



## PROGRESS MADE ON THE RECOMMENDATIONS AND REQUESTS OF WPB16 AND SC21

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#### PURPOSE

To provide participants at the 17<sup>th</sup> WPB with an update on the progress made in implementing those recommendations from the previous Working Party on Billfish (WPB) meeting 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 16<sup>th</sup> Session of the WPB, participants agreed on a series of actions to be taken by participants, CPCs, and the IOTC Secretariat on a range of issues. The subsequent table developed and agreed to by the WPB was provided to the SC for its endorsement at its December 2018 meeting.

### 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 <u>Appendix I</u> for the consideration and potential endorsement by the WPB14.

## RECOMMENDATION

That the WPB **NOTE** the progress made in implementing the recommendations and requests of the 17<sup>th</sup> Session of the WPB, 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 WPB16

# **APPENDIX I**

# Progress made on the recommendations and requests of WPB16 and SC21

WPB15 Rec. No.	Recommendation from WPB15	SC20 Rec. No.	Recommendation adopted by the SC20	Progress/Comments
WPB16.01	<i>IOTC Resolutions</i> ( <u>para. 9</u> ): <b>RECALLING</b> that one of the Indian Ocean billfish species (shortbill spearfish, <i>Tetrapturus</i>	SC21.12	<i>IOTC Resolutions</i> The SC recalled its previous <b>RECOMMENDATION</b> that on the next revision of the IOTC Agreement, the short bill	
	<i>angustirostris</i> ) is currently not listed among the species managed by IOTC, and considering the ocean-wide distribution of this species, its highly-migratory nature, and that it is a common bycatch in IOTC managed fisheries, the WPB reiterated it's previous <b>RECOMMENDATION</b> that the Scientific Committee consider requesting the Commission to include it in the list of species to be managed by the IOTC	Para. 44	spearfish (Tetrapturus angustirostris) be included as an IOTC species.	
	Genetic population structure for striped marlin		New information on biology	Update: [Ongoing]
WPB16.02	( <u>para. 61</u> ): The WPB <b>NOTED</b> the low sample sizes of marlins (i.e., zero samples for striped marlin) in phase 1 sampling of the IOTC stock structure project and <b>RECOMMENDED</b> that marlins are prioritized in phase 2 in order to resolve the stock structure uncertainty for this species.	SC21 Para. 52	The SC noted a new genetics study (USA/VIMS Study) indicated a potential existence of 2 stocks of striped marlin in the Indian Ocean, which is different to the one-stock assumption currently used for management. Given its implications for management, the SC <b>REQUESTED</b> that marlins are prioritized in the second phase of the IOTC stock structure project (currently implemented by CSIRO) to resolve the stock structure uncertainty for this species.	Additional samples of billfish species have been collected. For striped marlin, 22 samples have been collected and the DNA extracted and sent to DArT for sequencing.
	Revision of the WPB Program of work (2018–2022)		Program of Work (2019–2021)	Update: Completed
WPB16.03	( <u>para. 216</u> ): The WPB <b>RECOMMENDED</b> that the SC consider and endorse the WPB Program of Work (2019–2023), as provided at <u>Appendix XI</u> .	SC21 Para. 220	The SC noted the proposed Program of Work and priorities for the Scientific Committee and each of the Working Parties and AGREED to a consolidated Program of Work as outlined in Appendix 35a-g. 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.	

## IOTC-2019-WPB17-06



# IOTC-2019-WPB17-06

	SC21.13 (para. 66)	Swordfish MSE The SC noted that one of the team members involved in the development of the swordfish OM is starting a PhD in 2019 with IO Swordfish MSE included as one objective. The SC noted that salaries are already covered for next years for that team member, but further funding is required to support the travelling and time for two short-term visits to the JRC, as well as to attend IO MSE-technical workshops and WPM meeting in 2019. The SC therefore <b>RECOMMENDED</b> to fund this work during 2019 in order to progress the work on the IOTC MSE for SWO, with a total of $10.000 \in$ requested for 2019, further noting that part of the funds (around $3.000 \in$ ) should be available earlier in the year to start the work no later than March 2019	Update: Completed
	SC21.14 (para. 69)	<ul> <li>Revision of catch levels of Marlins under Resolution 18/05</li> <li>The SC noted that catches in recent years for Black Marlin, Blue Marlin, Striped Marlin and Indo-Pacific Sailfish have all exceeded the catch limits set by Resolution 18/05, and that current catch trends for all four species show no signs of decline in line with meeting the catch limits by 2020. As such, the SC urgently <b>RECOMMENDED</b> that measures are agreed to reduce current catches to the limits set for all four species covered by Resolution 18/05 as per the management advice given in the Executive Summaries.</li> </ul>	Update: Ongoing.

WPB15 Report	WPB15 REQUESTS	Update/Progress
Para. 8	The WPB <b>ACKNOWLEDGED</b> and <b>REITERATED</b> the request from the Scientific Committee for full compliance with Resolutions 15/01 and 15/02 and REQUESTED that all involved CPCs take immediate action to overcome any issues preventing the timely and complete reporting of all mandatory statistical data to the IOTC Secretariat	Update: Ongoing.
Para. 25	The WPB <b>NOTED</b> that the IOTC Secretariat is continuing to implement a number of revisions to the nominal catches that impact current estimates for billfish, including Comoros, Indonesia's fresh longline catches, as well as incorporating improvements in the catch-and-effort reported by I.R. Iran, and changes to the species composition submitted by Taiwan, China, and <b>REQUESTED</b> that an update is provided during the next WPB meeting	Update: The IOTC Secretariat to provide an update during the WPB meeting.
Para. 28	The WPB <b>NOTED</b> the main billfish data issues, by type of dataset and fishery, that are considered to negatively affect the quality of the statistics available at the IOTC Secretariat, which are provided in Appendix V, and <b>REQUESTED</b> that the CPCs listed in the Appendix make efforts to remedy to the identified data issues and report back to the WPB at its next meeting	Update: CPCs to provide an update during the WPB meeting.
Para. 29	Taiwan,China: While number of Taiwanese fresh (small-scale) longline vessels has decreased by around 30% in recent years (from 307 vessels in 2013, to 2012 vessels in 2016), longline catches remained at similar levels, raising average longline catches per vessel from 100 t in 2013 to around 175 t in 2016. Over the same period, the proportion of swordfish reported by Taiwanese flesh longline vessels increased from around 8% to over 30%, due to improvements in data collection and the estimation of catches by species, rather than changes in targeting. To avoid discontinuities in the estimates of catches by species, the WPB <b>REQUESTED</b> that Taiwan,China provide the IOTC Secretariat with revisions to the species composition of historical catches prior to the WPB meeting in 2019	Update: Taiwan,China to provide an update during the WPB meeting.
Para. 31	The WPB <b>REQUESTED</b> that the IOTC Secretariat clarify with both India and I.R. Iran the reasons for the sudden increase in catches of black marlin; specifically whether the increases are the result of the development of a new fishery, or alternatively improvements in data collection and reporting in order to assess whether catches in earlier years may have been underestimated and require adjustments in order to maintain continuity with latest (higher) catches of black marlin	Update: The IOTC Secretariat to provide an update during the WPB meeting, based on a review of the existing documents/data submitted to IOTC. A Data Compliance and Support mission was also planned for India in June – to address a range of issues regarding increases in a number IOTC species, including billfish and tropical tunas - but postponed until a later date due to logistical issues.

Para. 32	The WPB <b>REQUSTED</b> that for the next WPB meeting in 2019, the IOTC Secretariat provide an information document to provide background information on the increase in catches of marlins in recent years, including revisions to the official data provided by CPCs, and any changes in the methodology for estimating catches conducted by the IOTC Secretariat.	Update: The IOTC Secretariat to provide an update during the WPB meeting.
Para. 44	The WPB <b>NOTED</b> that information on Kenya's longline fleet, including nominal catches and time-area catch-and-effort, has not been reported to the IOTC Secretariat since 2010 and <b>REQUESTED</b> that Kenya submit these data to the IOTC Secretariat as a matter of priority.	Update: In progress. In 2019 Kenya did report catch-and-effort, but not nominal catches. The IOTC Secretariat has requested Kenya submit all mandatory datasets required by Resolution 15/02.
Para. 50	The WPB <b>CONSIDERED</b> the results of the alternative catch series and <b>REQUESTED</b> that the WPDCS consider endorsing the catch series.	Update: The WPDCS ACKNOWLEDGED that the methodologies adopted and the results obtained by the IOTC Secretariat in collaboration with national scientists for the revision of Indonesian fresh-tuna longliners best scientific estimates have been presented under agenda item 4.3 and endorsed by the WPDCS
Para. 37	The WPB <b>AGREED</b> that the systematic deviations in the retrospective analysis provide little confidence in the predictive capabilities of the model, and as such the resultant fishery reference points for black marlin should be treated with caution. The WPB <b>REQUESTED</b> that the catch and effort data provided for this species be discussed by the WPDCS in 2018 and revised information be submitted to the secretariat by CPCs that have catches of black marlin, prior to the next assessment of the species	Update: As above.