

**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**

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

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**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**

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

<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.

**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**

<b>Section</b>	<b>Sections in Annual Report</b>
<b>1*</b>	<b>ABSTRACT/SUMMARY</b> ... for inclusion in the SC summary report
<b>2*</b>	<b>Tabular Annual Fisheries Information</b> (see below)
<b>3</b>	<b>Background</b> ...for example, a brief historical description of national fisheries in the WCPFC Convention Area
<b>4*</b>	<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.)
<b>5</b>	<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.)
<b>6</b>	<b>Socio-economic factors</b> Associated socioeconomic factors (which may influence or explain the above trends)
<b>7</b>	<b>Disposal of catch</b> Disposal of catch (fresh/frozen/other)/market destination (export/domestic)
<b>8</b>	<b>Onshore developments</b> Onshore developments (processing plants, support facilities etc)
<b>9</b>	<b>Future Prospects of the fishery</b> Future prospects of the fishery (long-term viability, expansion/contraction, etc.)
<b>10</b>	<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>
<b>11</b>	<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]

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

Suggested Table / Figure caption	
Table 1.	Annual catch and effort estimates for the [National fleet], by gear and primary species, for the WCPFC Convention Area and [other broad ocean area], for years [x-5] to [x-1].
Figure 1	Historical annual catch for the [National fleet], by gear and primary species, for the WCPFC Convention Area presented as a line graph.
Figure 2	Historical annual vessel numbers for the [National fleet], by gear for the WCPFC Convention Area presented as a line graph
Table 2.	Number of [National fleet] 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 [National fleet] 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 [National fleet], 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 [National fleet], 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 [National fleet], 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**

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

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**9 March 2016**

<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> <ul 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> </ul> <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>

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<sup>1</sup> Reporting requirements requested by CMMs and decisions by the Commission, as of WCPFC12 (Dec 2015)

<p><b>CMM 2009-06</b>  <b>[Transshipment],</b>  <b>Para 11</b>  <b>(ANNEX II)</b></p>	<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 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;"><b>ANNEX II</b></p> <p style="text-align: center;"><b>TRANSHIPMENT INFORMATION TO BE REPORTED ANNUALLY BY CCMs</b></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> <ol 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> </ol> <p>(2) the number of transshipments involving highly migratory fish stocks covered by this measure by fishing vessels that is responsible for reporting against, broken down by:</p> <ol 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> </ol>
<p><b>CMM 2010-05</b>  <b>[South Pacific</b>  <b>albacore], Para 4</b></p> <p><i>Applies until Feb 2016 (see CMM 2015-02 below)</i></p>	<p>CCMs shall report annually to the Commission the catch levels of their fishing vessels that have taken South Pacific Albacore as a bycatch as well as the number and catch levels of vessels actively fishing for South Pacific albacore in the Convention area south of 20°S. Initially this information will be provided for the period 2006-2010 and then updated annually.</p>

<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>																																										
<p><b>CMM 2011-04 [Oceanic whitetip sharks], Para 3</b></p>	<p>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.</p>																																										
<p><b>CMM 2012-04 [Whale sharks], Para 06</b></p>	<p>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).</p>																																										
<p><b>CMM 2012-07 [Seabirds], Para 9</b> <i>Applies until 1 Jan 2017 (see CMM 2015-03 below)</i></p>	<p>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 WCPF 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.</p>																																										
<p><b>CMM 2013-08 [Silky sharks], Para 3</b></p>	<p>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.</p>																																										
<p><b>Observer coverage (WCPFC 11 decision – para 484(b))</b></p>	<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<sub>2</sub></th> </tr> <tr> <th>Total estimated</th> <th>Observer</th> <th>%</th> <th>Total estimated</th> <th>Observer</th> <th>%</th> <th>Total estimated</th> <th>Observer</th> <th>%</th> <th>Total estimated</th> <th>Observer</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>REPUBLIC OF KOREA</td> <td>Distant-water</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>23,632</td> <td>1,575</td> <td>6.6%</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 <sub>2</sub>	Total estimated	Observer	%	Total estimated	Observer	%	Total estimated	Observer	%	Total estimated	Observer	%	REPUBLIC OF KOREA	Distant-water							23,632	1,575	6.6%				
CCM Fleet	Fishery			No. of Hooks			Days Fished			Days at Sea			No. of Trips				See NOTE <sub>2</sub>																										
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**CDS and Mass Balance Reconciliation Trial**

**(WCPFC 12 decision, para 532)**

**WCPFC12 Summary Report para 532**

The Commission accepted TCC11’s recommendations with the Secretariat’s proposed modifications to the 2016 Mass Balance Reconciliation tasking and adopted the report of the CDS-IWG (WCPFC12-2015-19c) and the 2016 CDS-IWG work plan (**Attachment T**).

**Excerpt from WCPFC12 Summary Report Attachment T**

The CDS-IWG agreed to

1. recommend that CCMs are encouraged to include in Annual Report Part 1, in standardized format, the information outlined in DP03 Table 1 and Table 2. For the purposes of the trial, CCMs are encouraged where available to include these tables (the information outlined in DP03 Table 1 and Table 2) related to the 2013 calendar year in their 2016 Annual Report Part 1 (so that there is at least one common year that can be the basis of the first trial MBR).

**Table 1 – Minimum requirements for Disposal of Species (Export and Domestic Market)**

Requirement	
Flag CCM	
Catch Location (CCM EEZ or WCPFC HS area )	
Destination (Domestic or Country)	
Gear Code	
Net weight (processed) kg	
Estimated whole weight	

**Table 2 - Receipt and Redistribution of Species (re-export and re-imports, transshipment activities to be considered as either export or import)**

Requirement	
Export year	
Export CCM or Domestic	
Import CCM	
Harvest year	
Gear code	
Net weight (processed) kg	
Estimated whole weight	

***Commencing in reports that cover activities post-1 January 2016***

**CMM 2015-02 [South Pacific Albacore] Para 4**

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.



***Commencing in reports that cover activities post-1 January 2017***

**CMM 2015-03  
[Seabirds] Para  
9**

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>				