

## **CMM 02-2017<sup>1</sup>**

### **Conservation and Management Measure on Standards for the Collection, Reporting, Verification and Exchange of Data**

With regard to the fishing vessels flying their flag and fishing for non-highly migratory fishery resources in the Convention Area,

#### **1. Data on fishing activities and the impacts of fishing**

Members and Cooperating non-Contracting Parties (Members and CNCPs) are to develop, implement and improve systems to:

- a) ensure that for each calendar year, Members and CNCPs collate annual catch totals raised to “live” weight for all species/species groups caught during that year, and that these are collated as described in Annex 13. Members and CNCPs will provide by the 30 September, their previous year’s (January to December) annual catch totals raised to “live” weight for all species/ species groups caught;
- b) ensure that data on fishing activities are collected from vessels according to the operational characteristics of each fishing method;
  - i. for trawling methods, Members and CNCPs are to collect the data described in Annex 1;
  - ii. for purse seining methods, Members and CNCPs are to collect the data described in Annex 2;
  - iii. for bottom long lining methods, Members and CNCPs are to collect the data described in Annex 3;
  - iv. for squid jigging, Members and CNCPs are to collect the data described in Annex 4;
  - v. for potting methods, Members and CNCPs are to collect the data described in Annex 5;
  - vi. for drop/dahn lining methods, Members and CNCPs are to collect the data described in Annex 6.
- c) ensure that data to assess the impacts of fishing on non-target and associated or dependent species are collected from vessels;
- d) ensure that data on landings and transshipment are collected from vessels according to Annexes 11 and 12 respectively;
- e) compile data on fishing activities and the impacts of fishing and provide these in a timely manner to the Secretariat of the South Pacific Regional Fisheries Management Organisation (SPRFMO) using the SPRFMO data submission templates. The data under this subparagraph will be used for the assessment and monitoring of stocks. Members and CNCPs will provide by the 30th June, their previous (January to December) year’s data on fishing activities and the impacts of fishing described in sections 1b) – 1d) above.

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<sup>1</sup> CMM 02-2017 (Data standards) supersedes CMM 4.02 (Data standards; 2016) and previously 3.02, 2.02 and 1.03

## 2. Observer Data

### a) Implementation of observer programmes

Members and CNCPs are to develop, implement and improve observer programmes to attain the following objectives:

- (i) To collect vessel information, effort and catch data for all fisheries and fished species in the Convention Area, including target, by-catch and associated and dependent species.
- (ii) To collect biological or other data and information relevant to the management of fishery resources in the Convention Area, as specified in these standards, or as identified from time to time by the Scientific Committee or through processes identified by the Commission.
- (iii) To collect relevant scientific information related to the implementation of the provisions of the Conservation and Management Measures (CMMs) adopted by the Commission.
- (iv) To collect representative data, including length-frequency and biological samples, across the Convention Area, distribution of fishing effort, seasons, fishing fleets and fleet types.

### b) Information and Data to be Collected

All national observer programmes operating in the Convention Area should provide the information in Annex 7 (Parts A to N). Observer information on SPRFMO managed species collected from landings, or from vessels while they are in port, may be collected and provided on a voluntary basis, by referring to part O of Annex 7.

### c) Data Provision

Observer data should be provided to the Secretariat of the SPRFMO in a standardised format, to be included in a SPRFMO Observer Database. Specifications and standards for observer data submissions are on the SPRFMO website. Until the Secretariat determines a change is needed, observer data will be submitted in Microsoft Excel format. Members and CNCPs will provide by 30 September, their previous (January to December) year's data.

### d) Annual Reporting

All SPRFMO Members and CNCPs should provide annual observer implementation reports, which should include sections covering: observer training, programme design and coverage, type of data collected, and any problems encountered during the year. These reports shall be adequate enough to allow the Compliance and Technical Committee, the Scientific Committee or the Commission to evaluate the implementation and effectiveness of observer programmes implemented under this standard.

### e) Maintenance of Confidentiality

The Secretariat of the SPRFMO is to compile and disseminate accurate and complete observer data to ensure that the best scientific evidence is available, while maintaining confidentiality where appropriate. In doing so, the Secretariat is to follow the procedures specified in Section 7.

## 3. ~~Vessel Monitoring System data~~

### ~~a) Implementation of Vessel Monitoring Systems (VMS)<sup>a</sup>~~

~~Members and CNCPs are to develop, implement and improve systems to:~~

- ~~i. Ensure that all of their vessels fishing in the Convention Area are fitted with fully operational Automatic Location Communicators (ALC) reporting back to the flag State.~~
- ~~ii. Ensure that ALC on their vessels remain operational, and report in accordance with this standard, at all times and in all areas while operational in the Convention Area.~~
- ~~iii. Maintain a record of all vessel position information reported while these vessels are operational in the Convention Area, such that this information may be used to document vessel activity in the Convention Area, and to validate fishing position information~~

<sup>a</sup> ~~Until the SPRFMO Commission VMS is implemented as specified in CMM 06-2017 (Commission VMS)~~

~~provided by those vessels.~~

~~b) Frequency and Accuracy of VMS Position Reports~~

~~Members and CNCPs are to ensure that:~~

~~i. VMS position reports are reported by each of their vessels:~~

~~1. at least once every two hours if fishing using benthic or benthopelagic trawling<sup>3</sup> or if operating within 20 nm of an EEZ boundary;~~

~~2. at least once every four hours in other circumstances<sup>4</sup>;~~

~~ii. all VMS position reports are made in accordance with the specification in paragraph (c) of this standard;~~

~~iii. under normal satellite navigation operating conditions, positions derived from the data reported are to be accurate to within 500<sup>5</sup>m.~~

~~c) Content of VMS Position Reports~~

~~Members and CNCPs are to ensure that all VMS position reports made by their vessels include at least the following information:~~

| <del>Category</del>            | <del>Data Element</del>                    | <del>Remarks</del>   |
|--------------------------------|--|--|
| <del>Vessel registration</del> | <del>Static unique vessel identifier</del> | <del>For example, country code followed by national vessel registration number</del> |
| <del>Activity detail</del>     | <del>Latitude</del>                        | <del>Position latitude (decimal degrees, to the nearest 0.01)</del>                  |
| <del>Activity detail</del>     | <del>Longitude</del>                       | <del>Position longitude (decimal degrees, to the nearest 0.01)</del>                 |
| <del>Message detail</del>      | <del>Date</del>                            | <del>Position date in UTC</del>  |
| <del>Message detail</del>      | <del>Time</del>                            | <del>Position time in UTC</del>  |

#### 4. Historical data

Members and CNCPs are to:

- a) collate pre-2007 data on fishing activities in the Convention Area and provide these to the Secretariat of the SPRFMO by 30 September 2007, in sufficient detail to facilitate effective stock assessment and in a format as close as is practical to that described in Annexes 1 - 6;
- b) because of the value of such data for stock assessments - at their discretion collate pre-2007 data on fishing activities by vessels flying their flag and fishing within areas under their national jurisdiction, and provide these to the Secretariat of the SPRFMO by 30 September 2007 in sufficient detail to facilitate effective stock assessment and in a format as close as is practical to that described in Annexes 1 - 6;
- c) collate pre-2008 vessel data and provide these to the Secretariat of the SPRFMO by 30 September 2007.

<sup>3</sup> Benthopelagic trawling is interpreted here to mean trawling with a mid-water net where the net has a likelihood of coming into contact with the seabed at any time during the trawling operation.

<sup>4</sup> As at February 2013 China has advised that it is not able to report more frequently than twice daily according to domestic regulation.

<sup>5</sup> 500 m should be adequate for scientific purposes but for compliance purposes a greater accuracy may be required.

## 5. Data verification

Members and CNCs are to ensure that fishery data are verified through an appropriate system. Members and CNCs are to develop, implement and improve mechanisms for verifying data, such as:

- a) position verification through vessel monitoring systems;
- b) scientific observer programmes to collect verification data on catch, effort, catch composition (target and non-target), discards and other details of fishing operations;
- c) vessel trip, landing and transshipment reports; and
- d) port sampling.

## 6. Data exchange

Members and CNCs are to report all data required by this measure to the Secretariat in accordance with the specifications and format described in Annex 8 of this measure, using the templates created by the Secretariat and stored on the SPRFMO website.

## 7. Maintenance of confidentiality

The Secretariat of the SPRFMO is to compile and disseminate accurate and complete statistical data to ensure that the best scientific evidence is available while maintaining confidentiality where appropriate. Specifically, the Secretariat is to:

- a) compile and disseminate the following “public domain” data:
  - i. data on fishing activities, aggregated by flag state and month and 1 degree by 1 degree areas, except in those cases where such data describes the activities of less than 3 vessels (in which case a lower resolution will be used);
  - ii. data for vessels authorised by Members and CNCs shall include current flag, name, registration number, international radio call sign, IHS-Fairplay (IMO) number, previous names, port of registry, previous flag, type of vessel, types of fishing methods, when built, where built, length, length type, moulded depth, beam, gross tonnage (and/or gross register tonnage), power of main engine(s), hold capacity, vessel authorisation start and end dates;
  - iii. the occurrence of bottom fishing within a 20 minute block (without specifying flag, any vessel identification, or measure of fishing effort).
- b) operate comprehensive and robust processes to maintain the confidentiality of the non-public domain data that Members and CNCs provide to it. These processes will be based on the ISO/IEC27002:2005 (updates ISO/IEC 17799:2005) international standard for information security management<sup>6</sup>. SPRFMO specific data security standards will be developed over time;
- c) compile and disseminate to Members and CNCs or their designates non-public domain data (being any data not described in 7(a)):
  - i. In response to a written request from Commission, for the purposes documented by the Commission; and
  - ii. In the absence of a written request from the Commission - only with the authorisation of the Participant(s) that originally provided that data.

These standards will be reviewed periodically to ensure that they are adequate for the current and foreseeable needs of the SPRFMO.

## 8. This measure replaces CMM 4.02 (Data standards; 2016).

**SECRETARIAT COMMENT: None of the Annexes changed and they are not included here**

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<sup>6</sup> [www.iso.org/iso/en/prods-services/popstds/informationsecurity.html](http://www.iso.org/iso/en/prods-services/popstds/informationsecurity.html)