



ON THE RECORDING AND REPORTING OF CATCH AND EFFORT DATA BY FISHING VESSELS IN THE IOTC AREA OF COMPETENCE

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Explanatory Memorandum

Resolution 15/01 provides for the mandatory recording and reporting requirement of catch and effort data by fishing vessels in the IOTC area of competence. Over the years the recording and reporting requirement has been extended to cover in addition to the IOTC managed species, other species such as sharks, rays and bycatch species amongst others that are either directly or indirectly impacted by tuna fisheries to some extent. The work of the Scientific Committee and the Working Parties also involves assessing the impacts of fisheries directed at species managed by the IOTC on tuna stocks, and species belonging to the same ecosystem or dependent or associated with the activities of such fisheries in the Convention Area

As such the proposed amendment to Resolution 15/01 is in-line with this principle to cover all associated IOTC fisheries, by requiring CPCs involved in the tuna fishery associated with the bait fishery to record and report on bait data, in order that this can also be taken into consideration by the Scientific Committee and its' Working Parties in assessing the impacts of the tuna fishery in the IOTC area on the bait fishery.

In addition to this propose amendment, this proposal also takes into account the suggestions made by the legal scrubbing and proposed revision to the Resolution 15/01 to take into account these changes and necessary clarifications.

RESOLUTION ~~15/01~~ 23/XX**ON THE RECORDING AND REPORTING OF CATCH AND EFFORT DATA BY FISHING VESSELS IN THE IOTC AREA OF COMPETENCE**

Keywords: ~~d~~Data recording; logbook; purse seine; longline; gillnet; pole and line; handline; trolling; fishing vessels.

The Indian Ocean Tuna Commission (IOTC),

RECALLING the commitment made by Contracting Parties under Article V of the IOTC Agreement to keep under review the conditions and trends of the stocks and to gather, analyse and disseminate scientific information, catch and effort statistics and other data relevant to the conservation and management of the stocks and to fisheries based on the stocks covered by the Agreement;

CONSIDERING the provisions set forth in [Resolution 15/02](#) *On mandatory statistical reporting requirements for IOTC Contracting Parties and Cooperating Non-Contracting Parties (CPCs)* (or any subsequent superseding Resolution), and in particular paragraph 4, which sets out the catch and effort reporting requirements for surface fisheries, longline and coastal fisheries;

ACKNOWLEDGING that the IOTC Scientific Committee has repeatedly stressed the importance of the timeliness and accuracy of data submissions for ~~CPCs~~Members;

ALSO RECALLING the outcomes of the 9th Session of the IOTC Scientific Committee held in Victoria, Seychelles from 6 to 10 November 2006 where it was agreed that a standardised logbook would be advantageous and agreed on the minimum requirements were agreed for all purse seine and bait boat fleets operating in the IOTC area of competence in order to harmonise data gathering and provide a common basis for scientific analysis for all IOTC Contracting Parties and Cooperating Non-Contracting Parties (CPCs);

FURTHER RECALLING the recommendations adopted by the [International Workshop on Tuna RFMO Management of Issues Relating to Bycatch \(Kobe\)](#)~~OBE II Workshop on Bycatch~~ Workshop, held in Brisbane, Australia, 23–25 June 2010; in particular that RFMOs should consider adopting standards for bycatch data collection which, at a minimum, allows the data to contribute to the assessment of bycatch species population status and evaluation of the effectiveness of bycatch measures, and that the data should allow the RFMOs to assess the level of interaction of the fisheries with bycatch species;

FURTHER CONSIDERING the work of the small task force created by the IOTC Scientific Committee during its 10th Session held in Seychelles in November 2007, to harmonise the various forms currently used by the fleets and the IOTC Scientific Committee agreement on the minimum standard requirements for all purse seine, longline and gillnet fleets as well as the produced logbook template;

FURTHER CONSIDERING ~~that e-deliberations of~~ the 13th Session of the IOTC Scientific Committee held in Victoria, Seychelles from 6 to 10 December 2010, that recommended for consideration by the Commission three options to improve data collection and statistics on sharks in the IOTC area of competence, one of which is mandatory reporting of a revised list of shark species in logbooks ~~to improve the data collection and statistics on sharks in the IOTC area of competence~~;

FURTHER CONSIDERING ~~that e-deliberations of~~ the 14th Session of the IOTC Scientific Committee held in Mahé, Seychelles from 12 to 17 December 2011, ~~that~~ proposed a list of shark species for all gears and recommended minimum recording requirements for handline and trolling gears in the IOTC area of competence;

FURTHER CONSIDERING the recommendations of the 17th Session of the IOTC Scientific Committee referring to bycatch;

FURTHER CONSIDERING the call upon States, either individually, collectively or through regional fisheries management organisations and arrangements included in the United Nations General Assembly Resolution 67/79 on Sustainable fisheries to collect the necessary data in order to evaluate and closely monitor the use of large -scale fish aggregating devices and others, as appropriate, and their effects on tuna resources and tuna behaviour and associated and dependent species, to improve management procedures to monitor the number, type and use of such devices and to mitigate possible negative effects on the ecosystem, including on juveniles and the incidental bycatch of non-target species, particularly sharks and turtles;

MINDFUL of the work of the Scientific Committee and the Working Party in assessing the impacts of fisheries directed at species managed by the IOTC on tuna stocks, by catch and species belonging to the same ecosystem or dependent or associated with the activities of such fisheries in the Convention Area.

ADOPTS, in accordance with the provisions of Article IX, paragraph 1 of the IOTC Agreement, the following:

1. Each flag CPC shall ensure that all purse seine, longline, gillnet, pole and line, handline and trolling fishing vessels flying its flag and authorised to fish species managed by IOTC ~~be~~are subject to a data recording system.

~~The measure~~CPCs shall apply this measure to all purse seine, longline, gillnet, pole and line, handline and trolling fishing vessels ~~over~~ 24 metres length overall or above and those less than ~~under~~ 24 metres in length overall if they engage in fishing outside the exclusive economic zones (EEZs) of their flag States or within the IOTC area of competence. ~~The data recording systems for developing CPCs vessels less than 24 metres operating within the EEZ of coastal States are subject to Paragraphs 11 and 12. The vessels of less than 24 metres operating within the EEZs of developed CPCs shall apply this measure within the IOTC area of competence.~~2bis. CPCs shall ensure to report bait data for baits used by vessels described in paragraph 2. It includes species, volume, fresh or frozen, origin (aquaculture or fishery, country, country of origin) and, when baits come from fishery, vessels' flag, gear, place and mode of capture.

2. All vessels shall keep a bound paper or electronic logbook to record data that includes, as a minimum requirement, the information and data in the logbook provided set forth in **Annex I, II and III**.
3. Each flag CPC shall submit to the IOTC Executive Secretary by 15 February 2024~~16~~ a template of its official logbooks to record data in accordance with **Annex I, II and III**, for publishing on the IOTC website to facilitate MCS activities. For CPCs that use electronic logbook systems, a copy of the applicable regulations implementing the electronic logbook system in that CPC, a set of screen captures and the name of the certified software may be provided. If changes are made to the template after 15 February 2024~~16~~, an updated template shall be submitted.

4. Where the logbook is not in one of the two languages of the IOTC, CPCs shall provide a complete field description of the logbook in one of the two languages of the IOTC together with the submission of the sample of the logbook. The IOTC Executive Secretary shall publish the sample of the logbook and the field description on the IOTC website.
5. **Annex I** includes information on vessel, trip and gear configuration for purse seine, longline, gillnet and pole and line, and shall only be completed once for each trip, unless the gear configuration changes during the trip.
6. **Annex II** contains information for purse seine, longline, gillnet and pole and line operations and catch, which shall be completed for each set/shot/operation of the fishing gear.
7. **Annex III** contains specifications for handline and trolling gears.
8. The logbook shall be completed by the Master of the ~~fishing~~ vessel and submitted to the flag State administration, as well as to the coastal State administration where the vessel has fished in that coastal State's EEZ. Only the part of the logbook corresponding to the activity deployed in the coastal State EEZ shall be provided to the coastal State administration where the vessel has fished in that coastal State's EEZ.
9. The Flag State shall provide all the data for any given year to the IOTC Secretariat by June 30th of the following year on an aggregated basis. The confidentiality rules set out in [Resolution 12/02 Data Confidentiality Policy and Procedures](#) (or any subsequent superseding Resolution) for fine-scale data shall apply.

~~Nothing the difficulty in implementing a data recording system on fishing vessels from developing CPCs, the data recording systems for vessels less than 24 metres of developing CPCs operating inside the EEZ shall be implemented progressively from 1 July 2016.~~

- ~~10. The Commission shall consider development of a special program to facilitate the implementation of this Resolution by developing CPCs. Furthermore, developed and developing CPCs are encouraged to work together to identify opportunities for capacity building to assist the long-term implementation of this Resolution.~~

13. This Resolution supersedes Resolution 15/01 *On the recording of catch and effort by fishing vessels in the IOTC area of competence.*

ANNEX I

Record once per trip (unless gear configuration changes)

4.1 REPORT INFORMATION

1. Date of the submission of logbook
2. Name of reporting person

4.2 VESSEL INFORMATION

1. Vessel name and/or registration number
2. IMO number, where available
3. IOTC number
4. Call sign: if call sign is not available, other unique identifying code such as fishing licence number should be used
5. Vessel size: gross tonnage and overall length (meters)

4.3 CRUISE INFORMATION

For multiday fishing operations record the:

1. Departure date (at your location) and port
2. Arrival date (at your location) and port

4.4 OTHER REQUIRED INFORMATION

Longline (Gear Configuration):

1. Average branch line length (meters): straight length in meters between snap and hook (**Figure 1**)
2. Average float line length (meters): straight length in meters from the float to the snap
3. Average length between branch (meters): straight length of main line in meters between successive branch lines
4. Main line material classified into four categories:
 - a) Thick rope (Cremona rope)
 - b) Thin rope (Polyethylene or other materials)
 - c) Nylon braided
 - d) Nylon monofilament

5. Material of the terminal tackle of the branch line (leader/trace) classified into two categories:

- a) Nylon monofilament
- b) Other (such as wire)

Purse Seine:

(Gear configuration):

- 1. Length of the purse seine net
- 2. Height of the purse seine net
- 3. Total number of FADs deployed per trip: refer to the [Resolution 19/0208](#) *Procedures on a fish aggregating devices (FADs) management plan, including a limitation on the number of FADs, more detailed specification of catch reporting from FAD sets, and the development of improved FAD designs to reduce the incidence of entanglement of non-target species* (or any subsequent superseding Resolution)

(Search information):

- 1. Days searched
- 2. Spotter plane used (Yes/No)
- 3. Supply vessel used (Yes/No), if yes what is the name and registration number of the supply vessel

Gillnet (Gear Configuration):

- 1. Overall length of net (metres): record the total overall length of the net onboard
- 2. Mesh size of net (millimetres): record the mesh size (measured between opposite knots when fully stretched) used during the trip
- 3. Depth of assembled net (meters): height of assembled net in meters
- 4. Netting material: e.g. nylon braid, nylon monofilament, etc.

Pole and line (Gear Configuration):

- 1. Number of fishermen

ANNEX II

Record once per set/shot/operation

Note: for all gears in this ~~a~~Annex use the following ing format for date and time

For date: when recording date of the set/shot/operation: record the YYYY/MM/DD

For time: record 24hr time as either the local time, GMT or national time and clearly specify which time has been used.

2.1 OPERATION**~~For H~~ongline:**

1. Date of set
2. Position in latitude and longitude: either position at noon or position of start of gear or area code of operation (e.g. Seychelles EEZ, ~~H~~high seas, etc.) may be optionally used
3. Time of starting setting and, when possible, retrieving the gear
4. Number of hooks between floats: if there are different hooks counts between floats in a single set then record the most representative (average) number
5. Total number of hooks used in the set
6. Number of light-sticks used in the set
7. Type of bait used in the set: e.g. fish, squid, etc.
8. Optionally, sea surface temperature at noon with one decimal point (XX.X°C)

~~For p~~Purse seine:

1. Date of set
2. Type of event: fishing set or deployment of a new fish aggregating device (FAD).
3. Position in latitude and longitude and time of event, or if no event during the day, at noon
4. If fishing set: specify if the set was successful, nil, well; type of school (free swimming school or FAD associated. If FAD associated, specify the type (e.g. log or other natural object, drifting FAD, anchored FAD, etc.). Refer to the ~~the~~ Resolution 19/02 Procedures on a fish aggregating devices (FADs) management plan, including a limitation on the number of FADs, more detailed specification of catch reporting from FAD sets, and the development of improved FAD designs to reduce the incidence of entanglement of non-target species (or any subsequent superseding Resolution)
5. Optionally, sea surface temperature at noon with one decimal point (XX.X°C)

~~5.~~

6. Paragraphs 1 to 5 shall also apply to any other vessel which interacts with a FAD, even it has not deployed, ensure to report the type of activity (visit, deactivation...). If the visit is followed by fishing CPCs shall ensure that the concerned vessels collect species and volume caught. They shall collect and transmit the data as required in Annex III of Resolution 19/02 (or any subsequent superseding Resolution)

For Gillnet:

1. Date of set: record the date for each set or day at sea (for days without sets)
2. Total length of net (meters): floatline length used for each set in meters
3. Start fishing time: record the time when starting each set and, when possible, gear retrieving
4. Start and end position in latitude and longitude: record start and end latitude and longitude that represent the area that your gear is set between or, if no set, record the latitude and longitude at noon for days without sets
5. Depth at which net is set (meters): approximate depth at which the gillnet is set

For Pole and Line:

Fishing effort information in logbooks shall be recorded by day. Catch and bait information in logbooks shall be recorded by trip or, when possible, by fishing day.

1. Date of operation: record day or date
 2. Type of operation: fishing for live bait or for IOTC species
 3. Position in latitude at noon
 4. Type of gear used to catch live bait Number of fishing poles used during the day
 5. Start and end of live bait fishing time
 6. Start pole and line fishing time (record the time immediately after bait fishing is complete and the vessel heads to the ocean for fishing. For multiple days, the time at which search starts should be recorded) and end fishing time (record the time immediately after fishing is complete from the last school; on multiple days this is the time fishing stopped from the last school). For multiple days number of fishing days should be recorded.
 7. Type of school: FAD associated and/or free school
- If fishing set interacts with a dFAD, even if has not deployed, ensure to report the type of activity (visit, deactivation...). If the visit is followed by fishing, CPCs shall ensure that the concerned vessels collect species and volume caught. They shall collect and transmit the data as required in Annex III of Resolution 19/02

2.2 CATCH

1. Catch weight (kg) or number by species per set/shot/fishing event for each of the species ~~and form of processing~~ in section 2.3:
 - a) ~~F~~for longline by number and weight
 - b) ~~F~~for purse seine by weight
 - c) ~~F~~for gillnet by weight
 - d) ~~F~~for pole and line ~~and live fishing bait~~ by weight or number

2.3 SPECIES

~~For~~ Longline:

Primary Species	FAO code	Other Species	FAO code
Southern bluefin tuna (<i>Thunnus maccoyii</i>)	SBF	Shortbill spearfish (<i>Tetrapturus angustirostris</i>)	SSP
Albacore (<i>Thunnus alalunga</i>)	ALB	Blue shark (<i>Prionace glauca</i>)	BSH
Bigeye tuna (<i>Thunnus obesus</i>)	BET	Mako sharks (<i>Isurus</i> spp.)	MAK
Yellowfin tuna (<i>Thunnus albacares</i>)	YFT	Porbeagle shark (<i>Lamna nasus</i>)	POR
Skipjack tuna (<i>Katsuwonus pelamis</i>)	SKJ	Hammerhead sharks (<i>Sphyrna</i> spp.)	SPN
Swordfish (<i>Xiphias gladius</i>)	SWO	Silky shark (<i>Carcharhinus falciformis</i>)	FAL
Striped marlin (<i>Tetrapturus audax</i>)	MLS	Other bony fishes	MZZ
Blue marlin (<i>Makaira nigricans</i>)	BUM	Other sharks	SKH
Black marlin (<i>Makaira indica</i>)	BLM	Seabirds (in number) ¹	
Indo-Pacific sailfish (<i>Istiophorus platypterus</i>)	SFA	Marine Mammals (in number)	MAM

1. When a CPC is fully implementing the observer program the provision of seabird data is optional

		Marine turtles (in number)	TTX
		Thresher sharks (<i>Alopias</i> spp.)	THR
		Oceanic whitetip shark (<i>Carcharhinus longimanus</i>)	OCS

		Optional species to be recorded	
		Tiger shark (<i>Galeocerdo cuvier</i>)	TIG
		Crocodile shark (<i>Pseudocarcharias kamoharai</i>)	PSK
		Great white shark (<i>Carcharodon carcharias</i>)	WSH
		Mantas and devil rays (<i>Mobulidae</i>)	MAN
		Pelagic stingray (<i>Pteroplatytrygon violacea</i>)	PLS
		Other rays	

For Purse Seine:

Primary Species	FAO code	Other species	FAO code
Albacore (<i>Thunnus alalunga</i>)	ALB	Marine turtles (in number)	TTX
Bigeye tuna (<i>Thunnus obesus</i>)	BET	Marine mammals (in number)	MAM
Yellowfin tuna (<i>Thunnus albacares</i>)	YFT	Whale sharks (<i>Rhincodon typus</i>) (in number)	RHN
Skipjack tuna (<i>Katsuwonus pelamis</i>)	SKJ	Thresher sharks (<i>Alopias</i> spp.)	THR
Other IOTC species		Oceanic whitetip shark (<i>Carcharhinus longimanus</i>)	OCS
		Silky sharks (<i>Carcharhinus falciformis</i>)	FAL
		Optional species to be recorded	FAO code
		Mantas and devil rays (<i>Mobulidae</i>)	MAN
		Other sharks	SKH
		Other rays	
		Other bony fish	MZZ

For Gillnet:

Primary Species	FAO code	Other Species	FAO code
Albacore (<i>Thunnus alalunga</i>)	ALB	Shortbill spearfish (<i>Tetrapturus angustirostris</i>)	SSP
Bigeye tuna (<i>Thunnus obesus</i>)	BET	Blue shark (<i>Prionace glauca</i>)	BSH
Yellowfin tuna (<i>Thunnus albacares</i>)	YFT	Mako sharks (<i>Isurus</i> spp.)	MAK
Skipjack tuna (<i>Katsuwonus pelamis</i>)	SKJ	Porbeagle shark (<i>Lamna nasus</i>)	POR
Longtail tuna (<i>Thunnus tonggol</i>)	LOT	Hammerhead sharks (<i>Sphyrna</i> spp.)	SPN
Frigate tuna (<i>Auxis thazard</i>)	FRI	Other sharks	SKH
Bullet tuna (<i>Auxis rochei</i>)	BLT	Other bony fish	MZZ
Kawakawa (<i>Euthynnus affinis</i>)	KAW	Marine turtles (in number)	TTX

arrow barred Spanish mackerel (<i>Scomberomorus commerson</i>)	COM	Marine mammals (in number)	MAM
Indo-Pacific king mackerel (<i>Scomberomorus guttatus</i>)	GUT	Whale sharks (<i>Rhincodon typus</i>) (in number)	RHN
Swordfish (<i>Xiphias gladius</i>)	SWO	Seabirds (in number) ²	
Indo-Pacific sailfish (<i>Istiophorus platypterus</i>)	SFA	Thresher sharks (<i>Alopias</i> spp.)	THR
Marlins (<i>Tetrapturus</i> spp, <i>Makaira</i> spp.)	BIL	Oceanic whitetip shark (<i>Carcharhinus longimanus</i>)	OCS
Southern bluefin tuna (<i>Thunnus maccoyii</i>)	SBF	Optional species to be recorded	
		Tiger shark (<i>Galeocerdo cuvier</i>)	TIG
		Crocodile shark (<i>Pseudocarcharias kamoharai</i>)	PSK
		Mantas and devil rays (Mobulidae)	MAN
		Pelagic stingray (<i>Pteroplatytrygon violacea</i>)	PLS
		Other rays	

For Pole and Line:

Primary Species	FAO code	Other Species	FAO code
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Albacore (<i>Thunnus alalunga</i>)	ALB	Other bony fish	MZZ
Bigeye tuna (<i>Thunnus obesus</i>)	BET	Sharks	SKH
Yellowfin tuna (<i>Thunnus albacares</i>)	YFT	<u>Rays</u>	
Skipjack tuna (<i>Katsuwonus pelamis</i>)	SKJ	Marine turtles (in number)	TTX
Frigate and bullet tuna (<i>Auxis</i> spp.)	FRZ		
Kawakawa (<i>Euthynnus affinis</i>)	KAW	<u>Bait species</u>	
Longtail tuna (<i>Thunnus tonggol</i>)	LOT	<u>to complete</u>	
Narrow barred Spanish mackerel (<i>Scomberomorus commerson</i>)	COM	<u>Optional species to be recorded</u>	
Other IOTC species		<u>Mantas and devil rays (Mobulidae)</u> <u>Other Rays</u>	

2.4 REMARKS

1. Discard of tuna, tuna-like fish and sharks to be recorded by species in weight (kg) or number for all gears should be recorded in the remarks³
2. Any interactions with whale sharks (*Rhincodon typus*), marine mammals, and seabirds should be recorded in the remarks
4. The type of bait, its condition (live or frozen), species, and weight (kg) or live bait used, by species for all gears should be recorded in the remarks, or alternatively, in the specific fields in the form.
- 4.3. Other information is also written in the remarks

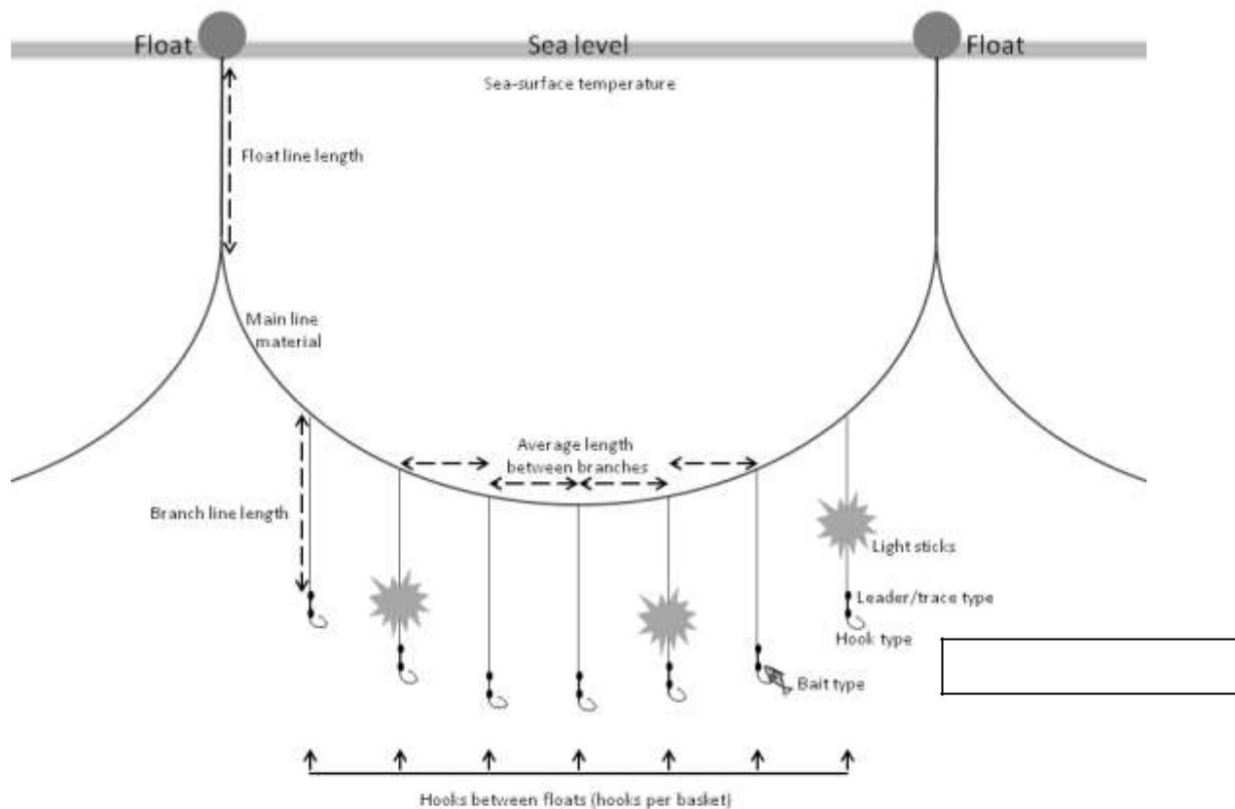
Note: The species included in the logbooks are regarded as minimum requirement. Optionally other frequently caught shark and/or fish species should be added as required across different areas and fisheries.

² When a CPC is fully implementing the observer program the provision of seabird data is optional

³ Recall the Resolution recommendation 15/0610/13 On the implementation of a ban on discards of skipjack tuna, yellowfin tuna, bigeye tuna and non-target species caught by purse seiners [superseded by Resolution 13/11; then by Resolution 15/06]



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



Terminal tackle of the branch line

Figure 1. Longline (Gear Configuration): Average branch line length (meters): straight length in meters between snap and hook.

ANNEX III**Specifications for handline and trolling**

Note: for all gears in this **a**Annex use the follow**ing** format for date and time

For date: when recording date of the set/shot/operation: record the YYYY/MM/DD

For time: record 24hr time as either the local time, GMT or national time and clearly specify which time has been used.

I - HANDLINE

All logbook information shall be recorded by day; where more than one fishing event is recorded for the same day, it is advisable to record each fishing event separately

Record once in one cruise, or month where daily operation

1.1 REPORT INFORMATION

1. Fishing day (or Date of submission of the logbook, where multiple fishing days)
2. Name of reporting person

4.2 VESSEL INFORMATION

1. Vessel name and registration number and IMO number, where available
2. IOTC number, where available
3. Fishing License number
4. Vessel size: Gross tonnage and/or length overall (in metres)

4.3 CRUISE INFORMATION

1. Departure date and port
2. Arrival date and port

42.4 OPERATION

1. Date of fishing

Record the date of fishing. Each fishing day should be recorded separately

2. Number of fishermen

Record the number of fishermen on the boat by fishing day

3. Number of Fishing Gear

Record the number of fishing lines used during the fishing day. If the exact number is not available a range may be used i) 5 or less lines, ii) 6–10 lines; iii) 11 or more lines

4. Number and type of school (Anchored or drifting FAD, marine mammal, free, other) fished

Record the number and type of school fished (i.e. anchored FAD, drifting FAD, marine mammal associated or free) fished during the day

5. Position of the catch

Position in latitude and longitude: either position at noon or position of start of gear or area code of operation (e.g. Seychelles EEZ, High seas, etc.) may be optionally used. Record the latitude and longitude at noon for non-fishing days, where not in port

Where information is recorded by day, record the 1° x 1° area(s) where fishing took place

6. Bait

Record the type of bait used (e.g. fish, squid), where applicable

52.2 CATCH

Catch in number and/or weight (kg) by species

1. Catch number and/or ~~W~~weight

For each species shown in section 62.3 caught and retained, record the number and estimated live weight (kg), per fishing day

2. Discard number and/or ~~W~~weight

For each species shown in section 62.3 caught and not retained record the number and estimated live weight (kg) discarded, per fishing day

62.3 SPECIES

Primary Species	FAO code
Yellowfin tuna (<i>Thunnus albacares</i>)	YFT
Bigeye tuna (<i>Thunnus obesus</i>)	BET
Skipjack tuna (<i>Katsuwonus pelamis</i>)	SKJ
Indo-Pacific sailfish (<i>Istiophorus platypterus</i>)	SFA
Black marlin (<i>Makaira indica</i>)	BLM
Other billfish	
Longtail tuna (<i>Thunnus tonggol</i>)	LOT
Kawakawa (<i>Euthynnus affinis</i>)	KAW
Frigate tuna/Bullet tuna (<i>Auxis</i> spp.)	FRZ
Narrow barred Spanish mackerel (<i>Scomberomorus commerson</i>)	COM
Indo-Pacific king mackerel (<i>Scomberomorus guttatus</i>)	GUT
Sharks	
Other fishes	
<u>Mantas and devil rays (Mobulidae) Rays</u>	<u>MAN</u>
Marine turtles (by number)	

2.4 REMARKS

- Other relevant information is also written in the remarks

Note: These species included in the logbook are regarded as minimum requirement. Optionally other species should be added as species may differ depending on the area fished and type of fishery

II - TROLLING VESSELS

All logbook information shall be recorded by day; where more than one fishing event is recorded for the same day, it is advisable to record each fishing event separately

Record once in one cruise

4.1 REPORT INFORMATION

1. Fishing day (or Date of submission of the logbook, where multiple fishing days)
2. Name of reporting person

4.2 VESSEL INFORMATION

1. Vessel name and registration number and IMO number, where available
2. IOTC number, where available
3. Fishing License number
4. Vessel size: Gross tonnage and/or length overall (in metres)

4.3 CRUISE INFORMATION

1. Departure date and port
2. Arrival date and port

4.4 OPERATION

1. Date of fishing
Record the date of fishing. Each fishing day should be recorded separately
2. Number of fishermen
Record the number of fishermen on the vessel by fishing day
3. Number of Fishing Gear
Record the number of lines used during the fishing day. If the exact number is not available a range may be used i) 3 or less lines, ii) more than 3 lines
4. Number and type of school ~~fished~~ (aAnchored or drifting FAD, marine mammal, free, other) ~~fished~~
Record the number and type of school fished (i.e. anchored FAD, drifting FAD, marine mammal associated or free) ~~fished~~ during the day
5. Position of the catch
Position in latitude and longitude: either position at noon or position of start of gear or area code of operation (e.g. Seychelles EEZ, High seas, etc.) may be optionally used. Record the latitude and longitude at noon for non-fishing days, where not in port
Where information is recorded by day, record the 1° x 1° area(s) where fishing took place
6. Bait
Record the type of bait or indicate if lures are used

52.2 CATCH

Catch in number and/or weight (kg) by species

1. Number and/or Weight of fish retained

For each species shown in section 2–3 caught and retained, record the number or estimated live weight (kg), per fishing day

2. Discard number and/or Weight

For each species shown in section 2–3 caught and not retained record the number and estimated live weight (kg) discarded, per fishing day

62.3 SPECIES

Primary Species	FAO code
Yellowfin tuna (<i>Thunnus albacares</i>)	YFT
Bigeye tuna (<i>Thunnus obesus</i>)	BET
Skipjack tuna (<i>Katsuwonus pelamis</i>)	SKJ
Albacore (<i>Thunnus alalunga</i>)	ALB
Swordfish (<i>Xiphias gladius</i>)	SWO
Blue marlin (<i>Makaira nigricans</i>)	BUM
Black marlin (<i>Makaira indica</i>)	BLM
Striped marlin (<i>Tetrapturus audax</i>)	MLS
Indo-Pacific sailfish (<i>Istiophorus platypterus</i>)	SFA
Other billfish	
Longtail tuna (<i>Thunnus tonggol</i>)	LOT
Kawakawa (<i>Euthynnus affinis</i>)	KAW
Frigate tuna/Bullet tuna (<i>Auxis</i> spp.)	FRZ
Narrow barred Spanish mackerel (<i>Scomberomorus commerson</i>)	COM
Indo-Pacific king mackerel (<i>Scomberomorus guttatus</i>)	GUT
Sharks	

Other fishes	
<u>Mantas and devil rays (Mobulidae) Rays</u>	<u>MAN</u>
Marine turtles	

2.4 REMARKS

1. Other relevant information is also written in the remarks

Note: These species included in the logbook are regarded as minimum requirement. Optionally other species should be added as species may differ depending on the area fished and type of fishery.