



**COMMISSION**  
**EIGHTH REGULAR SESSION**  
Tumon, Guam, USA  
26-30 March 2012

---

**Agreement for the Provision of Scientific Services to the Commission - SPC**

---

**WCPFC8- 2011-IP-12**  
**28 March 2012**

## ANNEX I Agreement for the Provision of Scientific Services to the Commission and Assistance to Members by the Secretariat of the Pacific Community

### 1. Period Covered by this Agreement

The period covered by this Agreement is 1 January 2012 to 31 December 2012.

### 2. Scientific Services to be Provided

The scientific services to be provided to the Commission by the SPC OFP during the period of this Agreement are as follows:

Activity <sup>1</sup>	Description of Service	Specific Outputs	Timing	Performance <sup>2</sup>
<i>Core SPC services</i>				
<i>Data management, statistical analyses and related services</i>				
<b>i.</b> <b>(1,11,12)</b>	<b>Data Management</b>			
	1) Incorporate data provided by Members, Cooperating Non-Members and Participating Territories (CCMs) under the Commission's data provision policy into existing databases and facilitate access of Commission secretariat staff to those data as appropriate.	<ul style="list-style-type: none"> <li>• Databases updated and installed at WCPFC headquarters</li> <li>• Updated Catch/Effort (CES) and Regional Observer Programme (ROP) database query software installed at WCPFC headquarters</li> <li>• WCPFC Staff training as required</li> </ul>	January-December	
	2) Determine the status of the provision of scientific data to the Commission (CMM-2009-01, paragraphs 40-41)	<ul style="list-style-type: none"> <li>• SC / TCC papers</li> <li>• Continued refinement of the web-based utility to identify data gaps</li> </ul>	Mid-July and mid-Sept	

<sup>1</sup> Values in parentheses refer to the project numbers from the Work Programme for the Scientific Committee (WCPFC-SC6-2010-GN-WP-07)

<sup>2</sup> To be completed by SPC and WCPFC in November each year and provided as a paper to the Regular Session of the WCPF Commission and its appropriate subsidiary bodies (e.g. FAC)

<b>ii. (2,3,6)</b>	<b><i>Compilation of catch and effort estimates</i></b>			
	1) Compile estimates of annual catches by species, gear type and flag, as specified in the procedures for Scientific Data to be Provided to the Commission AND in support of the functions of the Commission and its subsidiary bodies	SC papers	Mid-July	
	2) Estimates of annual catches by vessel flag, EEZ, archipelagic waters, and IATTC/WCPFC overlap area for use in determining the catch component of the Commission's assessed contributions	Catch table provided to the Secretariat	Mid-Sept	
	3) For catches for which estimates are not otherwise available, conduct statistical analyses to estimate catches, particularly in regard to (a) purse-seine catches of bigeye, skipjack and yellowfin tuna, (b) discards of target tuna species, and (c) catches of non-target species	SC papers	Mid-July	
<b>iii. (5,7)</b>	<b><i>Data dissemination</i></b>			
	1) Produce and publish on the Commission's website the Tuna Fishery Yearbook, containing annual catch estimates by gear type, flag and species.	Yearbook published on WCPFC website	Dec	
	2) Disseminate public domain catch, effort and size data on the Commission's website at agreed level of resolution.		Jan - Dec	
<b>iv. (9,10)</b>	<b><i>Technical / policy advice</i></b>			
	1) Provide ad-hoc advice on science and data-related implications of relevant MCS activities, including, but not limited to: transshipment, the regional observer programme, port sampling, VMS, port state measures, and catch documentation schemes	Advice provided on request	Jan - Dec	
	2) Advice on data-related procedures of the Commission, e.g. Rules and Procedures for the Protection, Access to and Dissemination of Non-Public Domain Data and Information Compiled by the Commission, and " <i>Scientific Data to be Provided to the Commission</i> "	Advice provided on request	Jan - Dec	

	3) Provide support to coordination and collaboration on data-related matters between the ISC and WCPFC, including specific tables that show provisions of operational level catch and effort data for the North Pacific region from all CCMs (paragraph 477 of the SC6 Summary Report)	Advice provided on request	Jan - Dec	
<b>v. (8,14,15)</b>	<b><i>Support of other data-related projects of the Commission</i></b>			
	1) Participate in GEF-West Pacific East Asia Oceanic Fisheries Management (WPEA OFM) Project	<ul style="list-style-type: none"> <li>• Attending and facilitating WPEA OFM-related workshops and meetings. (Travel costs provided by WCPFC)</li> <li>• Training in fishery monitoring and data management</li> <li>• Technical support for the auditing of fishery monitoring and data management systems</li> <li>• Other advice and support as required</li> </ul>	Jan - Dec	

<i>Stock assessment and related analytical services</i>				
<b>vi. (22, 23, 24, 25, 31)</b>	<b><i>Target species stock assessments and auxiliary analyses</i></b>			

	1) Undertake stock assessments for target species as requested by the SC7 and the Commission, including exploration of sensitivity of stock assessment outcomes to structural assumptions in models and data issues, including the comparison of various stock assessment models.	<ul style="list-style-type: none"> <li>• Full assessments for South pacific albacore tuna, southwest Pacific striped marlin, and silky and oceanic whitetip sharks</li> <li>• SC papers</li> </ul>	Mid-July	
	2) Undertake analyses of longline catch and effort data, and data for other fishing gears where appropriate, including where appropriate operational-level data where possible, to construction of indices of stock target and non-target species	<ul style="list-style-type: none"> <li>• Analyses to be undertaken for South pacific albacore tuna, southwest Pacific striped marlin, and silky and oceanic whitetip sharks. Initial work commenced for blue and mako sharks in the south Pacific</li> <li>• SC papers or sections of assessment documents, as appropriate</li> </ul>	Mid-July	
	3) Make available stock assessment data and results files	<ul style="list-style-type: none"> <li>• Data and results files posted on SPC-OFP website, and link on WCPFC website</li> </ul>	Mid-July	
	4) Indicator papers for bigeye, yellowfin or skipjack tuna for those years when a stock assessment is not conducted	<ul style="list-style-type: none"> <li>• SC paper</li> </ul>		
	5) Possible production of stock status indicators for south pacific swordfish, noting that this may be confirmed at WCFPC8 when data available for this work may be better evaluated.	<ul style="list-style-type: none"> <li>• SC paper</li> </ul>		
<b>vii. (52)</b>	<b><i>Implementation of the shark research plan</i></b>			
	1) Other activities in support of the shark research plan such as participation in regional shark stock assessments or stock assessment research	<ul style="list-style-type: none"> <li>• SC paper</li> </ul>	Throughout the year	

<b>viii.</b> <b>(29, 32)</b>	<b><i>Model development and refinement</i></b>			
	1) Further refinement of the stock assessment model, MULTIFAN-CL, including simulation testing of new developments as appropriate and refinement of models for CPUE standardization.	<ul style="list-style-type: none"> <li>• Updated stock assessment modeling software and documentation posted on the MULTIFAN-CL website (also linked from WCPFC)</li> <li>• SC paper</li> </ul>	Mid-July	
<b><i>Management analyses and CMM performance monitoring</i></b>				
<b>ix.</b>	<b><i>Conservation and Management Measure performance monitoring</i></b>			
	1) CMM-2008-01 [CMM for bigeye and yellowfin tuna in the WCPO]: Provide available data, information, and advice for evaluating the impact of, and compliance with, the various provisions. This includes <sup>3</sup> : <ul style="list-style-type: none"> <li>- Provide advice on the appropriateness of the objectives of the measure given available stock assessment information (paragraphs 1 and 46)*</li> <li>- Provide an updated assessment of the expected impacts of the provisions of the measure with respect to its objectives (paragraphs 1 and 46) and with respect to impacts on skipjack tuna*</li> <li>- Provide relevant information and analysis concerning the implementation of the CMM, including purse seine effort, longline catches, other fishery catches, and characterization of purse seine fishing activities during the FAD closure*</li> </ul>	<ul style="list-style-type: none"> <li>• SC, TCC, and WCPFC papers</li> <li>• Tables and figures and required</li> </ul>	Mid-July (SC), Mid-Sept (TCC), and Mid-Nov (WCPFC)	
<b>x.</b> <b>(34, 57, 58, 63)</b>	<b><i>Analyses to support development of Conservation and Management Measures</i></b>			

<sup>3</sup> For evaluation of CMM2008-01, those items marked with an \* will be the basis of papers, whereas those items without will be in the forms of tables and other data extracts provided to the Secretariat

	1) Evaluate the potential impacts of existing, new or revised management measures for bigeye, yellowfin and skipjack tuna. Possible measures will be suggested through the Commission and/or meetings of its subsidiary bodies OR from CCMs communicated through the Executive Director OR through any inter-sessional consultative process established for this purpose.	SC, TCC, and WCPFC papers and ad hoc advice, as appropriate	Jan - Dec	
	2) Provide data and advice regarding the revision of other CMMs as requested.	SC and TCC paper	Mid-July and Mid-Sept	
<b><i>Other advisory and technical services</i></b>				
<b>xi.</b>	<b><i>Other advisory and technical services</i></b>			
	1) Hosting and participation in the Commission Independent Review of the bigeye tuna stock assessment.	Meeting participation and a SC response paper.	–May and mid-July	

### 3. Financial Support to be provided by the Commission

The financial support to be provided by the Commission to the SPC OFP for the services outlined in section 2 above is as follows:

<b>Item</b>	<b>Cost basis</b>	<b>USD</b>
Data management, stock assessment, and other advisory and technical services	Costs based on SPC costs of four scientific positions, administration costs, travel, and computer support.	792,000
<b>Total Commission funding</b>		<b>792,000</b>

### 4. Schedule for Payments and Bank Details for Payment

The schedule of payments shall be as follows:

8 March 2010 (or before)	USD 198,000
31 March 2010 (or before)	USD 198,000
30 June 2010 (or before)	USD 198,000
30 September 2010 (or before)	USD 198,000

<b>Name of Bank</b>	Banque de Nouvelle-Caledonie
<b>Address</b>	25 av Henri Lafleur Victoire, Noumea, New Caledonia
<b>Account name</b>	Secretariat General de la Communaute du Pacifique
<b>Account Number</b>	14889 00081 01461716025 31

**ESTIMATED BREAKDOWN OF SPC-OFF SCIENTIFIC SERVICE PROVISION COSTS 2012**

	<b>Staff costs</b>	<b>Consultants</b>	<b>Travel</b>	<b>TOTAL COST</b>	
<b>Data Management, Statistical Analyses &amp; Related Analyses</b>					
Data management	39,231	-	10,000	49,231	
Compilation of catch and effort estimates	120,396	-	-	120,396	
Data dissemination	11,209	-	-	11,209	
Technical / policy advice	57,297	-	-	57,297	
Support of other data-related projects of the Commission (WPEA-OFM)	26,110	-	-	26,110	
<b>TOTAL</b>	<b>254,242</b>	<b>-</b>	<b>10,000</b>	<b>264,242</b>	
<b>Stock Assessment and Related Analytical Services</b>					
Stock assessment - SP ALB and MLS	259,038	20,000	20,000	299,038	
Model development and refinement	121,379	70,000	-	191,379	
CMM performance monitoring	66,846	-	-	66,846	
Analyses to support development of CMMs	59,374	-	10,000	69,374	
<b>TOTAL</b>	<b>506,637</b>	<b>90,000</b>	<b>30,000</b>	<b>626,637</b>	
<b>Other Advisory and Technical Services</b>					
Miscellaneous	37,153	-	-	37,153	
<b>TOTAL</b>	<b>37,153</b>	<b>-</b>	<b>-</b>	<b>37,153</b>	
<b>Shark Assessment</b>					
Shark research plan collaboration	13,741	-	5,000	18,741	
Shark assessment	110,093	-	10,000	120,093	
<b>TOTAL</b>	<b>123,834</b>	<b>-</b>	<b>15,000</b>	<b>138,834</b>	
<b>Other</b>					
Project management	31,516	-	20,000	51,516	
<b>SUBTOTAL</b>	<b>953,382</b>	<b>90,000</b>	<b>75,000</b>	<b>1,118,382</b>	
<b>SPC management fee (15%)</b>	<b>143,007</b>	<b>13,500</b>	<b>11,250</b>	<b>167,757</b>	
<b>TOTAL</b>	<b>1,096,390</b>	<b>103,500</b>	<b>86,250</b>	<b>1,286,140</b>	
<b>WCPFC contribution</b>				<b>792,000</b>	<b>62%</b>
<b>Shortfall met by SPC</b>				<b>494,140</b>	<b>38%</b>