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IOTC DATA REPORTING GUIDELINES UPDATE

19TH WORKING PARTY ON DATA COLLECTION AND STATISTICS (WPDCS19)

MUMBAI, 28TH NOVEMBER - 2ND DECEMBER 2023

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The Data reporting Guidelines provide the CPCs a set of rules and best practices to streamline the collection and reporting of fisheries and biological data to the IOTC Secretariat as per the data requirements defined in the IOTC Conservation and Management and Measures (CMMs)



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Resolutions 15/01 and 15/02 set the standards in terms of what operational data should be collected at national level and how this must be aggregated and reported to the IOTC Secretariat.



IOTC CMMs

RESOLUTION 15/02 MANDATORY STATISTICAL REPORTING REQUIREMENTS FOR IOTC CONTRACTING PARTIES AND COOPERATING NON -CONTRACTING PARTIES (CPCS)

Requirements

Par 2 “Total catch data: Estimates of the total catch by species and gear, if possible quarterly, that shall be submitted annually as referred in paragraph 7 (separated, whenever possible, by retained catches in live weight and by discards in live weight or numbers) for all species under the IOTC mandate as well as the most commonly caught elasmobranch species according to records of catches and incidents as established in Resolution 15/01 on the recording of catch and effort data by fishing vessels in the IOTC area of competence (or any subsequent superseding Resolution)”

Data set

Annual Retained catches

Data elements

Fishery, species, area

IOTC forms

Form 1RC



The spatial-temporal stratification depends on the dataset, although strata generally include CPC / fleet, year, fishery, and species. Some datasets are further stratified by quarter and Indian Ocean major area (e.g., annual retained catches and annual discards) while others are stratified by month and by Indian Ocean statistical regular grids (e.g., catch-and-effort, FAD interactions, and size-frequency).



CMMs	Dataset type and main data elements	Temporal resolution	Spatial resolution	Reporting
15/01, 15/02	Retained catches in live weight of the 16 IOTC species and the most commonly caught elasmobranch species by major area, fishery, species and year	Year/Quarter	Main IOTC areas (EAST/ WEST)	M
19/01	Retained YFT catches in live weight by vessel category	Year/Quarter	Main IOTC areas (EAST/ WEST)	M
15/01, 15/02	Discard levels (raised) of the 16 IOTC species, the most common elasmobranch species, and turtles, cetaceans, and seabird's species by major area, fishery, species, and year.	Year/Quarter	Main IOTC areas (EAST/ WEST)	M
18/07,	Zero catch matrix - Catch reporting status	Year	IOTC	M
15/01, 15/02,	Geo-referenced Catch and effort in live weights or numbers by fishery, school type, grid area and month strata - Surface fisheries.	Month	1°x1° grids	M
15/01, 15/02,	Geo-referenced Catch and effort in live weights or numbers by fishery, grid area and month strata - Longline fisheries.	Month	5°x5° grids	M
15/01, 15/02,	Geo-referenced Catch and effort in live weights or numbers by fishery, grid area and month strata - Other fisheries	Month	Any	M
15/01, 15/02,	Number of support vessels and effort by fishery, school type, grid area and month strata	Month	1°x1° grids	M
19/02,	dFOB numbers, interactions and catches by purse seiners and supply vessels	Day	Coordinates	M
19/02	Daily positions of active buoys equipping FADs and natural floating objects, by purse seine vessel	Day	Coordinates	M
23/01,	Daily aFAD catches in live weights or numbers by type of aFAD, vessel, species, and coordinates	Day	Coordinates	M
15/01, 15/02	Geo-referenced Individual lengths of IOTC species and the most commonly caught elasmobranch species by fishery, grid area and month strata	Month	5°x5° grids	M
22/04	Regional Observer Scheme - Samples of catches landed/ at -sea to cover at least 5% of vessel activities	Day	Coordinates	M
FSA	Number of fishing crafts by fishery, boat type, and year	Year	NA	V
IOTC Agreement	Monthly time series of fish sale price	Month	NA	V



Data reporting guideline's structure

- IOTC fishery statistics datasets and related CMMs
- Core data elements
- IOTC data reporting cycle
- Data submission semantics
- Data reference catalogue
- Online data validation



Thank you for your attention!

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