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## PROGRESS MADE ON THE RECOMMENDATIONS OF WPTT15

PREPARED BY: IOTC SECRETARIAT<sup>1</sup>, 15 OCTOBER 2014

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### PURPOSE

To provide an update on the progress made in implementing the recommendations from the previous Working Party on Tropical Tunas (WPTT15), which were endorsed by the Scientific Committee (SC), and to provide alternative recommendations for the consideration and potential endorsement by participants.

### BACKGROUND

The Rules of Procedure of the Scientific Committee include the following seven core tasks, which are to be supported by the various Working Parties.

- a) recommend policies and procedures for the collection, processing, dissemination and analysis of fishery data;
- b) facilitate the exchange and critical review among scientists of information on research and operation of fisheries of relevance to the Commission;
- c) develop and coordinate cooperative research programmes involving Members of the Commission in support of fisheries management;
- d) assess and report to the Commission on the status of stocks of relevance to the Commission and the likely effects of further fishing and of different fishing patterns and intensities;
- e) formulate and report to the sub-commission, as appropriate, on recommendations concerning conservation, fisheries management and research, including consensus, majority and minority views;
- f) consider any matter referred to by the Commission;
- g) to carry out other technical activities of relevance to the Commission.

### Process:

- 1) **WPTT** – At the 15<sup>th</sup> Session of the WPTT, participants agreed on a series of actions to be taken by participants, CPCs, and the IOTC Secretariat on a range of issues;
- 2) **SC** – The recommendations were considered by the SC in December 2013. At the SC16 meeting, the recommendations of the WPTT15 were either rejected or revised and then adopted as those of the SC;
- 3) **Commission** – The refined recommendations were then passed to the Commission for its consideration and possible endorsement.

### DISCUSSION

Noting the core tasks of the SC, and hence the WPTT, participants are reminded that any recommendations developed during a Session, must be carefully constructed so that each contains the following elements:

- 1) a specific action to be undertaken (deliverable);
- 2) clear responsibility for the action to be undertaken (i.e. a specific CPC of the IOTC, the Secretariat, another subsidiary body of the Commission or the Commission itself);
- 3) a desired time from for delivery of the action (i.e. by the next working party meeting, or other date).

The IOTC Secretariat has undertaken a review of the recommendations arising from the previous WPTT meeting and compared them against those endorsed by the SC [Appendix A](#). Any subsequent actions taken by the Commission at the most recent meeting have also been added to the Appendix. In cases where a recommendation is yet to be fulfilled, a proposal for consideration at the WPTT meeting has been provided.

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## RECOMMENDATION

That the WPTT **NOTE** the progress made in implementing the recommendations of the WPTT14 and consider the proposed draft revisions to those recommendations yet to be completed.

That the WPTT **AGREE** to the revised recommendations, and for these to be combined with any new recommendations arising from the WPTT15, noting that these will be provided to the SC for their endorsement.

That the WPTT:

- 1) **NOTE** paper IOTC–2014–WPTT16–06 which detailed the progress made in implementing the recommendations of the WPTT15, taking into consideration the recommendations from the SC and decisions of the Commission;
- 2) **AGREE** to consider and revise as necessary, the recommendations, and for these to be combined with any new recommendations arising from the WPTT16, noting that these will be provided to the SC for their endorsement.

## APPENDICES

[Appendix A](#): Progress made on the recommendations of WPTT15.

## APPENDIX A

### Progress made on the recommendations of WPTT15

WPTT15 Rec. No.		SC16 Rec. No.	Recommendation adopted by the SC16	Endorsed at S18	Commission response / suggestions for consideration at WPEB10
WPTT15.01 ( <a href="#">para. 2</a> )	<p><b>Meeting participation fund</b></p> <p><b>NOTING</b> that the IOTC Meeting Participation Fund (MPF), adopted by the Commission in 2010 (Resolution 10/05 <i>On the establishment of a Meeting Participation Fund for developing IOTC Members and non-Contracting Cooperating Parties</i>), was used to fund the participation of 10 national scientists to the WPTT15 meeting (8 in 2012), all of which were required to submit and present a working paper at the meeting, the WPTT <b>RECOMMENDED</b> that this fund be maintained into the future.</p>	SC16.54 ( <a href="#">para. 133, 134</a> )	<p><b>Meeting participation fund</b></p> <p><b>NOTING</b> that the IOTC Meeting Participation Fund (MPF), adopted by the Commission in 2010 (Resolution 10/05 <i>On the establishment of a Meeting Participation Fund for developing IOTC Members and non-Contracting Cooperating Parties</i>), was used to fund the participation of 58 national scientists to the Working Party meetings and SC in 2013 (42 in 2012), all of which were required to submit and present a working paper at the meeting, the SC strongly <b>RECOMMENDED</b> that this fund be maintained into the future. The MPF is currently funded through accumulated IOTC budgetary funds and voluntary contributions by CPCs. The Commission may need to develop and implement a procedure for supplying funds to the MPF in the future, as specified in Resolution 10/05.</p> <p><b>NOTING</b> that the Commission had directed the Secretariat (via Resolution 10/05) to ensure that the MPF be utilised, as a first priority, to support the participation of scientists from developing CPCs in scientific meetings of the IOTC, including Working Parties, rather than non-science meetings, the SC <b>RECOMMENDED</b> that the Secretariat strictly adhere to the directives of the Commission contained in Resolution 10/05, including paragraph 8 which states that “<i>The Fund will be allocated in such a way that no more than 25% of the expenditure of the Fund in one year is used to fund attendance to non-scientific meetings.</i>” Thus, 75% of the annual MPF shall be allocated to facilitating the attendance of developing CPC scientists to the Scientific Committee and its Working Parties.</p>	S18 (para. 88–91)	<p><b>NOTING</b> that the Commission had directed the Secretariat to ensure that the MPF be utilised, as a first priority, to support the participation of scientists from developing Contracting Parties in scientific meetings of the IOTC, including Working Parties, rather than non-science meetings, the Commission <b>REQUESTED</b> that the Secretariat strictly adhere to the directives of the Commission contained in Rule XVI in the IOTC Rules of Procedure (2014)), including paragraph 5 which states that ‘<i>The Fund will be allocated in such a way that no more than 25% of the expenditures of the Fund in one year is used to fund attendance to non-scientific meetings.</i>’ Thus, 75% of the annual MPF shall be allocated to facilitating the attendance of developing Contracting Parties scientists to the Scientific Committee and its Working Parties.</p> <p>The Commission <b>REQUESTED</b> that the Secretariat seek voluntary contributions from Contracting Parties and other interested groups to supplement the MPF.</p> <p>The Commission <b>AGREED</b> that any cost savings made on the annual IOTC budget, shall also be used to further supplement the \$60,000 currently budgeted for the MPF. The priorities for the funds use shall be consistent with the 75:25 split between the science meetings (SC and its Working Parties) and non-scientific meetings of the Commission, in accordance with the Rules adopted by the Commission.</p> <p>The Commission <b>AGREED</b> that the IOTC MPF exclude funding for Cooperating Non-Contracting Parties, as they currently do not contribute to the IOTC budget.</p> <p><i>Update: 8 Applications were received by the IOTC Secretariat. 5 were approved and 3 were rejected for budget reasons.</i></p>



WPTT15 Rec. No.		SC16 Rec. No.	Recommendation adopted by the SC16	Endorsed at S18	Commission response / suggestions for consideration at WPEB10
WPTT15.02 ( <a href="#">para. 37</a> )	<p><b>Spatial assessment and management of tuna populations</b></p> <p>The WPTT <b>RECOMMENDED</b> the necessity to perform additional research on population structure to challenge the current paradigm of a single panmictic spawning population throughout the entire Indian Ocean, which has strong implications for management. Applying genetics, otolith microchemistry, parasitology and analysis of the IOTC tag-recovery dataset is likely to provide the information required to determine if stocks are being managed at the appropriate scales.</p>	SC16 ( <a href="#">para. 86</a> )	<p><b>Spatial assessment and management of tuna populations</b></p> <p>The SC <b>AGREED</b> on the necessity to perform additional research on population structure to challenge the current paradigm of a single panmictic spawning population throughout the entire Indian Ocean, which has strong implications for management. Applying genetics, otolith microchemistry, parasitology and analysis of the IOTC tag-recovery dataset is likely to provide the information required to determine if stocks are being assessed and managed at the appropriate scales.</p>	–	<p><i>Update: To be discussed under Agenda item 11.1: Revision of the WPTT Program of Work (2015–2019)</i></p>
WPTT15.03 ( <a href="#">para. 62</a> )	<p><b>Japan data collection and processing systems</b></p> <p>The WPTT <b>THANKED</b> Japan for addressing some of the concerns raised by the WPTT in 2012, and <b>RECOMMENDED</b> that Japan and the IOTC Secretariat continue joint work, in cooperation with other countries having longline fisheries, to address other issues identified by the WPTT, as the lack of specimens of small size from the samples and discrepancies in the average weights estimated using the available catch-and-effort and length frequency data.</p>	SC16.40 ( <a href="#">para. 87</a> )	<p><b>Data collection and processing systems</b></p> <p>The SC <b>THANKED</b> Japan and Taiwan,China for addressing some of the concerns raised by the WPTT in 2012 about data collection and length frequency processing, and <b>RECOMMENDED</b> that both Japan and Taiwan,China, as well as the IOTC Secretariat continue joint work, in cooperation with countries having longline fisheries, to address other issues identified by the WPTT, such as conflicting trends in the longline CPUE among the main longline fleets, the lack of specimens of small size from the samples for Taiwan,China longline fleet, and discrepancies in the average weights estimated using the available catch-and-effort and length frequency data for the Japanese longline fleet.</p>	Yes	<p>–</p> <p><i>Update: In 2014 the Chair of the IOTC WPDCS sent an e-mail to countries having longline fleets to encourage further presentation of results at the meeting of the WPDCS in 2014.</i></p>
WPTT15.04 ( <a href="#">para. 67</a> )	<p><b>Taiwan,China data collection and processing systems</b></p> <p><b>NOTING</b> that in recent years fishers from the Taiwan,China longline fleet have been collecting both length and weight measurements for the same specimens, the WPTT <b>RECOMMENDED</b> that the measured lengths and lengths derived from weight measurements are compared in order to validate the reliability of this dataset.</p>	As above	As above	Yes	<p>–</p> <p><i>Update: Progress to be reviewed by the WPDCS in 2014</i></p>
WPTT15.05 ( <a href="#">para. 74</a> )	<p><b>Length Frequency inter-sessional meeting guidelines</b></p> <p><b>NOTING</b> the size data issues (discrepancies in catch, effort and notably size data (low sampling rate, uneven distribution of sampling in regard to the spatial extent of the fishery) in the Japanese and Taiwan,China tropical tuna data sets) identified by the WPTT in 2012 and 2013</p>	SC16.41 ( <a href="#">para. 88</a> )	<p><b>Length Frequency inter-sessional meeting guidelines</b></p> <p><b>NOTING</b> the size data issues (discrepancies in size data (low sampling rate, uneven distribution of sampling in regard to the spatial extent of the fishery) in the Japan and Taiwan,China tropical tuna data sets) identified by the WPTT in 2012 and 2013 and the Scientific Committee in</p>	–	<p><i>Update: Progress to be reviewed by the WPDCS in 2014</i></p>



WPTT15 Rec. No.		SC16 Rec. No.	Recommendation adopted by the SC16	Endorsed at S18	Commission response / suggestions for consideration at WPEB10
	<p>and the Scientific Committee in 2012, the WPTT <b>RECOMMENDED</b> that an inter-sessional meeting attached to the WPDCS and WPM on <i>data collection and processing systems for size data from the main longline fleets in the Indian Ocean</i>, be carried out in early 2014, under the guidelines contained in <a href="#">Appendix IV</a>.</p>		<p>2012, the SC <b>RECOMMENDED</b> that the course of action outlined in <a href="#">para. 105</a> of this report is undertaken.</p> <p>(para. 105) The SC <b>REQUESTED</b> that joint work on the documentation of procedures for the collection, processing and reporting of size frequency data continues, based on a template produced by the IOTC Secretariat, in particular:</p> <ul style="list-style-type: none"> <li>• Full description of the type of sampling platforms used (e.g. commercial boats, research boats, training boats, etc.), and collecting sources (e.g. fishermen, researchers, scientific observers, etc.)</li> <li>• Full description of the sampling protocols used, on each (e.g. full enumeration of every set, every other set, first 30 fish from each set sampled for size, etc.), by type of sampling platform and collecting source.</li> <li>• Type of measurements collected (e.g. gilled-and-gutted weight, fork length, etc.) and measurement tools used (calliper, measuring board, measuring tape, scale, etc.) by type of sampling platform, collecting source, and species.</li> <li>• Type of time-area stratification used for each species (e.g. quarter and defined area) and procedures used for the estimation of sampled weights in each stratum, including all equations used for the conversion of non-standard measurements into standard measurements, by species (e.g. deterministic conversion using a single length weight equation for all areas and time periods, etc.).</li> <li>• Description of any other procedures which involve the use of length frequency data (e.g. estimation of weights from the numbers reported in logbooks and substitution scheme in the case that lengths are not available in areas where there are catches and effort recorded, etc.).</li> </ul>		
WPTT15.06 ( <a href="#">para. 75</a> )	<p>The WPTT <b>NOTED</b> that the data collection and processing systems used for distant-water longline fisheries tend to apply to all oceans <b>AGREEING</b> that it is likely that the issues identified for the Indian Ocean also apply to other areas. In this regard, the WPTT</p>	-	Not endorsed.	-	-



WPTT15 Rec. No.		SC16 Rec. No.	Recommendation adopted by the SC16	Endorsed at S18	Commission response / suggestions for consideration at WPEB10
	<b>RECOMMENDED</b> that the IOTC Secretariat informs other tuna-RFMO Secretariats about the issues identified and facilitates participation of their staff to the WPDCS, where required.				
WPTT15.07 ( <a href="#">para. 89</a> )	<b>European Union fishery statistics</b> The WPTT <b>NOTED</b> errors in the procedure used to correct the species composition of the European Union purse seine catches on free-swimming schools. This error resulted in an over-representation (20–30%) of bigeye tuna in the statistics provided to the IOTC Secretariat, compared to the composition produced by the species sampling. Recalling the need for the European Union to submit corrected catches by species to the IOTC, the WPTT <b>RECOMMENDED</b> that EU scientists document all estimation procedures and the changes in species composition arising from them and report this information at the next session of the WPTT, in 2014.	SC16 ( <a href="#">para. 90</a> )	<b>European Union fishery statistics</b> The SC <b>NOTED</b> errors in the procedure used to correct the species composition of the European Union purse seine catches on free-swimming schools. This error resulted in an over-representation (20–30%) of bigeye tuna on free swimming schools in the statistics provided to the IOTC Secretariat, compared to the composition produced by the species sampling. Recalling the need for the European Union to submit corrected catches by species to the IOTC, the SC <b>REQUESTED</b> that EU scientists document all estimation procedures and the changes in species composition arising from them and report this information at the next session of the WPTT, in 2014.	–	–  <i>Update: To be provided at WPTT16</i>
WPTT15.08 ( <a href="#">para. 92</a> )	<b>India fisheries</b> <b>NOTING</b> the potential utility of the longline CPUEs derived from the research surveys conducted by the “Fishery Survey of India”, the WPTT <b>RECOMMENDED</b> that as a high priority, India undertake a standardisation of the CPUE series, with the support of the IOTC Secretariat, and for this to be presented at the next WPTT meeting.	SC16.42 ( <a href="#">para. 91</a> )	<b>India fisheries</b> <b>NOTING</b> the potential utility of the longline CPUEs derived from the research surveys conducted by the “Fishery Survey of India”, the SC <b>RECOMMENDED</b> that as a high priority, India undertake a standardisation of the CPUE series, with the support of the IOTC Secretariat, and for this to be presented at the next WPTT meeting.	Endorsed	–  <i>Update: Nil.</i>
WPTT15.09 ( <a href="#">para. 245</a> )	<b>Analysis of the Time-Area Closures (including Resolution 12/13)</b> <b>NOTING</b> that the objective of Resolution 12/13 is to decrease the overall pressure on the main targeted stocks in the Indian Ocean, in particular yellowfin tuna and bigeye tuna, and also to evaluate the impact of the current time/area closure and any alternative scenarios on tropical tuna population, the WPTT reiterated its previous <b>RECOMMENDATION</b> that the SC request that the Commission specify the level of reduction or the long term management objectives to be achieved with the current or alternative time area closures, as these are not contained within Resolution 12/13.	SC16.6 ( <a href="#">para. 185,</a> <a href="#">186, 187</a> )	<b>Outlook on Time-Area Closures</b> The SC reiterated its previous <b>RECOMMENDATION</b> that the Commission note that the current closure is likely to be ineffective, as fishing effort will be redirected to other fishing grounds in the Indian Ocean. The positive impacts of the moratorium within the closed area would likely be offset by effort reallocation, as they will result in similar catch rates and total annual catches.  <b>NOTING</b> that the objective of Resolution 12/13 is to decrease the overall pressure on the main targeted stocks in the Indian Ocean, in particular yellowfin tuna and bigeye tuna, and also to evaluate the impact of the current time/area closure and any alternative scenarios on tropical	(para 23)	<b>NOTING</b> that the objective of Resolution 12/13 was to decrease the overall pressure on the main targeted stocks in the Indian Ocean, in particular yellowfin tuna and bigeye tuna, and also to evaluate the impact of the current time/area closure and any alternative scenarios on tropical tuna populations, the Commission <b>REQUESTED</b> that the SC (via the WPTT in 2014) undertake an analysis of the combined impacts of the two closed areas in the Indian Ocean (contained in Resolution 12/13 and the UK(OT) MPA), with the objective of determining the utility of closed areas in managing highly migratory species.

WPTT15 Rec. No.		SC16 Rec. No.	Recommendation adopted by the SC16	Endorsed at S18	Commission response / suggestions for consideration at WPEB10
			<p>tuna populations, the SC reiterated its previous <b>RECOMMENDATION</b> that the Commission specify the level of reduction or the long term management objectives to be achieved with the current or alternative time area closures and/or alternative measures, as these are not contained within the Resolution 12/13. This will, in turn, guide and facilitate the analysis of the SC, via the WPTT in 2013 and future years.</p> <p><b>NOTING</b> the slow progress made in addressing the Commission request, the SC reiterated its <b>RECOMMENDATION</b> that the SC Chair begins a consultative process with the Commission in order to obtain clear guidance from the Commission about the management objectives intended with the current or any alternative closure. This will allow the SC to address the Commission request more thoroughly.</p>		<p><i>Update: No progress as the Commission Revoked the Closure as part of a revision to Resolution 12/13, now Resolution 14/02.</i></p>
WPTT15.10 ( <a href="#">para. 254</a> )	<p><b>CPUE Standardisation inter-sessional work</b></p> <p><b>NOTING</b> these CPUE issues identified by the WPTT in 2010, 2011, 2012 and 2013 and the Scientific Committee in 2012, the WPTT <b>RECOMMENDED</b> that further inter-sessional work be carried out in conjunction with the IOTC Secretariat on the major longline CPC's in the Indian Ocean in early 2014 using the operation data to address issues identified in the CPUE Workshop Report.</p>	SC16.51 ( <a href="#">para. 127, 128</a> )	<p><b>Outcomes of the informal workshop on CPUE standardisation</b></p> <p>The SC <b>ENDORSED</b> all of the recommendations from the workshop, contained in paper IOTC-2013-SC16-12. In particular, the SC <b>RECOMMENDED</b> that in areas where CPUE's diverged the CPC's were encouraged to meet inter-sessionally to resolve the differences. In addition, the major CPC's were encouraged to develop a combined CPUE from multiple fleets so it may capture the true abundance better. Approaches to possibly pursue are the following: i) Assess filtering approaches on data and whether they have an effect, ii) examine spatial resolution on fleets operating and whether this is the primary reason for differences, and iii) examine fleet efficiencies by area, iv) use operational data for the standardization, and v) have a meeting amongst all operational level data across all fleets to assess an approach where we may look at catch rates across the broad areas.</p> <p><b>NOTING</b> the CPUE issues identified by the WPTT in 2010, 2011, 2012 and 2013 and the Scientific Committee in 2012, as well as the informal CPUE workshop in 2013, the SC <b>RECOMMENDED</b> that further inter-sessional work be carried out in conjunction with the IOTC</p>	Yes	<p>No funds were allocated to this task by the Commission.</p> <p><i>Update: See below, Invited Expert (Simon Hoyle)</i></p>



WPTT15 Rec. No.		SC16 Rec. No.	Recommendation adopted by the SC16	Endorsed at S18	Commission response / suggestions for consideration at WPEB10																		
			Secretariat on the major longline CPC's in the Indian Ocean in early 2014 using operational data to address issues identified in the CPUE Workshop Report.																				
WPTT15.11 ( <a href="#">para. 255</a> )	<p><b>Consultants</b></p> <p>The WPTT <b>NOTED</b> the excellent work done by IOTC consultants in 2013 on a range of projects from Management Strategy Evaluation to the bigeye tuna SS3 stock assessment, and <b>RECOMMENDED</b> that their engagement be renewed for the coming year to supplement the skill set available within IOTC CPCs. An indicative budget is provided at <a href="#">Table 14</a> for the consideration of the Scientific Committee.</p> <p><b>TABLE 14.</b> Estimated budget for IOTC consultants to be engaged on tropical tunas in 2014</p> <table border="1"> <thead> <tr> <th>Unit price</th> <th>Units required</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>US\$450</td> <td>35</td> <td>15,750</td> </tr> <tr> <td>US\$8,000</td> <td>1</td> <td>8,000</td> </tr> <tr> <td>US\$450</td> <td>35</td> <td>15,750</td> </tr> <tr> <td>US\$8,000</td> <td>1</td> <td>8,000</td> </tr> <tr> <td colspan="2"></td> <td><b>47,500</b></td> </tr> </tbody> </table>	Unit price	Units required	Total	US\$450	35	15,750	US\$8,000	1	8,000	US\$450	35	15,750	US\$8,000	1	8,000			<b>47,500</b>	SC16.4 ( <a href="#">para. 92</a> )	<p><b>Consultants</b></p> <p>The SC <b>NOTED</b> the excellent work done by IOTC consultants in 2013 on a range of projects from Management Strategy Evaluation to the bigeye tuna SS3 stock assessment, and <b>RECOMMENDED</b> that their engagement be renewed for the coming year to supplement the skill set available within IOTC CPCs. An indicative budget is provided at <a href="#">Table 11</a>.</p>	Yes	<p>The Commission budgeted for the consultants in 2014 and 2015.</p> <p><i>Update: Simon Hoyle was selected as the Invited Expert for the WPTT16. ISSF is funding his travel expenses and a small project to be presented at the WPTT16. Work to improve CPUE indices for tropical tunas.</i></p>
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US\$450	35	15,750																					
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WPTT15.12 ( <a href="#">para. 256</a> )	<p><b>Program of Work</b></p> <p>The WPTT <b>RECOMMENDED</b> that the SC consider and endorse the workplan and assessment schedule for the WPTT for 2014, and tentatively for future years, as provided at <a href="#">Appendix X</a> and <a href="#">Appendix XI</a>, respectively.</p>	SC16 ( <a href="#">para. 193</a> )	<p><b>Revision of the WPTT workplan</b></p> <p>The SC <b>NOTED</b> the proposed work plans and priorities of each of the Working Parties and <b>AGREED</b> to the revised work plans as outlined in Appendix XXXIV. The Chairs and Vice-Chairs of each working party shall ensure that the efforts of their working party is focused on the core areas contained within the appendix, taking into account any new research priorities identified by the Commission at its next Session.</p>	Yes	<p>–</p> <p><i>Update: To be discussed at WPTT16</i></p>																		
WPTT15.13 ( <a href="#">para. 265</a> )	<p><b>Election of a Vice-Chairperson of the WPTT for the next biennium</b></p> <p>The WPTT <b>RECOMMENDED</b> that the SC note that Dr. M. Shiham Adam (Maldives) was re-elected as Vice-Chairperson of the WPTT for the next <i>biennium</i>.</p>	SC16.73 ( <a href="#">para. 210</a> )	<p><b>Election of a Chairperson and a Vice-Chairperson for the next biennium</b></p> <p>The SC <b>RECOMMENDED</b> that the Commission note the re-election of Dr Tom Nishida (Japan) as Chairperson, and Mr Jan Robinson (Seychelles) as Vice-Chairperson of the SC for the next biennium, <i>as well as the Chairs and Vice-Chairs of each of the Working Parties</i> as provided in Appendix VII.</p>	Yes	N/A																		
WPTT15.14	<b>Review of the draft, and adoption of the Report of the</b>	–	<b>NOTED</b>	Yes	–																		



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<a href="#">(para. 271)</a>	<p><i>Fifteenth Session of the WPTT</i></p> <p>The WPTT <b>RECOMMENDED</b> that the Scientific Committee consider the consolidated set of recommendations arising from WPTT15, provided at <a href="#">Appendix XII</a>, as well as the management advice provided in the draft resource stock status summary for each of the tropical tuna species under the IOTC mandate:</p> <ul style="list-style-type: none"> <li>○ Bigeye tuna (<i>Thunnus obesus</i>) – <a href="#">Appendix VII</a></li> <li>○ Skipjack tuna (<i>Katsuwonus pelamis</i>) – <a href="#">Appendix VIII</a></li> <li>○ Yellowfin tuna (<i>Thunnus albacares</i>) – <a href="#">Appendix IX</a></li> </ul>				