

**5th Scientific Committee of the Southern Indian Ocean Fisheries Agreement
(April – July 2020)**

2018 Catch and Effort data summary and submission status

Related to agenda item 5.3

info paper

SIOFA Secretariat

Abstract

This paper summarizes the provision of the 2018 catch and effort data by CCPs to be provided under CMM 2019/02 requirements.

The Secretariat assessed the quality of the submission using a score grid from 0 to 10.

Introduction

This paper focuses on the 2019 catch and effort data submission of the SIOFA CCP fishing activities performed in 2018. The data submitted this year has not been yet analysed by the Secretariat.

The objective is to summarize each CCP submission and assess its quality and compliance against CMM 2019/02 requirements. Only the vessels' catch-and-effort requirements are summarized here. Please refer to *paragraph 6* and *annex A* of CMM 2019/02 to have the full requirements of this submission as adopted by the Meeting of the Parties.

Annual catch summaries and observer data submission are not part of this report.

In 2018, 3 CCPs notified the Secretariat of no fishing: Korea (KOR), Seychelles (SYC) and Thailand (THA). The 7 CCPs that fished are required to provide the data to the Secretariat in accordance with CMM 2019/02, namely: Australia (AUS), Comoros (COM), Cook Islands (COK), European Union (EU), France Territories (FR-OT), Japan (JPN) and Mauritius (MUS).

CCPs that entered the agreement after 2018 are not included in this report.

Method

The datasets provided to the Secretariat under CMM 2018/02, vessels catch and effort requirements have been assessed using the colours and rating grid below. Details on each rating is provided within the CCP summary.

compliance rate colour codes	
fully compliant with the CMM	Green
not fully compliant, data still usable to do some SC works	Yellow
some info provided, not enough for conducting proper SC work	Orange
no info provided, non-compliant	Red

All data fields required in the CMM have not been listed to avoid a too complex and cumbersome report. The Data Manager chose to group the data requirements into several categories listed in the table below.

Categories and description

Vessel id	information about the identity of the fishing vessels
Time resolution	fishing operations time accuracy, operations aggregation over a period
Spatial accuracy	spatial accuracy of the data provided, data aggregation on a geographic grid
Gear details	provision of fully detailed fishing gears specifications
Effort details	provision of effort (fishing hours, hooks number, etc.)
Depth	fishing depth
Species	Species details (species identification accuracy)
Retained catches	information on retained catch
Discarded catches	information on discarded catch
Benthos (VME) bycatch	information on bycatch of benthos (and VME taxa)

Birds/Mammals bycatch	information on bycatches of birds and mammals.
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Note:

- No cross verification of the data consistency has been done in this document.
- The on-board scientific observer data submissions are not summarized here (they are part of another SC5 paper).

Summary

AUSTRALIA

A short longline trip was made by Australia in 2018.

Category	data status	
Vessels id	provided	10
Time resolution	time of each operation	10
Spatial accuracy	minute	8
Gear details	provided	10
Effort details	provided	10
Depth	collected but not provided	0
Species	a few species provided at a higher taxonomic level than species especially in discards	9
Retained catches	provided	10
Discarded catches	provided	10
Benthos bycatch	no info provided*	10
Birds & mammals' bycatch	no info provided*	10

* the reason these data have not been provided is because there is no (0) observation

COMOROS

Comoros provided the Secretariat with image scans of handwritten vessel logbooks. The Secretariat cannot process such files and considers this as a non-provision.

Category	data status	
Vessels id	not provided	0
Time resolution	not provided	0
Spatial accuracy	not provided	0
Gear details	not provided	0
Effort details	not provided	0
Depth	not provided	0
Species	not provided	0
Retained catches	not provided	0
Discarded catches	not provided	0
Benthos bycatch	not provided	0
Birds/Mammals	not provided	0

COOK IS

Cook provided a big set of data corresponding to the activities of two trawler vessels. The main issue is that the fishing operations are aggregated over one day. No haul by haul data has been provided

Category	data status	
Vessels id	provided	10
Time resolution	day	6
Spatial accuracy	1° grid	4
Gear details	not provided*	0
Effort details	number of trawl shots only	4
Depth	not provided	0
Species	provided, other has been used to group other species	7
Retained catches	provided (with the process state)	10
Discarded catches	not provided*	0
Benthos bycatch	not provided*	0
Birds/Mammals	no info provided	0

* information provided within observer data submission

EU-SPAIN

EU Spain provided data from 2 longliners activities, the datasets matched the template format.

Category	data status	
Vessels id	provided	10
Time resolution	day	6
Spatial accuracy	minute + 1 decimal	9
Gear details	no info provided	0
Effort details	hooks number	10
Depth	provided	10
Species	provided, some high-level taxa used	9
Retained catches	provided	10
Discarded catches	provided	10
Benthos bycatch	provided	10
Birds/Mammals	no info provided	0

FRANCE - Overseas Territories

France territories had only 2 days of fishing from one vessel.

Category	data status	
Vessels id	provided	10
Time resolution	haul date-time	10
Spatial accuracy	decimal degree	10
Gear details	only bait provided	4
Effort details	hooks number	10
Depth	provided	10
Species	provided	10
Retained catches	provided	10
Discarded catches	assumed NIL	10
Benthos bycatch	no info provided (provided in observer report)	0
Birds/Mammals	no info provided	0

JAPAN

Only trawl operation reported in 2018. No tow-by-tow data provided: aggregation per day and per 30 minutes square

Category	data status	
Vessels id	provided	10
Time resolution	haul aggregated by day	6
Spatial accuracy	hauls aggregated by 30' square	4
Gear details	mesh size provided	6
Effort details	tow duration	10
Depth	provided	10
Species	provided + usage of other demersal species + others	9
Retained catches	provided (quintal unit used !)	10
Discarded catches	not provided	0
Benthos bycatch	no info provided	0
Birds/Mammals	no info provided	0

MAURITIUS

Nothing provided. The Secretariat cannot tell whether it is a NIL fishing or a no-submission.

Category	data status	
Vessels id	no info provided	0
Time resolution	no info provided	0
Spatial accuracy	no info provided	0
Gear details	no info provided	0
Effort details	no info provided	0
Depth	no info provided	0
Species	no info provided	0
Retained catches	no info provided	0
Discarded catches	no info provided	0
Benthos bycatch	no info provided	0
Birds/Mammals	no info provided	0

All country summary for vessel catch and effort data categories submission

data categories	AUS	COM	COK	EU	Fr-OT	JPN	MUS
Vessels id	10		10	10	10	10	0
Time resolution	10		6	6	10	6	0
Spatial accuracy	8		4	9	10	4	0
Gear details	10		0*	0	4	6	0
Effort details	10		4	10	10	10	0
Depth	0		0	10	10	10	0
Species	9		7	9	10	9	0
Retained catches	10		10	10	10	10	0
Discarded catches	10		0*	10	10	0	0
Benthos bycatch	10		0*	10	0*	0	0
Birds/Mammals	10		0	0	0	0	0

Notes

Cook Islands: Some missing data (*) has been provided within the observer data submission. The CMM on data standards still requires to provide all catch and effort data (as detailed in Annex A).

Comoros: the CMM requires to provide the Secretariat with usable data using the standards described in the CMM (detailed in Annex A)

Mauritius: Mauritius did not provide any information in regards of its fishing activities in the SIOFA area in 2018. The Scientific Committee do not know if fishing occurred or not.

Since CMM 2019/01 requires to provide the Secretariat with observer data, there are several categories that are listed both in the observer data requirements and in the catch and effort requirements.

Clarification the proper source to be considered depending on the data requirement should be made. If both sources should be kept, then clarification that catch and effort data must be collected only by the industry and observer data by the scientific observer only.