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

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Data Gathering Processes

IOTC ROS Standard Minimum Data Collection Fields

IOTC ROS SFO TR 19.3

Category: Longline onboard data collection and recording

[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-LL 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-LL requires Observers to collect data on gear:

- **Special equipment or machinery** (*line setter, hauler, bait casting machine*);
- **General gear attributes** (*mainline material, length, diameter*)
- **Branchline configuration** (*individual section material, length & diameter*);
- **Mitigation devices and Tori line details.**

These information can be gathered via the:

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



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

- **Setting operations** (*date, time & position; setting details and info on the gear set*);
- **Information on the branchlines set** (*number of branchlines set per configuration type as recorded on Form 2LL*)
- **Branchline configurations** (*individual section material, length & diameter*);
- **Hook and bait details** (*hook & bait type, species, % set, etc.*).
- **Information on mitigation measures used during the set.**

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 4-LL 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-LL requires Observers to collect biometric data (i.e., length-frequency, weight and sex) for specimens sampled during biometric sampling periods and SSIs:

- **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-LL 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 1** (*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-LL 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

<p>DFs MANDATORY FOR REPORTING (MR)</p>	<p>Data fields that are <u>always to be collected and reported</u> by the CPC National Observer Programme <u>to the IOTC Secretariat.</u></p>
<p>DFs MANDATORY FOR REPORTING WHEN COLLECTED (MR-WC)</p>	<p>Data fields that are <u>to be reported to the IOTC Secretariat when collected</u> by the CPC National Observer Programme.</p>
<p>DFs OPTIONAL FOR REPORTING (OR).</p>	<p>Data fields that <u>should ideally be collected</u> by CPCs National Observer Programmes, based on best practice as agreed by the IOTC, <u>but do not need to be reported to the IOTC Secretariat.</u></p>





Data Field Classification	Visual Translation of Data Fields Classification on Paper Forms
<p>MANDATORY FOR REPORTING</p> <p><i>Highlighted in grey</i></p>	<p>MANDATORY FOR REPORTING</p> <p><i>Highlighted in grey</i></p>
<p>MANDATORY FOR REPORTING WHEN COLLECTED</p> <p><i>Highlighted in grey</i></p>	<p>MANDATORY FOR REPORTING WHEN COLLECTED</p> <p><i>Highlighted in grey</i></p>
<p>OPTIONAL FOR REPORTING (OR).</p> <p><i>In white</i></p>	<p>OPTIONAL FOR REPORTING (OR).</p> <p><i>In white</i></p>



Data Field Classification	Visual Translation of Data Fields Classification on Excel Forms
<p>MANDATORY FOR REPORTING</p> <p><i>Highlighted in light blue</i></p>	
<p>MANDATORY FOR REPORTING WHEN COLLECTED</p> <p><i>Highlighted in green</i></p>	
<p>OPTIONAL FOR REPORTING (OR).</p> <p><i>In white</i></p>	



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ANY QUESTIONS?



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