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## **PROGRESS MADE ON THE RECOMMENDATIONS AND REQUESTS OF WPNT06 AND SC19**

**PREPARED BY: IOTC SECRETARIAT  
LAST UPDATED: 26 JUNE 2017**

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### **PURPOSE**

To provide participants at the 7<sup>th</sup> WPNT with an update on the progress made in implementing the recommendations developed by the previous Working Party on Neritic Tunas (WPNT) which were endorsed by the Scientific Committee (SC), and to provide alternative recommendations for the consideration and potential endorsement by participants as appropriate given any progress.

### **BACKGROUND**

At the 6<sup>th</sup> Session of the WPNT, participants also agreed on a series of actions to be taken by participants, CPCs, and the IOTC Secretariat on a range of issues. This paper provides a summary of the progress made on this list of requests so that the working party can evaluate progress made and to agree on the next steps to be taken for each issue.

### **DISCUSSION**

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) carry out other technical activities of relevance to the Commission.

Recalling that the SC, at its 16<sup>th</sup> Session adopted a set of reporting terminology SC16.07 (para. 23), which was subsequently endorsed by the Commission at its 18<sup>th</sup> Session in 2014 (S18, para 10), to further improve the clarity of information sharing from, and among the science bodies, the following two term levels should be noted when interpreting the Reports and Appendix I to this paper:

**Level 1:** From a subsidiary body of the Commission to the next level in the structure of the Commission:

**RECOMMENDED, RECOMMENDATION:** Any conclusion or request for an action to be undertaken, from a subsidiary body of the Commission (Committee or Working Party), which is to be formally provided to the next level in the structure of the Commission for its consideration/endorsement (e.g. from a Working Party to the Scientific Committee; from a Committee to the Commission). The intention is that the higher body will consider the recommended action for endorsement under its own mandate, if the subsidiary body does not already have the required mandate. Ideally this should be task specific and contain a timeframe for completion.

**Level 2:** From a subsidiary body of the Commission to a CPC, the IOTC Secretariat, or other body (not the Commission) to carry out a specified task:

**REQUESTED:** This term should only be used by a subsidiary body of the Commission if it does not wish to have the request formally adopted/endorsed by the next level in the structure of the Commission. For example, if a Committee wishes to seek additional input from a CPC on a particular topic, but does not wish to formalise the request beyond the mandate of the Committee, it may request that a set action be undertaken. Ideally this should be task specific and contain a timeframe for the completion.

In addition to the Recommendations endorsed by the SC at its 19<sup>th</sup> Session, the SC also made several requests which, although are not passed to the Commission for its endorsement, are considered actions which the Scientific Committee has the mandate to issue. The revised recommendations are contained in Appendix I for the consideration and potential endorsement by the WPNT07.

**RECOMMENDATION**

That the WPNT **NOTE** the progress made in implementing the recommendations and requests of the 6<sup>th</sup> Session of the WPNT, and consider whether revised recommendations need to be sent to the SC for its consideration.

**APPENDICES**

**Appendix I:** Progress made on the Recommendations and Requests of WPNT06.



**APPENDIX I**

**Progress made on the Recommendations and Requests of WPNT06 and SC19**

WPNT06 Rec. No.	Recommendation from WPNT06	SC19 Rec. No.	Recommendation adopted by the SC19		Progress/Comments
WPNT06.01	<p><i>Indonesia</i> (para. 105) <b>ACKNOWLEDGING</b> that OFCF are planning to follow-up the sampling project further, the WPNT <b>RECOMMENDED</b> that IOTC regular budget is allocated to support the extension of the Indonesia sampling project in both geographical scope and over time.</p>	<p>S19 Para. 34</p>	<p><i>Capacity building activities</i> The SC <b>THANKED</b> the IOTC-OFCF Project for its continued support to the enhancement of data collection and processing systems in Indonesia. <b>NOTING</b> the request of Indonesia for continuation of the sampling programme, the SC <b>ENCOURAGED</b> the OFCF to extend support into the future and also <b>ENCOURAGED</b> the Ministry of Marine Affairs and Fisheries of Indonesia to continue sampling activities in North and West Sumatra Provinces in 2017 and subsequent years to ensure that Indonesia has capacity to monitor artisanal fisheries and fulfil IOTC data reporting requirements. Indonesia has confirmed continuation of the sampling program with support and collaboration of OFCF especially in Western Sumatra.</p>		<p>Update: <b>[Ongoing]</b> An evaluation workshop of the pilot project was conducted by the IOTC Secretariat and OFCF in March 2017. The OFCF committed to continue support (and an ad-hoc) basis during the next phase of the IOTC-OFCF Project.</p>
WPNT06.02	<p><i>Selection of Stock Status indicators</i> (para. 144) The WPNT <b>NOTED</b> the importance of exploring alternative models or sources of information that can evidence results from data-poor assessments, and <b>RECOMMENDED</b> that other methods are explored based on different data sources, such as catch curve estimation of mortality from length-frequency data. A range of data sources should be explored, including data from</p>	<p>SC19 Para. 32</p>	<p><i>Selection of Stock Status indicators</i> The SC <b>NOTED</b> the importance of exploring alternative data poor stock assessment methods and <b>RECOMMENDED</b> that the Commission allocates funding for work to explore methods based on different data sources, such as catch curve estimation of mortality from length-frequency data. A range of data sources should be explored,</p>		<p>Update: <b>[pending]</b> – no regular budget was allocated by the Commission to this work</p>

	observer programmes, the sport fisheries project, and non-state actor (e.g. WWF) projects for suitability.		including data from observer programmes, the sport fisheries project, and non-state actor (e.g. WWF) projects for suitability.		
WPNT06.03	(para. 148) The WPNT <b>RECALLED</b> the recommendation of the WPNT05 for the SC to request the Working Party on Methods evaluate a proposed alternative methodology for presenting management advice for data poor methods in 2016. The WPNT <b>RECOMMENDED</b> that the WPM evaluate the possibility of using different colours to distinguish between stocks which have not been assessed (e.g., white) and stocks which have been assessed but the status is considered to be uncertain (e.g., grey).	S19 Para. 33	The SC <b>RECALLED</b> the recommendation of the WPNT05 for the SC to request the Working Party on Methods evaluate a proposed alternative methodology for presenting management advice for data poor methods in 2016. The SC <b>REQUESTED</b> that the WPM evaluate the possibility of using different colours to distinguish between stocks which have not been assessed (e.g., white) and stocks which have been assessed but the status is considered to be uncertain (e.g., grey).		Update: [ongoing] – to be reviewed by the WPM
WPNT06.04	<b>Revision of the WPNT Program of Work (2017–2021)</b> (para. 204) <b>ACKNOWLEDGING</b> the importance of indices of abundance for future stock assessments, the WPNT <b>RECOMMENDED</b> that the development of standardised CPUE series is explored, with priority given to fleets which account for the largest catches of neritic tuna and tuna-like species (e.g., I.R. Iran, Indonesia, India, Pakistan, and Sri Lanka).	S19 Para. 29	<b>ACKNOWLEDGING</b> the importance of indices of abundance for future stock assessments, the S <b>RECOMMENDED</b> that the development of standardised CPUE series is explored, with priority given to fleets which account for the largest catches of neritic tuna and tuna-like species (e.g., I.R. Iran, Indonesia, India, Pakistan, and Sri Lanka).		Update: [pending] – (See account of responses to data requests by the IOTC Secretariat below)
WPNT06.05	(para. 211) The WPNT <b>RECOMMENDED</b> that the SC request that the Commission further increases the IOTC Capacity Building budget line so that capacity building training on improved data collection and analysis can be carried out in 2017.	SC19 Para. 121	<b>Data collection and capacity building</b> The SC <b>AGREED</b> that, while external funding is helping the work of the Commission, funds allocated by the Commission to capacity building are still too low, considering the range of issues identified by the SC and its Working Parties, particularly in relation to the implementation of the Regional Observer Scheme and data collection and reporting for artisanal fisheries and <b>RECOMMENDED</b> that the Commission further increases the IOTC Capacity Building budget to fund these activities in the future.		Update: [ongoing] – US\$ 125,000 has been allocated to capacity building activities in 2018 (IOTC-2017-SCAF14-05).
WPNT06.06	(para. 212) The WPNT <b>RECOMMENDED</b> that	SC19	<b>Program of Work</b>		Update: [ongoing]

	the SC consider and endorse the WPNT Program of Work (2017–2021), as provided at <a href="#">Appendix VI</a> .	Para. 170	The SC <b>NOTED</b> the proposed Program of Work and priorities for the Scientific Committee and each of the Working Parties and <b>AGREED</b> to a consolidated Program of Work as outlined in <a href="#">Appendix XXXIV</a> . The Chairpersons and Vice-Chairpersons of each working party shall ensure that the efforts of their working party are focused on the core areas contained within the appendix, taking into account any new research priorities identified by the Commission at its next Session.		This is to be revised for the next 5 years by WPNT07.
WPNT06.07	<b><i>Date and place of the 7<sup>th</sup> Working Party on Neritic Tunas</i></b> (para. 217) The WPNT <b>NOTED</b> the expression of interest from the Maldives to host the 7 <sup>th</sup> Session of the WPNT. The IOTC Secretariat shall liaise with Maldives to confirm the expression of interest. Given that the dates proposed by the SC (3-6 March 2017) leave little time for the activities in the program of work to be carried out, the WPNT <b>RECOMMENDED</b> the SC consider pushing the dates back to July 2017.		Dates for WPNT07 were agreed for July 2017 (Appendix XXXVI IOTC-2016-SC19-R).		Update – [completed] This was endorsed by the Commission
WPNT06.08	<b><i>Meeting participation fund (MPF)</i></b> (para. 219) The WPNT participants were unanimous in their thanks for the support for their participation in the meeting due to the MPF and <b>RECOMMENDED</b> that the Scientific Committee also consider the WPNT07 as a high priority meeting for MPF.	SC19 Para. 28 and 122	<b>ACKNOWLEDGING</b> that good attendance is important given that management advice is being put forward to the SC, the SC <b>REQUESTED</b> that CPCs with important fisheries for neritic species, including India, Oman and Pakistan, consider attendance at the WPNT a priority and provide better participation in future years. The SC further <b>NOTED</b> that the Maldives will be hosting the WPNT07 in 2017 and that there are plans for a workshop on meta-analysis and population parameters to be held back-to-back with the meeting which should encourage better attendance at the WPNT.  <b>NOTING</b> the various comments made by many of the developing CPCs in attendance at the meeting, that the IOTC MPF was crucial for the success of all		Update: [ongoing] The workshop on meta-analysis of population parameters has been arranged to take place on 9 <sup>th</sup> July in Maldives immediately prior to the WPNT07. All developing CPC applications for the MPF that were considered to be eligible were accepted.

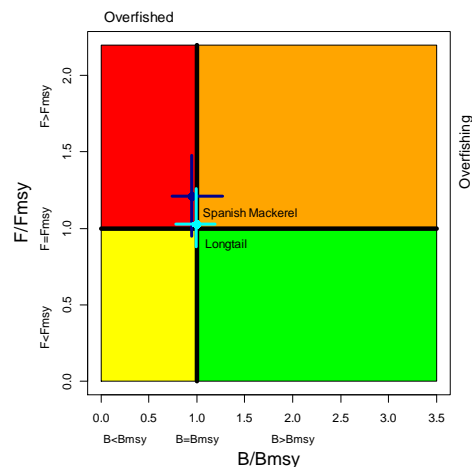
			IOTC Working Parties, and that the benefits are clearly being seen in terms of increased active engagement at each meeting by recipients, as well as the rapidly increasing quality of the scientific papers being submitted, the SC <b>REQUESTED</b> that the funding of national scientists from developing Contracting Parties to attend the WPNT be considered a higher priority.		
WPNT06.09	<p>(para. 220) The WPNT <b>RECOMMENDED</b> that the SC and Commission note the following:</p> <ul style="list-style-type: none"> <li>• The participation of developing coastal state scientists to the WPNT has been consistently high following the adoption and implementation of the IOTC Meeting Participation Fund 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>), now incorporated into the IOTC Rules of Procedure (2014), as well as though the hosting of the WPNT in developing coastal State Contracting Parties (Members) of the Commission (<u>Table 21</u>).</li> <li>• The continued success of the WPNT, at least in the short term, appears heavily reliant on the provision of support via the MPF which was established primarily for the purposes of supporting scientists to attend and contribute to the work of the Scientific Committee and its Working Parties.</li> <li>• The MPF should be utilised so as to ensure that all developing Contracting Parties of the Commission are able to attend the WPNT meeting, as neritic tunas are very important resources for many of the coastal countries of the Indian Ocean.</li> </ul>	SC19 Para. 27 and 28	As above		As above

WPNT06.10

**Review of the draft, and adoption of the Report of the 6<sup>th</sup> Working Party on Neritic Tunas**

(para. 221) The WPNT **RECOMMENDED** that the Scientific Committee consider the consolidated set of recommendations arising from WPNT06, provided at [Appendix XIII](#), as well as the management advice provided in the draft resource stock status summary for each of the six neritic tuna (and mackerel) species under the IOTC mandate, and the combined Kobe plot for the two species assigned a stock status in 2016 ([Fig. 8](#)):

- Bullet tuna (*Auxis rochei*) – [Appendix VII](#)
- Frigate tuna (*Auxis thazard*) – [Appendix VIII](#)
- Kawakawa (*Euthynnus affinis*) – [Appendix IX](#)
- Longtail tuna (*Thunnus tonggol*) – [Appendix X](#)
- Indo-Pacific king mackerel (*Scomberomorus guttatus*) – [Appendix XI](#)
- Narrow-barred Spanish mackerel (*Scomberomorus commerson*) – [Appendix XII](#)

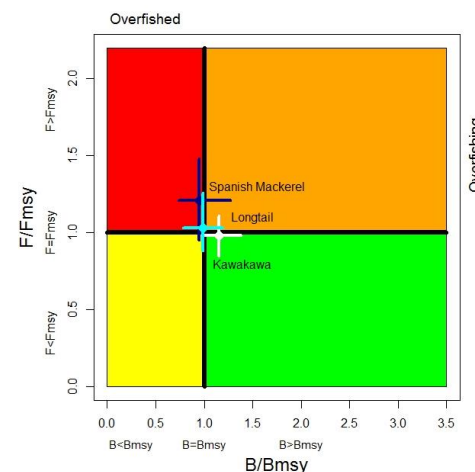


S19  
Para. 145

**Tuna and seerfish – Neritic species**

The SC **RECOMMENDED** that the Commission note the management advice developed for each neritic tuna (and mackerel) species under the IOTC mandate, as provided in the Executive Summary for each species, and the combined Kobe plot for the two species assigned a stock status in 2016 ([Fig. 6](#)):

- Bullet tuna (*Auxis rochei*) – [Appendix XVII](#)
- Frigate tuna (*Auxis thazard*) – [Appendix XVIII](#)
- Kawakawa (*Euthynnus affinis*) – [Appendix XIX](#)
- Longtail tuna (*Thunnus tonggol*) – [Appendix XX](#)
- Indo-Pacific king mackerel (*Scomberomorus guttatus*) – [Appendix XXI](#)
- Narrow-barred Spanish mackerel (*Scomberomorus commerson*) – [Appendix XXII](#)



**Fig. 6.** Combined Kobe plot for longtail tuna (cyan: 2016), narrow-barred Spanish mackerel (dark blue: 2016), and kawakawa (white: 2015) showing the

IOTC-2017-S21-R  
Para. 37

Update: **completed**  
The advice on stock status as provided by the SC was noted by the Commission.

	<p><b>Fig. 8.</b> Combined Kobe plot for longtail tuna and narrow-barred Spanish mackerel, showing the estimates of stock size (B) and current fishing mortality (F) in 2014 in relation to optimal spawning stock size and optimal fishing mortality using the OCOM modelling approach. Cross bars illustrate the range of uncertainty from the model runs.</p>		<p>estimates of stock size (B) and current fishing mortality (F) in relation to optimal spawning stock size and optimal fishing mortality using the OCOM modelling approach. Cross bars illustrate the range of uncertainty from the model runs.</p>		
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WPNT06 Report	WPNT06 REQUESTS	Update/Progress
Para. 22	<p>The WPNT <b>REQUESTED</b> other CPCs with priority languages (notably Malaysian and Sinhala) to facilitate translations of the cards for the <i>Identification of tuna and tuna-like species in the Indian Ocean fisheries</i>.</p>	<p>Update: [Completed/ongoing] Translations for Malaysian and Sinhala (and Tamil) have now been completed. Typesetting has been completed for the Sinhala/Tamil guides while the Malaysian guides have yet to be typeset.</p>
Para. 24	<p>The WPNT <b>REQUESTED</b> that the IOTC Secretariat continue to annually prepare a paper on the progress of the recommendations arising from the previous WPNT, incorporating the final recommendations adopted by the Scientific Committee and endorsed by the Commission.</p>	<p>Update: [Completed] IOTC-2017-WPNT07-06</p>
Para. 26	<p>The WPNT <b>NOTED</b> that data reporting is particularly low for neritic tuna species, despite the importance of scientific data for stock assessment. The WPNT <b>REQUESTED</b> CPCs improve the reporting of mandatory datasets to the IOTC Secretariat, particularly I.R. Iran, Indonesia, India, and Pakistan, which account for over 70% of total catches of IOTC neritic species.</p>	<p>Update: [Ongoing] The IOTC Secretariat has conducted, or is in the process of planning, Data Capacity and Support missions, or other technical capacity building projects with Indonesia, I.R. Iran and Pakistan to improve the future levels of data reporting.</p>
Para. 29	<p>The WPNT further <b>NOTED</b> that there may also be other issues with the data such as a lack of disaggregation by gear and by species, which require the IOTC Secretariat to apply further estimation techniques or algorithms to disaggregate the catches, and <b>REQUESTED</b> that the IOTC Secretariat provide documentation of the procedures for the estimation of nominal</p>	<p>Update: [Ongoing] The IOTC Secretariat is currently testing improved disaggregation techniques for shark species (for which the % of aggregated catches by gear and species can also be assessed through alternative techniques) whose results and validity will be assessed during the forthcoming WPEB. If such results are deemed scientifically sound, the same technique will also be applied for all other species of relevance for the IOTC, including neritics.</p>



	catches by species and gear to improve the transparency of catches disseminated for the IOTC Working Parties and stock assessment scientists.	
Para. 38	The WPNT <b>REQUESTED</b> that data on neritic tunas, including detailed catch, effort, and size frequency data, are submitted to the IOTC Secretariat as per the requirements adopted by IOTC Members in Resolution 15/02. This would allow the WPNT to develop additional or more refined stock status indicators for use in undertaking stock assessments on the neritic tuna species under the IOTC mandate.	Update: [pending] CPCs
Para. 41	The WPNT <b>RECALLED</b> the lack of historical size data collected by CPCs, particularly from Sri Lanka which are available but have not been submitted to IOTC which has received data for skipjack and yellowfin over the last five years, but no size data from neritic species and <b>REQUESTED</b> that Sri Lanka submit historical size data in the required format and spatial resolution so that the data can be used in future stock assessments.	Update: Sri Lanka [update pending]
Para. 42	The WPNT <b>NOTED</b> that I.R. Iran currently reports incomplete catch-and-effort data due to issues of collecting accurate information on units of effort for gillnet fisheries (i.e., number of panels, rather than fishing days), and strongly <b>REQUESTED</b> that effort as number of fishing days be reported to the IOTC Secretariat, in the absence of other units of effort.	Update: [ongoing] The IOTC Secretariat has scheduled a Data Compliance and Support Mission to I.R. Iran in September 2017 to assist with the reporting of mandatory data to the IOTC; in particular catch-and-effort.
Para. 50	<b><i>IOTC Capacity building activities: Data</i></b> The WPNT <b>NOTED</b> the proposed project on <i>the development of artisanal data collection protocols</i> and <b>AGREED</b> that a statistically sound sampling system is needed across all CPC countries for estimating the total catch, fishing effort, and fish size. The WPNT <b>REQUESTED</b> that CPCs determine appropriate sampling rates through statistical methods and in cases where sampling rates have been determined somewhat arbitrarily, <b>ENCOURAGED</b> CPCs to verify the accuracy of the estimates based on such a sampling rate.	Update: [Ongoing] The terms of reference for the consultancy are still in the process of being drafted, with work scheduled to commence in Q3/Q4 of 2017. CPCs [update pending]
Para. 51	The WPNT <b>REQUESTED</b> that training in sampling design is included in the proposed project on <i>the development of artisanal data collection</i>	Update: [Ongoing] The terms of reference for the consultancy are still in the process of being drafted, with work scheduled to commence in Q3/Q4 of 2017.

	<i>protocols</i> and that the IOTC recommendation for the sampling of one fish per metric tonne is re-examined in terms of its universal applicability.	
Para. 52	The WPNT <b>REQUESTED</b> the IOTC Secretariat work closely with Tanzania on the new data reporting system that is being implemented.	Update: [pending] No update
Para. 53	The WPNT <b>REQUESTED</b> WWF-Pakistan support the proposed activities taking place in the north western Indian Ocean region. [ <i>IOTC Capacity building activities: Data</i> ]	Update: WWF-Pakistan [update pending]
Para. 56	The WPNT <b>NOTED</b> the decline in catches of frigate tuna and <b>REQUESTED</b> that the authors investigate catch rates in future to evaluate whether the decline in catches is due to a decline in effort. [ <i>Maldives neritic tuna fisheries: IOTC-2016-WPNT06-11 Rev_1</i> ]	Update: Maldives [update pending]
Para. 70	<b>NOTING</b> the importance of sampling design and that the sampling rate was not clear in this study, the WPNT <b>REQUESTED</b> Thailand clarify this in future. [ <i>IOTC-2016-WPNT06-13: Thailand neritic tuna fisheries</i> ]	Update: Thailand [update pending]
Para. 72	The WPNT <b>NOTED</b> that VMS has been established in some fleets and <b>REQUESTED</b> that CPCs consider how the data collected might be used for scientific purposes such as CPUE standardisation.	Update: CPCs [update pending]
Para. 76	The WPNT <b>REQUESTED</b> that Kenya works with the IOTC Secretariat to continue making improvements to the system. [ <i>IOTC-2016-WPNT06-14: data collection system for Kenyan neritic tuna fisheries</i> ]	Update: [ongoing] The IOTC Secretariat visited Kenya in March 2017, and conducted an evaluation of the new Catch Assessment Survey methodology, provisional survey results, and recommendations for improvements. The IOTC Secretariat also is continuing to work with Kenya regarding development of a new electronic data capture and database system.
Para. 103	The WPNT <b>NOTED</b> that the project also collects data on effort but as many of the fisheries are not directly targeting tunas, this is more complex to extract and <b>AGREED</b> that this is almost as important as catch data and <b>REQUESTED</b> the Secretariat also analyse these data. [ <i>IOTC-2016-WPNT06-10: Indonesian OFCF-IOTC pilot sampling project</i> ]	Update: [ongoing] Indonesia is still in the process of entering and validating the data from the pilot project. The results will be reported to the IOTC Secretariat in due course.

Para. 107	The WPNT <b>REQUESTED</b> WWF-Pakistan establish similar projects in the northwest Indian Ocean. [IOTC-2016-WPNT06-10: Indonesian OFCF-IOTC pilot sampling project]	Update: [pending] No update yet
Para. 117	The WPNT <b>REQUESTED</b> that a Sustainability Assessment for Fishing Effect (SAFE) analysis is carried out next year to compare with the results of the PSA.	Update: [pending] This has not yet been undertaken as the recommended growth analysis and workshop was considered the priority by the SC19.
Para. 124	The WPNT <b>NOTED</b> the lack of papers on the species for assessment this year from CPCs and strongly <b>REQUESTED</b> all CPCs to consider the stock assessment schedule in the programme of work approved by the SC and to prepare relevant papers for the meeting.	Update: [ongoing] Only one paper was provided on the priority species for stock assessment in 2017 (IOTC-2017-WPNT07-16)
Para. 138	The WPNT <b>NOTED</b> the sensitivity of the OCOM results to estimates of life history parameters used in empirical methods to define prior ranges for the intrinsic population growth rate, r and <b>REQUESTED</b> CPCs to carry out further empirical growth studies to improve these estimates and narrow the prior interval ranges	Update: [ongoing] To be addressed through a project to develop improved growth parameters for neritic tunas, including a collaborative workshop.
Para. 151	The WPNT <b>ADOPTED</b> the OCOM management advice developed for longtail tuna ( <i>Thunnus tonggol</i> ) as provided in the draft resource stock status summary – <u>Appendix X</u> , and <b>REQUESTED</b> that the IOTC Secretariat update the draft stock status summary for longtail tuna with the latest 2015 catch data, and for the summary to be provided to the SC as part of the draft Executive Summary, for its consideration.	Update: <b>Completed</b> . The IOTC Secretariat updated the draft Executive Summaries for the Consideration of the SC. The SC19 <b>ADOPTED</b> a new Executive Summary for this stock, available for download from the IOTC website: <a href="http://iotc.org/science/status-summary-species-tuna-and-tuna-species-under-iotc-mandate-well-other-species-impacted-iotc">http://iotc.org/science/status-summary-species-tuna-and-tuna-species-under-iotc-mandate-well-other-species-impacted-iotc</a>
Para. 157	The WPNT <b>NOTED</b> inconsistencies with the data by gear reported by India, and <b>REQUESTED</b> that India submit the corrected data in the future.	Update: India [update pending]
Para. 166	The WPNT <b>ADOPTED</b> the management advice developed for narrow-barred Spanish mackerel ( <i>Scomberomorus commerson</i> ) as provided in the draft resource stock status summary – <u>Appendix XII</u> and <b>REQUESTED</b> that the IOTC Secretariat update the draft stock status summary for narrow-barred Spanish mackerel with the latest 2015 catch data, and for the summary to be provided to the SC as part of the draft Executive Summary,	Update: <b>Completed</b> . The IOTC Secretariat updated the draft Executive Summaries for the Consideration of the SC. The SC19 <b>ADOPTED</b> a new Executive Summary for this stock, available for download from the IOTC website: <a href="http://iotc.org/science/status-summary-species-tuna-and-tuna-species-under-iotc-mandate-well-other-species-impacted-iotc">http://iotc.org/science/status-summary-species-tuna-and-tuna-species-under-iotc-mandate-well-other-species-impacted-iotc</a>

	for its consideration.	
Para. 172	The WPNT <b>NOTED</b> that this research began last year for several small scale fishing gears, and is continued this year focused on purse seine fishing vessels and <b>REQUESTED</b> that the results are presented next year once the study is complete. [IOTC-2016-WPNT06-19: analysis of size of <i>Auxis Spp.</i> ]	Update: Indonesia [update pending]
Para. 176	The WPNT <b>THANKED</b> the authors for the interesting study with 10 years of information and <b>REQUESTED</b> that the authors collaborate to develop standardised CPUE series from these data for input to future stock assessments. [IOTC-2016-WPNT06-20: Sri Lanka Frigate tuna fisheries]	Update: Sri Lanka [update pending]
Para. 179	<b>ACKNOWLEDGING</b> the efforts that DFAR and NARA are making to implement logbooks to record this detailed effort information, the WPNT <b>REQUESTED</b> that Sri Lanka submits this to the IOTC Secretariat as outlined in Resolution 15/02.	Update: [ongoing] The IOTC Secretariat has noted improvements in the data collection and reporting of data by Sri Lanka in recent years, and notably steps to develop an electronic logbook for small scale semi-industrial gillnet and longline vessels (e.g., 15m LOA). Sri Lanka [update pending]
Para. 199	Based on the poor quality of the data available and the uncertainty of the model results, the WPNT <b>AGREED</b> not to provide stock status advice for Indo-Pacific king mackerel ( <i>Scomberomorus guttatus</i> ) this year in the draft resource stock status summary – Appendix XII. The WPNT <b>REQUESTED</b> that the IOTC Secretariat update the draft stock status summary for Indo-Pacific king mackerel with the latest (2015) catch data, and for the summary to be provided to the SC as part of the draft Executive Summary, for its consideration.	Update: [Completed] The IOTC Secretariat updated the draft Executive Summaries for the Consideration of the SC. The SC19 ADOPTED a new Executive Summary for this stock, available for download from the IOTC website: <a href="http://iotc.org/science/status-summary-species-tuna-and-tuna-species-under-iotc-mandate-well-other-species-impacted-iotc">http://iotc.org/science/status-summary-species-tuna-and-tuna-species-under-iotc-mandate-well-other-species-impacted-iotc</a>
Para. 200	The WPNT <b>ADOPTED</b> the management advice developed for kawakawa, bullet tuna and frigate tuna as provided in the draft resource stock status summary for each species and <b>REQUESTED</b> that the IOTC Secretariat update the draft stock status summary for bullet tuna and frigate tuna with the latest (2015) catch data, and for the summary to be provided to the SC as part of the draft Executive Summary, for its consideration: <ul style="list-style-type: none"> <li>○ Kawakawa (<i>Euthynnus affinis</i>) – Appendix IX</li> <li>○ Bullet tuna (<i>Auxis rochei</i>) – Appendix VII</li> </ul>	Update: [Completed] The IOTC Secretariat updated the draft Executive Summaries for the Consideration of the SC. The SC19 ADOPTED a new Executive Summary for this stock, available for download from the IOTC website: <a href="http://iotc.org/science/status-summary-species-tuna-and-tuna-species-under-iotc-mandate-well-other-species-impacted-iotc">http://iotc.org/science/status-summary-species-tuna-and-tuna-species-under-iotc-mandate-well-other-species-impacted-iotc</a>

	○ Frigate tuna ( <i>Auxis thazard</i> ) – <u>Appendix VIII</u>																									
Para. 206	The WPNT <b>RECALLED</b> that CPCs participating at WPNT05 (notably Thailand, Malaysia, Indonesia, I.R. Iran and Pakistan) indicated that fine scale catch and effort datasets exist and <b>REQUESTED</b> that all CPCs make available the data for CPUE standardisation by end-December 2016	Update: CPCs [pending]																								
Para. 207	The WPNT further <b>REQUESTED</b> the IOTC Secretariat also formally request support from key CPCs in accessing, compiling and analysing these data.	<p>Update: [ongoing]</p> <p>The IOTC Secretariat developed a user-friendly template of data and released this as a call for information on the types of data available to be provided by CPCs. This was distributed in the format of a short survey to data providers in July 2016. Responses were received from Indonesia, Malaysia I.R.Iran, Oman and Thailand and are summarised in the table below.</p> <table border="1"> <thead> <tr> <th>CPC</th> <th>Fishery</th> <th>Logbook data</th> <th>Port sampling data</th> </tr> </thead> <tbody> <tr> <td>Thailand</td> <td>Seine/ring net</td> <td>2015 - present</td> <td>&gt;10 years</td> </tr> <tr> <td>Malaysia</td> <td>Seine/trawl/gillnet</td> <td>-</td> <td>1980 - present</td> </tr> <tr> <td>Indonesia</td> <td>Line/seine</td> <td>2013-2016</td> <td>2014-2016</td> </tr> <tr> <td>Oman</td> <td>Artisanal fleet (unspecified gear types)</td> <td>-</td> <td>1984 - present</td> </tr> <tr> <td>I.R.Iran</td> <td>Gillnet</td> <td>2013 - present</td> <td>2013 - present</td> </tr> </tbody> </table> <p>This was considered insufficient for conducting the proposed CPUE standardisation analysis and workshop and is to be discussed further at WPNT07.</p>	CPC	Fishery	Logbook data	Port sampling data	Thailand	Seine/ring net	2015 - present	>10 years	Malaysia	Seine/trawl/gillnet	-	1980 - present	Indonesia	Line/seine	2013-2016	2014-2016	Oman	Artisanal fleet (unspecified gear types)	-	1984 - present	I.R.Iran	Gillnet	2013 - present	2013 - present
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Para. 208	The WPNT <b>NOTED</b> that previous requests of the WPNT for CPCs submit historical data have often yielded little or no information and so <b>REQUESTED</b> that the participants of the current meeting assist the IOTC Secretariat in making contact with the relevant individuals to obtain the data based on a template of data requirements developed by Dr Zhou and the IOTC Secretariat. CPCs are requested to indicate whether the data listed in the template exist or not within one month after the template is received.	<p>Update: [ongoing]</p> <p>As above.</p> <p>The Secretariat also sent out a targeted data call for size frequency information for neritic tuna species. The data request and workshop invitation was sent to authors of papers collated in the literature reviews summarised by the IOTC Secretariat in 2015 and 2016 (IOTC-2017-WPNT07-DATA12 – 14 and IOTC-2016-WPNT06-DATA12 – 14). Information provided has been used in the meta-analysis of neritic tuna growth and included in the IOTC database where possible.</p>																								
Para. 217	The WPNT <b>REQUESTED</b> CPCs consider hosting the 8 <sup>th</sup> Session of the WPNT, to be discussed further at the WPNT07.	Update: [pending] To be discussed at WPNT07																								

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