sample type and method of preservation*)

These information can be only gathered via :



**Professional observation and estimate (sampling)**



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**IOTC Form 7-PL** requires Observers to collect information on vessel transhipments and/or offloading (if requested by Observer Coordinator):

- **Transhipment #, date, time and position**
- **Products transhipped** (*species, processing type and quantity*)

**These information can be only gathered via :**

- ✓ **Professional observation and estimate**



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# IOTC ROS Data Collection Fields & Reporting Definitions

## DFs MANDATORY FOR REPORTING (MR)

Data fields that are always to be collected and reported by the CPC National Observer Programme to the IOTC Secretariat.

## DFs MANDATORY FOR REPORTING WHEN COLLECTED (MR-WC)

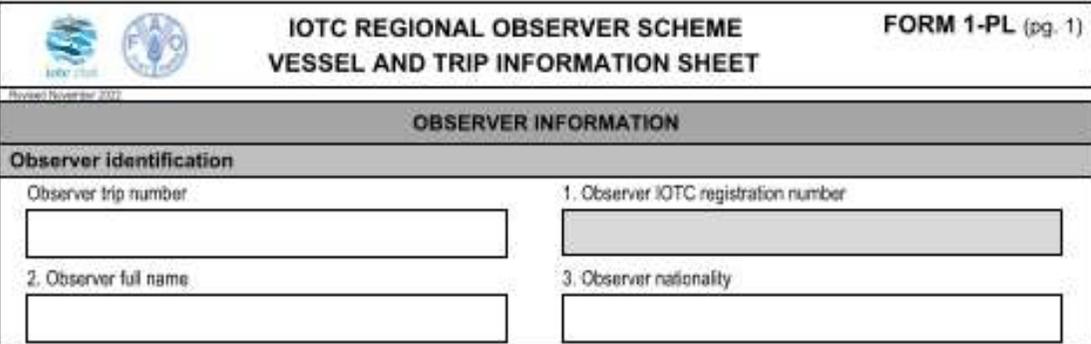
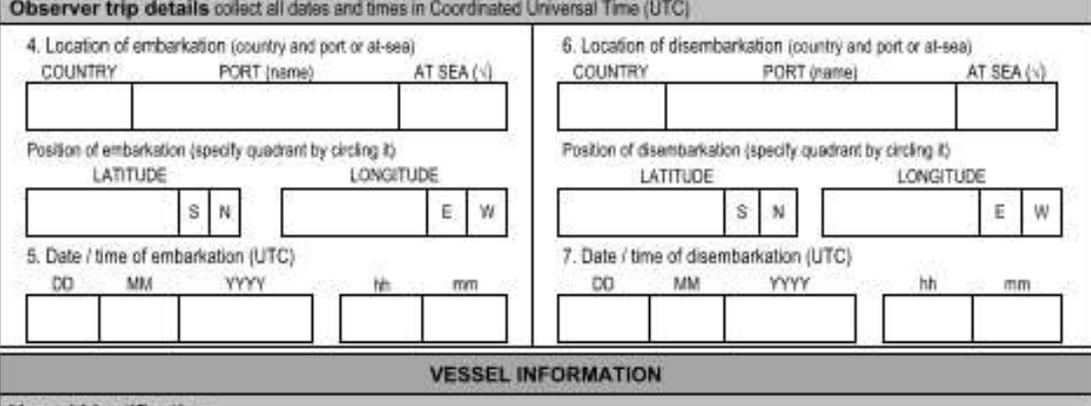
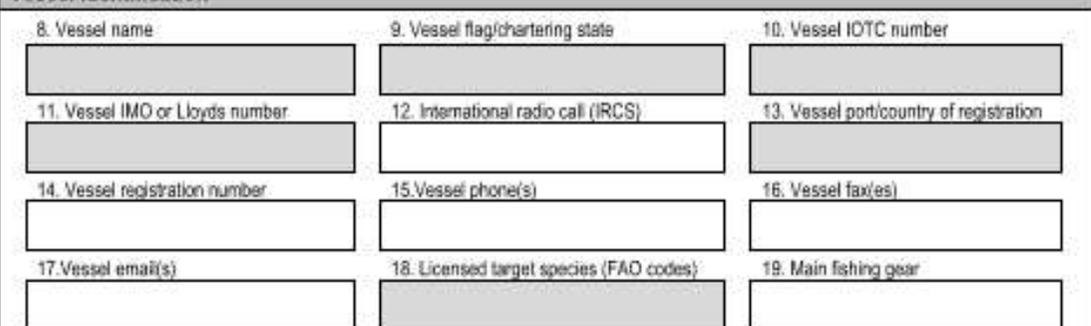
Data fields that are to be reported to the IOTC Secretariat when collected by the CPC National Observer Programme.

## DFs OPTIONAL FOR REPORTING (OR).

Data fields that should ideally be collected by CPCs National Observer Programmes, based on best practice as agreed by the IOTC, but do not need to be reported to the IOTC Secretariat.





Data Field Classification	Visual Translation of Data Fields Classification on Paper Forms
<p><b>MANDATORY FOR REPORTING</b></p> <p><i>Highlighted in grey</i></p>	 <p><b>IOTC REGIONAL OBSERVER SCHEME</b> <b>FORM 1-PL (pg. 1)</b> <b>VESSEL AND TRIP INFORMATION SHEET</b></p> <p><b>OBSERVER INFORMATION</b></p> <p><b>Observer identification</b></p> <p>Observer trip number <input type="text"/> 1. Observer IOTC registration number <input type="text"/></p> <p>2. Observer full name <input type="text"/> 3. Observer nationality <input type="text"/></p>
<p><b>MANDATORY FOR REPORTING WHEN COLLECTED</b></p> <p><i>Highlighted in grey</i></p>	 <p><b>Observer trip details</b> collect all dates and times in Coordinated Universal Time (UTC)</p> <p>4. Location of embarkation (country and port or at-sea) COUNTRY PORT (name) AT SEA (✓/✗) <input type="text"/> <input type="text"/> <input type="text"/></p> <p>Position of embarkation (specify quadrant by circling it) LATITUDE LONGITUDE <input type="text"/> S N <input type="text"/> E W</p> <p>5. Date / time of embarkation (UTC) DD MM YYYY hh mm <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/></p> <p>6. Location of disembarkation (country and port or at-sea) COUNTRY PORT (name) AT SEA (✓/✗) <input type="text"/> <input type="text"/> <input type="text"/></p> <p>Position of disembarkation (specify quadrant by circling it) LATITUDE LONGITUDE <input type="text"/> S N <input type="text"/> E W</p> <p>7. Date / time of disembarkation (UTC) DD MM YYYY hh mm <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/></p>
<p><b>OPTIONAL FOR REPORTING (OR).</b></p> <p><i>In white</i></p>	 <p><b>VESSEL INFORMATION</b></p> <p><b>Vessel identification</b></p> <p>8. Vessel name <input type="text"/> 9. Vessel flag/chartering state <input type="text"/> 10. Vessel IOTC number <input type="text"/></p> <p>11. Vessel IMO or Lloyds number <input type="text"/> 12. International radio call (IRCS) <input type="text"/> 13. Vessel port/country of registration <input type="text"/></p> <p>14. Vessel registration number <input type="text"/> 15. Vessel phone(s) <input type="text"/> 16. Vessel fax(es) <input type="text"/></p> <p>17. Vessel email(s) <input type="text"/> 18. Licensed target species (FAO codes) <input type="text"/> 19. Main fishing gear <input type="text"/></p>



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# ANY QUESTIONS?



*send us a message via Talents LMS*



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