

**INTER-AMERICAN TROPICAL TUNA COMMISSION**

**102<sup>ND</sup> MEETING**

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**IATTC-102 INF-D**

**SUMMARY OF DATA REPORTING PURSUANT TO  
RESOLUTION [C-03-05](#)**

This document provides a summary of data provision requirements pursuant to Resolution [C-03-05](#) and corresponding technical [specifications](#) according to the Director’s annual Memorandum REFs: 070-410 and 0088-410 sent to Commissioners and Heads of Delegations in 2024

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**EXECUTIVE SUMMARY**

Resolution [C-03-05](#) and its corresponding technical [specifications](#) provide information on requirements for data reporting of catch and effort from all vessels fishing for species under the purview of the Commission including tuna and tuna-like species as well as other species. The technical specifications underwent a formatting change in 2024 aimed at improving clarity and communication on data reporting requirements and are now posted directly to the IATTC’s website under the “Resources” tab and labeled “Reports and provision of data”. Recently, the staff reviewed resolution C-03-05 in [SAC-12-09](#) and concluded that the resolution—adopted over two decades ago in 2003 and pre-dating the Antigua Convention entering into force—needs updating to better align with the expansion of research under the Convention and IATTC’s inaugural Strategic Science Plan ([IATTC-93-06a](#)). At the 12<sup>th</sup> meeting of the SAC, a staff recommendation was adopted to hold a series of workshops planned and facilitated by the staff to revise resolution C-03-05 in consultation with CPCs, taking into consideration the elements presented in SAC-12-09 (see section B paragraph 3 in [SAC-12-16](#)). Subsequently, the first workshop was held virtually in 2023, focused on the industrial longline fishery, and a series of related documents have since been prepared in response to this recommendation ([WSDAT-01-01](#), [WSDAT-01-Rpt](#), [SAC-14 INF-J](#), [SAC-14 INF-Q](#), [SAC-15 INF-R](#), [IATTC-102-04](#)). Upon review of C-03-05 through the various documents prepared to date and review of data submitted to the IATTC pursuant to this resolution, the staff herein provide a summary of data reporting by CPCs, year and gear type (with a focus on gears other than purse seine, because logbook and/or observer data are already being collected) to note limitations and highlight the need for improving communication and data provision to the IATTC in response to C-03-05.

## **1. REQUIREMENTS OF DATA REPORTING, DEFINED IN [C-03-05](#) AND THE TECHNICAL SPECIFICATIONS**

For the purposes of this report, the staff use the [Regional Vessel Register](#) (RVR) to determine the number of vessels by CPC, gear type and length of vessel, where available. Purse-seine data are not considered the primary focus of this report, because logbook and/or observer data are collected for these vessels. The number of vessels included in this report is used to provide an indication of the level of missing data. For example, some CPCs have a large number of vessels on the RVR and therefore, a potential for greater quantities of missing catch data may exist, while other CPCs have few vessels on the RVR and therefore, lesser quantities of missing catch data may exist (Table 1). Unless otherwise specified, purse-seine data are not highlighted in this report.

Definitions of catch and effort statistics are provided in the technical [specifications](#) (Task I: paragraphs 2.1 and 2.2; Task II: paragraph 2.3) and are reiterated here for comprehensibility.

### **1.1. Task I catch statistics defined**

*“Task I catch statistics: Gross annual removals<sup>1</sup> (round weight of all fish caught or killed during fishing operations) and disposition (retained or discarded) of tuna and tuna-like species ([Table 1](#)), and other species ([Table 2](#)) taken in fisheries which capture tuna and tuna-like species in the Antigua Convention Area. If the data provided are nominal catches (round weight of retained catch when there is no information on discards), please note this when providing the data.”*

*“These catch data should be reported as round weight, in metric tons or in kilograms, by species, by year, gear and disposition (retained or discarded). If the round weights are estimated by conversion from processed or sampled weights or measurements, or by some other means, the method and the sample data used to obtain the estimates should be provided.”*

Tables 2a–c provide a summary of data reporting of annual Task I catches by CPC and gear for years 2018–2023.

### **1.2. Task I effort statistics defined**

*“Task I effort statistics: Fishing power (fleet) statistics. The number of fishing vessels, by gear, operating in the Antigua Convention Area in each calendar year should be reported.”* These data are not always provided by CPCs.

### **1.3. Task II catch and effort statistics**

*“Catch and effort statistics by area, gear, and species. Gross removals and disposition (retained or discarded) for each species, and the associated fishing effort, should be reported at the finest possible level of resolution as noted below, in metric tons or in kilograms. If the data provided are nominal catches, please note this when providing the data. If the round weights are estimated by conversion from processed or sampled weights or measurements, or by some other means, the method and the sample data used to obtain the estimates should be provided.”*

Table 3 summarizes the data reporting of Task II catch and effort by CPC and year, noting that these data have only been provided for large longline vessels.

### **1.4. Levels of Task II catch and effort statistics**

Level 1: *Operational (logbook) data: The IATTC staff collects operational data directly from the majority of purse-seine (PS) [and historically] pole-and-line (LP) vessels that fish for tunas in the Convention Area.*

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<sup>1</sup> [FAO, Coordinating Working Party on Fishery Statistics \(CWP\), Handbook of Fishery Statistics](#)

*The information that should be reported includes details of starting and ending position of sets, time gear set and retrieved, and other data which are specific to each gear and affect its efficiency, such as gear configuration (including, for longlines, total number of hooks fished, number of branch lines between floats, use of lightsticks, etc.), use of FADs or aircraft, and hook type. The catch for each operation should be reported by species, in both numbers and weight if available. Estimates of coverage rates by gear should be provided.”*

Level 2: 1°x1°-month aggregated data

Level 3: 5°x5°-month aggregated data (noting level 3 data are a minimum requirement per Resolution C-03-05).

### **1.5. Catch-at-size data**

Catch-at-size data are defined in the technical [specifications](#), paragraph 2.4 and reiterated here as a reminder of data requirements.

*“Lengths and weights of individual tunas and tuna-like fishes in the catch should be provided at the highest spatial-temporal resolution possible (i.e. Level 1 if known). Type of measurement and condition of the fish should be noted for each measurement. When catch and effort data are reported at Level 2 or 3, catch-at-size data should be reported by gear, area, and month as well, if possible. In all cases, catch-at-size data should be reported at the finest resolution possible. Details of the design of the sampling program should be provided.”*

## **2. POTENTIAL CONSIDERATIONS FOR IMPROVING DATA PROVISION**

### **2.1. Update Resolution C-03-05**

The staff have been recommending CPCs, in consultation with IATTC staff as needed, work towards updating Resolution C-03-05 ([SAC-12-09](#), [SAC-12-16](#), [WSDAT-01-01](#), [WSDAT-01-Rpt](#), [SAC-14 INF-Q](#), [SAC-14-14](#), [SAC-14-16](#), [SAC-15 INF-R](#), [SAC-15-13](#), [IATTC-102-04](#)). One potential option is to update the resolution for each gear type after concluding each data improvement workshop. Another option is to continue to include data reporting requirements in the same resolution (i.e., one resolution for all gear types). In either option, incorporating participant feedback from the workshops into any recommendations for updating the resolution is essential.

### **2.2. Improve options for data reporting**

Within the current recommendations by the staff, options for data reporting mechanisms may facilitate improvements in data provision as they aim to ease the data reporting responsibility for CPCs ([WSDAT-01-01](#), [SAC-14 INF-Q](#), [SAC-15 INF-R](#)) and include the staff developing, depending on the needs of each CPC:

1. standards, guidelines and templates of required data fields;
2. fixed digital templates of required data fields;
3. customized online forms or electronic reporting apps.

**TABLES**

**TABLE 1.** Number of vessels on IATTC’s [regional vessel register](#) (RVR) for each Member and Cooperating non-Member (CPC) and CPC abbreviation (abbr.) by gear type (abbreviation in parenthesis) as of 19 August 2024, noting the RVR is a ‘living’ resource on IATTC’s website and the number of vessels by CPC and gear type may have changed since the download date provided here.

CPC	CPC abbr.	Gillnet (GN)	Harpoon (HAR)	Longline (LL)	Multi-purpose (MO)	Pole-and-line (LP)	Purse seine (PS)	Recreational (RG)	Troll (LTL)
Canada	CAN								255
Chile	CHL	68	95	8	481				
China	CHN			428					
Colombia	COL						14		
Costa Rica	CRI			325					
EU(Germany)	EU (DEU)			1					
Ecuador	ECU			107		4	111		
EU (Spain)	EU (ESP)			62			4		
Guatemala	GTM			22					
Japan	JPN			165		38			
Korea	KOR			104					
Mexico	MEX			209		35	54		
Nicaragua	NIC			47			4		
Panama	PAN			130			20		
Peru	PER			2			16		
EU(Portugal)	EU (PRT)			13					
FRA (French Polynesia)	FRA (PYF)			91					
El Salvador	SLV			1			3		
Chinese Taipei	TWN			128					
United States	USA	8	17	155	372	37	33	188	683
Venezuela	VEN			1			17		
Vanuatu	VUT			26					

**TABLE 2a.** Status of reporting of Task I catch data per Resolution [C-03-05](#) and its corresponding technical [specifications](#), by Member and Cooperating non-Member (CPC) and corresponding CPC abbreviation (CPC abbr.) and year for purse-seine gear (PS). Colors: Green=CPC has reported Task I data in compliance with C-03-05; Yellow=Pending (i.e., CPC has indicated they will send Task I data); Grey=Not reporting data.

CPC	CPC abbr.	Status of reporting of Task I PS data					
		2018	2019	2020	2021	2022	2023
Colombia	COL	Green	Green	Green	Green	Green	Green
Ecuador	ECU	Green	Green	Green	Green	Green	Green
EU (Spain)	EU (ESP)	Green	Green	Green	Green	Green	Green
Mexico	MEX	Green	Green	Green	Green	Green	Green
Nicaragua	NIC	Green	Green	Green	Green	Green	Green
Panama	PAN	Green	Green	Green	Green	Green	Green
Peru	PER	Green	Green	Green	Green	Green	Green
El Salvador	SLV	Green	Green	Green	Green	Green	Green
United States	USA	Green	Green	Green	Green	Green	Green
Venezuela	VEN	Green	Green	Green	Green	Green	Green

**TABLE 2b.** Status of reporting of Task I catch data per Resolution [C-03-05](#) and its corresponding technical [specifications](#), by Member and Cooperating non-Member (CPC) and corresponding CPC abbreviation (CPC abbr.) and year for longline gear (LL). Colors: Green=CPC has reported Task I data in compliance with C-03-05; Yellow=Pending (i.e., CPC has indicated they will send Task I data); Grey=Not reporting data.

CPC	CPC abbr.	Status of reporting of Task I LL data					
		2018	2019	2020	2021	2022	2023
Chile	CHL						
China	CHN						
Costa Rica	CRI						
EU (Germany)	EU (DEU)						
Ecuador	ECU						
EU (Spain)	EU (ESP)						
Guatemala	GTM						
Japan	JPN						
Korea	KOR						
Mexico	MEX						
Nicaragua	NIC						
Panama	PAN						
Peru	PER						
EU (Portugal)	EU (PRT)						
FRA (French Polynesia)	FRA (PYF)						
El Salvador	SLV						
Chinese Taipei	TWN						
United States	USA						
Venezuela	VEN						
Vanuatu	VUT						

**TABLE 2c.** Status of reporting of Task I catch data per Resolution [C-03-05](#) and its corresponding technical [specifications](#), by Member and Cooperating non-Member (CPC) and corresponding CPC abbreviation (CPC abbr.) and year for other gears (Artisanal, Gillnet, Harpoon, Multi-purpose, Pole and Line, Recreational, Trawler and Troll). Colors: Green=CPC has reported Task I data in compliance with C-03-05; Yellow=Pending (i.e., CPC has indicated they will send Task I data); Grey=Not reporting data.

CPC	CPC abbr.	Status of reporting of Task I data for other gears					
		2018	2019	2020	2021	2022	2023
Canada	CAN	Green	Green	Green	Green	Green	Green
Chile	CHL	Green	Green	Green	Green	Green	Green
Colombia	COL	Green	Green	Green	Green	Green	Green
EU (Germany)	EU (DEU)	Green	Green	Green	Green	Green	Green
Ecuador	ECU	Green	Green	Green	Green	Green	Green
Japan	JPN	Green	Green	Green	Green	Green	Green
Mexico	MEX	Grey	Grey	Grey	Grey	Grey	Grey
Nicaragua	NIC	Green	Grey	Grey	Grey	Grey	Grey
Peru	PER	Green	Green	Green	Green	Yellow	Green
FRA (French Polynesia)	FRA (PYF)	Green	Green	Green	Green	Green	Green
El Salvador	SLV	Green	Green	Green	Yellow	Yellow	Yellow
United States	USA	Green	Green	Green	Green	Green	Green

**TABLE 3.** Status of reporting of Task II catch and effort data per Resolution [C-03-05](#) and its corresponding technical [specifications](#), by Member and Cooperating non-Member (CPC) and corresponding CPC abbreviation (abbr.) and year. Colors: Green=CPC has reported Task II data in compliance with C-03-05; Yellow=Pending (i.e., CPC has indicated they will send Task II data); Blue=Waiting for an email response to questions regarding submitted data; Grey=Not reporting data. It is important to note this data has only been provided for large longline vessels, despite resolution C-03-05 explicitly mentioning “*all vessels fishing for species under the purview of the Commission*”. This may be a result of C-03-05 also stating catch data may be provided as “*annual totals*” for “*artisanal*” and “*recreational*” gear, as “*artisanal*” has yet to be formally defined by the Commission.

CPC	CPC abbr.	Status of reporting of Task II data				
		2018	2019	2020	2021	2022
Canada	CAN	Green	Green	Green	Green	Green
Chile	CHL	Grey	Grey	Grey	Grey	Grey
China	CHN	Green	Green	Green	Green	Green
Colombia	COL	Green	Green	Green	Green	Green
Costa Rica	CRI	Green	Green	Green	Green	Green
EU (Germany)	EU (DEU)	Green	Green	Green	Green	Green
Ecuador	ECU	Grey	Grey	Grey	Grey	Grey
EU (Spain)	EU (ESP)	Green	Green	Green	Green	Green
Guatemala	GTM	Green	Green	Green	Green	Green
Japan	JPN	Green	Green	Green	Green	Green
Korea	KOR	Green	Green	Green	Green	Green
Mexico	MEX	Grey	Grey	Grey	Grey	Grey
Nicaragua	NIC	Green	Green	Green	Green	Green
Panama	PAN	Green	Green	Green	Green	Green
EU (Portugal)	EU (PRT)	Green	Green	Green	Green	Green
FRA (French Polynesia)	FRA (PYF)	Green	Green	Green	Green	Green
El Salvador	SLV	Green	Green	Green	Green	Green
Chinese Taipei	TWN	Green	Green	Green	Green	Green
United States	USA	Green	Green	Green	Green	Green
Venezuela	VEN	Green	Green	Green	Green	Green
Vanuatu	VUT	Green	Green	Green	Green	Blue