



## **TECHNICAL AND COMPLIANCE COMMITTEE**

**Fourteenth Regular Session**

26 September – 2 October 2018

Majuro, Republic of Marshall Islands

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### **UPDATE ON CONSIDERATION OF MINIMISING DUPLICATIVE REPORTING AND ENHANCING ACCESSIBILITY OF SCIENTIFIC DATA BY THE SECRETARIAT**

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**WCPFC-TCC14-2018-17**

**13 September 2018**

#### **Paper prepared by the Secretariat**

#### **Purpose**

1. The purpose of this paper is to provide an update on the WCPFC14 tasks for the Secretariat, in consultation with SPC, to:
  - i) review the Commission's reporting requirements to minimize duplicative reporting by CCMs; and
  - ii) streamline the provision and accessibility of scientific data to the Commission as well as prioritise enhancement of the Commission's IMS in response to that review (WCPFC14 Summary report, paragraph 479).

#### **Background**

2. At WCPFC14 the Commission had noted that in submitting WCPFC14-2017-DP29, FFA member CCMs had provided an initial analysis and reiterated their view expressed during TCC13 that the essential scientific information already provided as operational level catch and effort data submissions earlier in the year must be recognised by the Commission as meeting their obligations to provide a number of required reporting obligations that are specified to be included in Annual Report Part 1. It was also expressed that rather than have CCMs submit duplicative information there must be improvements made to facilitate access to data that is already made available to the Commission (WCPFC14 Summary Report paragraph 478). A copy of WCPFC14-2017-DP29 is enclosed as **Annex A**.

#### **Discussion**

3. The Secretariat has discussed the matters set out in the WCPFC14 tasking with SPC-OFP colleagues during routine joint-planning for draft CMR preparation and for TCC14 meeting preparations. This matter has also been a standing agenda item during opportune occasions in the margins of various meetings held in 2018, with the FFA paper to WCPFC14 used as a reference document.

*Consideration of provision and access to scientific data by the Secretariat for compliance-related work*

4. There are presently a range of ways that the Secretariat and SPC-OFP collaborate to ensure access by the Secretariat to a range of scientific data products that are used by the Commission for compliance-related work. Specifically, for draft CMR preparations and TCC14 meetings, the Secretariat regularly receives or accesses a range of scientific-data products. These include:
  - a. Advance copies of a routine scientific data-based reports prepared by SPC-OFP related to scientific data holdings are provided during July for use in preparation of draft CMRs. These include:
    - i. Summary tables on past and current reporting year Scientific data submissions (SC14-ST-WP01);
    - ii. Summary tables on past and current reporting year ROP data submissions, and ROP observer coverage levels for longline and purse seine fisheries (SC14-ST-IP02);
    - iii. Catch and effort summary tables for tropical tuna CMM (SC14-MI-IP04); and
    - iv. Catch and effort summary tables for south Pacific albacore CMM (TCC14-IP).
  - b. Access to the OFP-DORADO reporting tool, that generates a range of annual catch estimates based on WCPFC catch and effort database and ROP observer database. This is also used for preparing the ROP bycatch summary tables that various CMMs require be included in the Annual Report on the ROP (TCC14-RP02); and
  - c. A periodic back-up file containing the latest ROP data, that is used by the Secretariat to generate and issue new alleged infringements in the WCPFC online compliance case file system and notify these to relevant CCMs.
5. The Secretariat in reviewing and use of these products through the draft CMR preparation and review process, as well as TCC14 meeting document preparations, may provide comments and observations to SPC-OFP colleagues for their consideration. The scientific data products maybe updated or revised before they are published in a range of SC14 papers, and may also be updated, if needed, and reissued for TCC14 and WCPFC15 as information papers.

*Consideration of duplicative reporting*

6. At WCPFC14, the Commission agreed to replace the multi-year list of obligations approved for evaluation by the Compliance Monitoring Scheme (WCPFC13 Summary Report, paragraph 476 and Attachment W), with a new list that would be reviewed through the CMS during 2018 (WCPFC14 Attachment V). In accordance with the decision from WCPFC14, the table below provides the list of the only Annual Report Part 1 reporting requirements that will be evaluated through the CMS this year (in the CMR covering 2017 activities):

<b>2009-06 Transshipment</b>	
CMM 2009-06 11	ii
CMM 2009-06 11	vii
<b>2011-04 Oceanic Whitetip sharks</b>	
CMM 2011-04 03	iii
CMM 2011-04 03	vii
<b>2013-08 Silky shark</b>	
CMM 2013-08 03	iii
CMM 2013-08 03	vii

7. The Secretariat notes that many Annual Report Part 1-related reporting obligations that had been included in the WCPFC13 multi-year list of obligations, were omitted from the list that the Commission approved at WCPFC14. The requirement for timely submission of Annual Report Part 1 was also omitted in the list approved at WCPFC14.
8. In addition to deciding on a reduced list of Annual Report Part 1-related reporting requirements being reviewed through the CMS, the Commission at WCPFC14 approved the establishment of intersessional working groups in 2018 with terms of reference that have some direct relevance to the above tasks:
  - a. *IWG Sharks (Intersessional Working Group to Progress the Development of a Draft Comprehensive Shark and Ray CMM)*: The tasks include *inter alia* to consolidate reporting requirements of the current shark CMMs, if possible, by for example removing references to reporting in Annual Report Parts 1 and 2 and aligning shark data reporting with other existing data reporting requirements without reducing information content. Virtual discussions in this IWG to date include differing points of view amongst the IWG participants about whether CMM 2011-04 03 and CMM 2013-08 03 provisions can or cannot be omitted from the comprehensive shark CMM, and whether these reporting requirements are covered in the submissions by CCMs of the latest *Scientific Data to be Provided to the Commission* decision.
  - b. *CMS-IWG (Intersessional Working Group on the Review of the Compliance Monitoring Scheme)*: The tasks are to facilitate consideration of the Report from the Independent Review of the Compliance Monitoring Scheme (due by March 2018) and develop a proposed Conservation and Management Measure for the Compliance Monitoring Scheme for consideration at WCPFC15. Discussions in this IWG to date have been largely focused on the formulation of a draft CMM for the CMS. In initial views expressed on the Independent Panels Report, a number of IWG participants expressed support for the Independent Panels recommendation that the “*Secretariat should consult with SPC to develop procedures to remove the requirement for duplicate data submissions.*” In the FFA proposal for a CMM on the CMS, they expressed that reducing duplicative reporting requirements will require a comprehensive review of all reporting obligations.

Both the CMS-IWG and IWG-Sharks deliberations are continuing through to WCPFC15 meeting. During TCC14 each IWG will provide intersessional activity reports under TCC14 Agenda 5.2 (a) and TCC14 Agenda 11.3 (b) respectively.

9. During SC14, in response to the consideration of the ERandEMWG3 report outcomes, SC14 adopted a recommendation that FFA, PNA Office, the Scientific Services Provider and WCPFC Secretariat jointly work on a project to review the Commission’s data needs and collection programmes (Project 93) (SC14 Outcomes document, paragraph 9). Further details on the proposed data needs and collection review, are provided in the below box. The scope of this project would seem to provide a suitable opportunity for the relevant agencies to work collaboratively in progressing work in partial fulfilment of the two WCPFC14 tasks in paragraph 1 above .

PROJECT 93	Review of the Commission’s data needs and collection programs
Objectives	To compare the Commission’s data needs against the programs and tools available to the Commission (including the potential for a WCPFC EM program).
Rationale	<p>There are several reasons for this review:</p> <ul style="list-style-type: none"> <li>• In the context of EM specifically, it is about answering the fundamental question “what data does EM need to collect and what will that data be used for?”. The EM/ER working group was not able to answer this question, and as a result did not make too much progress on specific objectives for a WCPFC EM program.</li> <li>• The review will also create efficiency in the Commission’s data programs by ensuring that there is no unnecessary duplication between data collection programs and that data is collected through the most appropriate program.</li> <li>• Improving the collection and verification of data will enhance the work of both the SC and the TCC.</li> <li>• It will promote synergy between the different programs by linking them so that there is a common understanding of the collection of primary data through one program and verification through another.</li> <li>• Lastly, it will be useful first step to review and reconsider monitoring programs required by the Commission, to allow additional data collection with high priority, with a proper balance of observers’ workload and safety,</li> </ul>
Assumptions	<ul style="list-style-type: none"> <li>• WCPFC is committed to continue development of a WCPFC EM program</li> <li>• This review is essentially an extension of the work described in the following two documents: <ul style="list-style-type: none"> <li>• Emery et al. (2018) <i>The use of Electronic Monitoring within tuna longline fisheries in the WCPO – implications for international data collection, analysis and reporting. WCPFC-2018-ERandEMWG3-IP04.</i></li> <li>• SPC-OFP (2018). <i>Outcomes from the Second Regional EM Process Standards Workshop (REMPS-2). WCPFC-2018-ERandEMWG3-IP02.</i></li> </ul> </li> </ul>
Scope	<p>The scope and activities included in the review are:</p> <ul style="list-style-type: none"> <li>• Summarise existing data and information needs of the commission including scientific data and information to support compliance functions.</li> <li>• Describe how current monitoring programs required by the Commission (e.g. logsheets, observers, VMS, transshipment and other vessel generated reports) are used to collect and/or verify the data and information needed by the Commission.</li> <li>• Specify data and monitoring gaps and identify priority areas where fishery monitoring requires improvement.</li> <li>• Define areas and roles where e-monitoring can be used to collect scientific data and verify data and information needed by the Commission, including whether there could/should be different areas of application.</li> </ul> <p>The focus of the mapping exercise will <b>not</b> be to undertake a detailed review of the adequacy or otherwise of specific data fields that have been developed for various WCPFC programs.</p>
Links to other work	<ul style="list-style-type: none"> <li>• This is an essential contribution to the consideration of a WCPFC EM program as it will assist to define the objective and data needs.</li> <li>• Outputs from this work will help the Commission to identify where electronic reporting could be implemented to support timely access to and use of data. May help to identify areas where</li> </ul>

	<p>Commission policies and procedures relating to monitoring programs and data may need refinement</p> <ul style="list-style-type: none"> <li>• It also has relevance to other WCPFC processes such as considering issues of transshipment management, CDS development and evolution of ER standards.</li> </ul>
Timeframe	<ul style="list-style-type: none"> <li>• Draft distributed intersessionally to all CCMs for their inputs before SC</li> <li>• Presented to SC15 and TCC15</li> <li>• Final version and recommendations to WCPFC16</li> </ul>
Budget	NIL. Work to be undertaken by SPC, FFA Secretariat and PNA Office and presented to SC and TCC by FFA members.
Additional considerations	Assistance from the WCPFC Secretariat would also be welcome and very useful, but will obviously be subject to existing workloads and availability.

10. In summary, there presently are a number of IWG discussions that are continuing and that are proposed, which seem to provide opportunity to further consider reducing duplicative reporting by CCMs, and to enhancing access to scientific data for Commission work. There is also some regular collaboration between the Secretariat and SPC-OFP that does enable access by the Secretariat to a range of scientific data products that are used by the Commission for compliance-related work, specifically in draft CMR preparations and TCC14.

**Recommendation**

11. TCC14 is invited to note the update, and to provide further direction to the Secretariat and SPC-OFP on these WCPFC14 tasks as may be appropriate.



**COMMISSION  
FOURTEENTH REGULAR SESSION  
Manila Philippines  
3 – 7 December 2017**

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**FFA MEMBERS' VIEWS ON DUPLICATE REPORTING**

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**WCPFC14-2017-DP29  
06 December 2017**

**Proposal by FFA member CCMs**

## **FFA MEMBERS' VIEWS ON DUPLICATE REPORTING**

As advised in our FFA Delegation Paper 6, essential scientific information is already provided in April each year in response to obligations under the Scientific Data rules. The same data is required to be provided as part of the information for the Annual Report Part 1 by a specific deadline. Some FFA Members have been rated Non-Compliant for having missed this reporting deadline despite having already submitted the same information in April.

At TCC13, FFA Members proposed that the essential scientific information already provided earlier in the year must be recognised as meeting the obligation to provide such data. In addition, there must be improved access to data already made available to the Commission.

Submitting duplicative information is unnecessary, as well as burdensome on small SIDS administrations.

Hence, we propose that the Commission make a decision at this meeting as follows:

- (i) to task the Secretariat, in consultation with SPC, to review the Commission's reporting requirements to minimise duplicate reporting by CCMs, with a particular focus on streamlining the provision and accessibility of scientific data to the Commission, as well as to prioritise the enhancement of the Commission's information management system in response to that review, and report back to WCPFC15;
- (ii) that CCMs will not be assessed for the submission of the Annual Report Part 1 in 2018, noting the work that is required to streamline such data under paragraph (i). Nonetheless, CCMs recognise that there is still an obligation to submit the Annual Report Part 1, and that this is linked to TCC's efforts to minimise verbal reports to the CMR process.

We have undertaken an initial analysis with SPC on what needs to be streamlined in the Annual Report Part 1 (attached) to assist the WCPFC Secretariat with that task.

**The Commission for the Conservation and Management  
of Highly Migratory Fish Stocks in the Western and Central Pacific Ocean**

**Scientific Committee  
Fourth Regular Session**

**Port Moresby, Papua New Guinea  
11–22 August 2008**

**ANNUAL REPORT TO THE COMMISSION  
PART 1: INFORMATION ON FISHERIES, RESEARCH AND STATISTICS**

**Purpose:** To provide relevant information to the Commission on fishing activities of CCMs and cooperating non-CCMs, including management and compliance issues. The report should include all fishing activities for highly migratory species being undertaken within the Convention Area as required by the Convention and decisions by the Commission.

**PART 1. INFORMATION ON FISHERIES, RESEARCH AND STATISTICS**  
(Summary information for the previous year, complementary to data submitted<sup>1</sup>)

**Part 1 of the Annual Report is due one-month prior to the annual regular session of the Scientific Committee.**

**Part 1 of the Annual Report shall include the following, completed box at the front of the report.**

Scientific data was provided to the Commission in accordance with the decision relating to the provision of scientific data to the Commission by 30 April 2xxx	[answer YES or NO]
If no, please indicate the reason(s) and intended actions:	

**ANNUAL FISHERIES INFORMATION**

**Essential information**

***NB: from 2018, scientific data provided to the Commission, listed in the tables below will be presented to the SC by the WCPFC Scientific Services Provider.***

I	Annual catch and effort by primary species and gear in the WCPFC Convention Area	Previous calendar year (x-1) and previous 4 years (x-2 to x-5)
II	Number of vessels by gear type and size (fleet structure)	Previous calendar year (x-1) and previous 4 years (x-2 to x-5)
III	Fishing patterns (catch by time/area)	Previous year; comparisons with earlier years

<sup>1</sup> Catch/effort and scientific data in un-aggregated form supplied separately to the Commission in accordance with Scientific Data to be provided to the Commission.



IV	Estimated total catches of non-target, associated and dependent species (if available)	Previous calendar year; other years if available
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#### **Useful information**

V	Developments/trends in the fishery (changes in fishing patterns, fleet operations, target species, level of transshipment, etc.)
VI	Associated socioeconomic factors (which may influence or explain the above trends)
VII	Disposal of catch (fresh/frozen/other)/market destination (export/domestic)
VIII	Onshore developments (processing plants, support facilities, etc.)
IX	Future prospects of the fishery (long term viability, expansion/contraction, etc.)

#### **RESEARCH AND STATISTICS**

X	Summary of observer and port sampling programmes (scientific data)
XI	Research activities (tunas, other species, species of special interest, oceanographic influences, etc.)
XII	Statistical data collection systems in use (describe)
XIII	Data coverage of catch, effort and size data for all species

## Annex 1. Suggested layout for PART 1 of the Annual Report to the Commission

Section	Sections in Annual Report
1*	<b>ABSTRACT/SUMMARY</b> ... for inclusion in the SC summary report
2*	<b>Tabular Annual Fisheries Information</b> (see below)
3	<b>Background</b> ...for example, a brief historical description of national fisheries in the WCPFC Convention Area
4*	<b>Flag State Reporting</b> ...describe recent activities by national fleets (by gear type) in the Convention Area, including development/trends in each fishery (e.g. changes in fishing patterns, fleet operations, target species, trends in size composition, etc.)
5	<b>Coastal State Reporting</b> ...describe recent activities by foreign and domestic fleets in the waters of national jurisdiction, including development/trends in each fishery (e.g. changes in fishing patterns, fleet operations, target species, trends in size composition, etc.)
6	<b>Socio-economic factors</b> Associated socioeconomic factors (which may influence or explain the above trends)
7	<b>Disposal of catch</b> Disposal of catch (fresh/frozen/other)/market destination (export/domestic)
8	<b>Onshore developments</b> Onshore developments (processing plants, support facilities etc)
9	<b>Future Prospects of the fishery</b> Future prospects of the fishery (long-term viability, expansion/contraction, etc.)
10	<b>Status of tuna fishery data collection systems</b> <ol style="list-style-type: none"> <li>a. Logsheet data collection and verification</li> <li>b. Observer programme</li> <li>c. Port sampling programme</li> <li>d. Unloading/Transshipment</li> <li>e. Other</li> </ol>
11	<b>Research activities covering target and non-target species</b> ...for example, biological studies supporting stock assessments; composition of the catch according to length, weight and sex; research on environmental factors, abundance/biomass surveys, oceanographic and ecological studies, etc.

\* Essential information

**Tabular Annual Fisheries Information - [national fleet], for years [x-5] to [x-1]**

**NB: From 2018, scientific data provided to the Commission listed in the tables below will be presented to the SC by the WCPFC Scientific Services Provider.**

The following table shows the suggested captions for the tables and figures required in Annual Report Part 1 covering Annual Fisheries Information.

<b>Suggested Table / Figure caption</b>	
Table 1.	Annual catch and effort estimates for the <b>[National fleet]</b> , by gear and primary species, for the WCPFC Convention Area and [other broad ocean area], for years [x5] to [x-1].
Figure 1	Historical annual catch for the <b>[National fleet]</b> , by gear and primary species, for the WCPFC Convention Area presented as a line graph.
Figure 2	Historical annual vessel numbers for the <b>[National fleet]</b> , by gear for the WCPFC Convention Area presented as a line graph
Table 2.	Number of <b>[National fleet]</b> vessels, by gear and size category, active in the WCPFC Convention Area, for years [x-5] to [x-1].
Figure 3	Annual distribution of target species catch and effort by the <b>[National fleet]</b> active in the WCPFC Convention Area, for years [x-5] to [x-1].
Table 3.	Observed annual estimated catches of species of special interest (seabird, turtle and marine mammals) by gear for the <b>[National fleet]</b> , in the WCPFC Convention Area, for years [x-5] to [x-1] to the extent available.
Table 4.	Annual estimated catches of non-target, associated and dependent species, including sharks, by the <b>[National fleet]</b> , by gear and species, in the WCPFC Convention Area, for years [x-5] to [x-1] to the extent available.
Table 5.	Estimated annual coverage of operational catch/ effort, port sampling and observer data for the <b>[National fleet]</b> , by gear, active in the WCPFC Convention Area, by gear, for years [x-5] to [x-1].

**Notes**

1. The **[national fleet]** data must be broken down by gear. Gear includes, but is not limited to, longline, purse seine, pole-and-line, troll, handline, ringnet and driftnet, where relevant. Tables and Figures can be labelled with (a), (b), (c), etc. for each gear.
2. The “primary species” catch covered in Table 1 should include, but not limited to, the following species, by gear type:

longline	albacore, yellowfin, bigeye, pacific bluefin and skipjack tuna. black, blue and striped marlin. swordfish
purse seine	skipjack, yellowfin, bigeye, albacore and pacific bluefin tuna
pole-and-line	skipjack, yellowfin, bigeye, albacore and pacific bluefin tuna
troll	albacore, skipjack, yellowfin, bigeye and pacific bluefin tuna
handline	yellowfin, bigeye, skipjack and albacore tuna
[others]	albacore, skipjack, yellowfin and bigeye tuna

3. The catch estimates in Table 1 should be broken down by WCPFC Convention Area, depending on species, according to the section on “Annual Catch Estimates” contained in the document

“Scientific Data to be provided to the Commission”.

4. The vessel size classes by gear to be reported in Table 2 are defined in the section on “Number of vessels active” contained in the document “Scientific Data to be provided to the Commission”.

5. Table 4 should cover all species not included in Tables 1 and 3.




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## ADDENDUM TO ANNUAL REPORT PART 1

### Specific information to be provided in Part 1 as required by CMMs<sup>1</sup>

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**6 March 2017**

<b>CMM 2005-03</b> <b>[North Pacific Albacore], Para 4</b>	<p>All CCMs shall report annually to the WCPFC Commission all catches of albacore north of the equator and all fishing effort north of the equator in fisheries directed at albacore. The reports for both catch and fishing effort shall be made by gear type. Catches shall be reported in terms of weight. Fishing effort shall be reported in terms of the most relevant measures for a given gear type, including at a minimum for all gear types, the number of vessel-days fished.*</p> <p>[* footnote 1: The first such report shall be due on April 30th, 2006 and shall cover calendar year 2004. Small Island Developing States will make their best efforts to comply with this first reporting deadline.]</p> <p><i>* Note: WCPFC10 clarified that this reporting responsibility lies with the flag State</i></p>
<b>CMM 2006-04</b> <b>[South West striped Marlin], Para 4</b>	<p>In accordance with paragraph 1, CCMs shall provide information to the Commission, by 1 July 2007, on the number of their vessels that have fished for striped marlin in the Convention area south of 15°S, during the period 2000 – 2004, and in doing so, nominate the maximum number of vessels that shall continue to be permitted to fish for striped marlin in the area south of 15°S. CCMs shall report annually to the Commission the catch levels of their fishing vessels that have taken striped marlin as a bycatch as well as the number and catch levels of vessels fishing for striped marlin in the Convention Area south of 15°S.</p>
<b>CMM 2009-03</b> <b>[Swordfish], Para 8</b>	<p>CCMs shall report to the Commission the total number of vessels that fished for swordfish and the total catch of swordfish for the following:</p> <ol style="list-style-type: none"> <li>a. vessels flying their flag anywhere in the Convention Area south of 20°S other than vessels operating under charter, lease or other similar mechanism as part of the domestic fishery of another CCM;</li> <li>b. vessels operating under charter, lease or other similar mechanism as part of their domestic fishery south of 20°S; and</li> <li>c. any other vessels fishing within their waters south of 20°S.</li> </ol> <p>This information shall be provided in Part 1 of each CCM's annual report. Initially, this information will be provided in the template provided at Annex 2 for the period 2000-2009 and then updated annually.</p> <p><i>*Note: WCPFC11 confirmed a common understanding that "total catch" in this reporting requirement refers to both targeted and bycatch catches of swordfish.</i></p>
<b>CMM 2009-06</b> <b>[Transshipment], Para 11</b>	<p>CCMs shall report on all transshipment activities covered by this Measure (including transshipment activities that occur in ports or EEZs) as part of their Annual Report in accordance with the guidelines at Annex II. In doing so, CCMs shall take all</p>

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<sup>1</sup> Reporting requirements requested by CMMs and decisions by the Commission, as of WCPFC13 (Dec 2016). [This addendum shall be updated annually by the WCPFC Secretariat, as required.](#)

<p><b>(ANNEX II)</b></p>	<p>reasonable steps to validate and where possible, correct information received from vessels undertaking transshipment using all available information such as catch and effort data, position data, observer reports and port monitoring data.</p> <p style="text-align: center;">ANNEX II</p> <p style="text-align: center;">TRANSHIPMENT INFORMATION TO BE REPORTED ANNUALLY BY CCMs</p> <p>Each CCM shall include in Part 1 of its Annual Report to the Commission:</p> <p>(1) the total quantities, by weight, of highly migratory fish stocks covered by this measure that were transhipped by fishing vessels the CCM is responsible for reporting against, with those quantities broken down by:</p> <ul style="list-style-type: none"> <li>a. offloaded and received;</li> <li>b. transhipped in port, transhipped at sea in areas of national jurisdiction, and transhipped beyond areas of national jurisdiction;</li> <li>c. transhipped inside the Convention Area and transhipped outside the Convention Area;</li> <li>d. caught inside the Convention Area and caught outside the Convention Area;</li> <li>e. species;</li> <li>f. product form; and</li> <li>g. fishing gear used</li> </ul> <p>(2) the number of transhipments involving highly migratory fish stocks covered by this measure by fishing vessels that is responsible for reporting against, broken down by:</p> <ul style="list-style-type: none"> <li>a. offloaded and received;</li> <li>b. transhipped in port, transhipped at sea in areas of national jurisdiction, and transhipped beyond areas of national jurisdiction;</li> <li>c. transhipped inside the Convention Area and transhipped outside the Convention Area;</li> <li>d. caught inside the Convention Area and caught outside the Convention Area; and</li> <li>e. fishing gear.</li> </ul>
<p><b>CMM 2010-07 [Sharks], Para 4</b></p>	<p>Each CCM shall include key shark species*, as identified by the Scientific Committee, in their annual reporting to the Commission of annual catch and fishing effort statistics by gear type, including available historical data, in accordance with the WCPF Convention and agreed reporting procedures. CCMs shall also report <u>annual retained and discarded catches in Part 2</u> of their annual report. CCMs shall as appropriate, support research and development of strategies for the avoidance of unwanted shark captures (e.g. chemical, magnetic and rare earth metal shark deterrents).</p> <p>*footnote 2: The key shark species are blue shark, silky shark, oceanic whitetip shark, mako sharks, and thresher sharks, porbeagle shark (south of 20°S, until biological data shows this or another geographic limit to be appropriate) and hammerhead sharks (winghead, scalloped, great, and smooth).</p> <p>*Note; Whale Sharks (<i>Rhincodon typus</i>) was included as a key shark species by WCPFC9 (2012)</p>
<p><b>CMM 2011-03 [Impact of PS fishing on cetaceans], Para 4</b></p>	<p>CCMs shall include in their Part 1 Annual Report any instances in which cetaceans have been encircled by the purse seine nets of their flagged vessels, reported under paragraph 2(b).</p>

<b>CMM 2011-04</b> <b>[Oceanic whitetip sharks],</b> <b>Para 3</b>	CCMs shall estimate, through data collected from observer programs and other means, the number of releases of oceanic whitetip shark, including the status upon release (dead or alive), and report this information to the WCPFC in Part 1 of their Annual Reports.																																										
<b>CMM 2012-04</b> <b>[Whale sharks],</b> <b>Para 06</b>	CCMs shall advise in their Part 1 Annual Report of any instances in which whale sharks have been encircled by the purse seine nets of their flagged vessels, including details required under paragraph 4(b).																																										
<b>CMM 2012-07</b> <b>[Seabirds], Para 9</b> <i>Applies until 1 Jan 2017 (see CMM 2015-03 below)</i>	CCMs shall annually provide to the Commission, in Part 1 of their annual reports, all available information on interactions with seabirds reported or collected by observers, including mitigation used, observed and reported species specific seabird bycatch rates and numbers, to enable the Scientific Committee to estimate seabird mortality in all fisheries to which the WCPFC Convention applies. See Annex 2 for Part 1 reporting template guideline. Alternatively, statistically rigorous estimates of species-specific seabird interaction rates (for longline, interactions per 1,000 hooks) and total numbers should be reported.																																										
<b>CMM 2013-08</b> <b>[Silky sharks],</b> <b>Para 3</b>	CCMs shall estimate, through data collected from observer programs and other means, the number of releases of silky shark caught in the Convention Area, including the status upon release (dead or alive), and report this information to the WCPFC in Part 1 of their Annual Reports.																																										
<b>Observer coverage</b> <b>(WCPFC 11 decision – para 484(b))</b>	<p>CCMs are to compile and include in Annual Report Part 1 to be submitted from 2015 onwards, observer coverage for their longline fleet activity in the previous calendar year, noting that revisions can be provided at the annual TCC meeting.</p> <p>A sample report format is provided as guidance to assist CCMs with reporting (WCPFC11 Summary Report Attachment L Table 4)</p> <table border="1"> <thead> <tr> <th rowspan="2">CCM Fleet</th> <th rowspan="2">Fishery</th> <th colspan="3">No. of Hooks</th> <th colspan="3">Days Fished</th> <th colspan="3">Days at Sea</th> <th colspan="3">No. of Trips</th> <th rowspan="2">See NOTE</th> </tr> <tr> <th>Total estimated</th> <th>Observed</th> <th>%</th> <th>Total estimated</th> <th>Observed</th> <th>%</th> <th>Total estimated</th> <th>Observed</th> <th>%</th> <th>Total estimated</th> <th>Observed</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>REPUBLIC OF KOREA</td> <td>Shrimp-water</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>23,632</td> <td>3,775</td> <td>16.4%</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	CCM Fleet	Fishery	No. of Hooks			Days Fished			Days at Sea			No. of Trips			See NOTE	Total estimated	Observed	%	Total estimated	Observed	%	Total estimated	Observed	%	Total estimated	Observed	%	REPUBLIC OF KOREA	Shrimp-water							23,632	3,775	16.4%				
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<b>CMM 2015-02</b> <b>[South Pacific Albacore] Para 4</b>	CCMs shall report annually to the Commission the annual catch levels taken by each of their fishing vessels that has taken South Pacific albacore, as well as the number of vessels actively fishing for South Pacific albacore, in the Convention area south of 20°S. Catch by vessel shall be reported according to the following species groups: albacore tuna, bigeye tuna, yellowfin tuna, swordfish, other billfish, and sharks. Initially this information will be provided for the period 2006-2014 and then updated annually. CCMs are encouraged to provide data from periods prior to these dates.																																										
<b>Commencing in reports that cover activities post-1 January 2017</b>																																											
<b>CMM 2015-03</b> <b>[Seabirds] Para 9</b>	CCMs shall annually provide to the Commission, in Part 1 of their annual reports, all available information on interactions with seabirds reported or collected by observers, including mitigation used, observed and reported species specific seabird bycatch rates and numbers, to enable the Scientific Committee to estimate seabird mortality in all fisheries to which the Convention applies. (see Annex 2 for Part 1 reporting template guideline). Alternatively, statistically rigorous estimates of species- specific seabird interaction rates (for longline, interactions per 1,000 hooks) and total numbers should be reported.																																										

**CMM 2012-07 / CMM 2015-03: [Seabirds]**

**Annex 2. Guidelines for reporting templates for Part 1 report related to seabird fishery interactions**

The following tables should be included in the Part 1 country reports, summarising the most recent five years.

**Table x: Effort, observed and estimated seabird captures by fishing year for [CCM] [South of 30°S; North of 23°N; or 23°N - 30°S<sup>1</sup>]. For each year, the table gives the total number of hooks; the number of observed hooks; observer coverage (the percentage of hooks that were observed); the number of observed captures (both dead and alive); the capture rate (captures per thousand hooks) and mitigation types used by the fleet.**

Year	Fishing effort				Observed seabird captures	
	Number of vessels	Number of hooks	Observed hooks	% hooks observed	Number	Rate <sup>2</sup>
2006						
2007						
2008						
2009						
2010						
2011						
2012						

<sup>1</sup> State North of 23°N, South of 30°S or 23°N - 30°S, for CCMs fishing in all areas provide separate tables for each;

<sup>2</sup> Provide as captures per one thousand hooks.

**Table y: Number of observed seabird captures in [CCM] longline fisheries, 2012, by species and area.**

Species	South of 30°S	North of 23°N	23°N - 30°S	Total
E.g. Antipodean albatross				
E.g. Gibson's albatross				
E.g. Unidentified albatross				
E.g. Flesh footed shearwater				
E.g. Great winged petrel				
E.g. White chinned petrel				
E.g. Unidentified				
<b>Total</b>				