



**SCIENTIFIC COMMITTEE
FOURTEENTH REGULAR SESSION**

**Busan, Republic of Korea
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**Work Plan for the Adoption of Harvest Strategies under CMM 2014-06
(WCPFC14 Summary Report Attachment L)**

WCPFC-SC14-2018/MI-IP-01



**COMMISSION
FOURTEENTH REGULAR SESSION**
Manila, Philippines
3 – 7 December 2017

WORK PLAN FOR THE ADOPTION OF HARVEST STRATEGIES UNDER CMM 2014-06¹

Some key changes made to this update of the workplan include:

1. Extending the current workplan out to 2021 to allow for the ongoing work towards adoption of harvest strategies for the 4 key stocks;
2. Reframing the work on bigeye and yellowfin tuna given the recent scientific advice for the status of bigeye from rebuilding to developing a target reference point;
3. Proposing a dedicated discussion in 2018 by SC and the Commission of management objectives in terms of candidate target reference points for bigeye and yellowfin.
4. Regarding the need for clarity on whether decisions on harvest strategy elements are “interim”. The proposed approach is for the workplan to not state whether a future decision will be interim or otherwise but to simply schedule the decision and then let the Commission determine its interim nature. Hence the references to ‘interim’ that occurred in 2017 have been removed.
5. Added note regarding review of skipjack TRP by 2019, according to CMM2015-06.
6. Commission decision on a south Pacific albacore target reference point deferred until 2018.

	South Pacific Albacore	Skipjack	Bigeye	Yellowfin
2015	SC provided advice on implications of a range of Target Reference Points for South Pacific albacore.	Commission agreed an interim Target Reference Point (b).	Commission tasked SC to determine a biologically reasonable timeframe for rebuilding bigeye tuna to [or above] its limit reference point.	

¹ As refined and adopted at the Fourteenth Regular Session of the Commission, Manila, Philippines 3-7 December 2017.

	Commission agreed to workplan for the adoption of harvest strategies under CMM 2014-06 [WCPFC12 Summary Report, Attachment Y]			
	South Pacific Albacore	Skipjack	Bigeye	Yellowfin
2016	<p>Commission considered management objectives for the fishery or stock (a).</p> <p>Performance indicators and Monitoring strategy (d).</p> <ul style="list-style-type: none"> • SC provided advice on a monitoring strategy to assess performance against reference points. • SC provided advice on a range of performance indicators to evaluate performance of harvest control rules. • Commission tasked SPC/SC to develop interim performance indicators to evaluate harvest control rules. • [Commission agree to a monitoring strategy to assess performance against reference points.] 	<p>Commission considered management objectives for the fishery or stock (a).</p> <p>Performance indicators and Monitoring strategy (d).</p> <ul style="list-style-type: none"> • SC provided advice on a monitoring strategy to assess performance against reference points. • SC provide advice on a range of performance indicators to evaluate performance of harvest control rules. • Commission agreed interim performance indicators to evaluate harvest control rules. [see WCPFC13 Summary Report Attachment M] • [Commission agree to a monitoring strategy to assess performance against reference points.] 	<p>Commission considered management objectives for the fishery or stock (a).</p> <p>Commission agreed timeframes to rebuild stock to limit reference point. [see page 8 of HSW]</p>	<p>Commission considered management objectives for the fishery or stock (a).</p>
	Commission agreed on interim maximum acceptable risk level for breaching the LRP (c). [see page 8 of HSW]			
	Commission agreed to a refined workplan for the adoption of harvest strategies under CMM 2014-06 [WCPFC13 Summary Report Attachment N]			
	<p>Progress Summary:</p> <p>Recognised the need for some harvest strategy elements to be adopted as ‘interim’ noting that they be reconsidered as the harvest strategy process develops.</p> <p>Considered management objectives for the fisheries or stocks and made progress on identifying performance measures for tropical purse seine fisheries. For South Pacific albacore acknowledged the benefit of SPC adapting the same list of indicators to further similar work for south Pacific albacore. Commenced some early discussions on the relationship between harvest strategies for the different species and multispecies issues.</p>			

	South Pacific Albacore	Skipjack	Bigeye	Yellowfin
2017	<p>Performance indicators and Monitoring strategy (d).</p> <ul style="list-style-type: none"> • SC provided advice on a range of performance indicators for the Southern Longline Fishery to evaluate performance of harvest control rules. • Commission noted performance indicators for the Southern Longline Fishery to evaluate harvest control rules. 	<p>Develop harvest control rules (e) and Management strategy evaluation (f).</p> <ul style="list-style-type: none"> • SC provide advice on candidate harvest control rules based on agreed reference points (ongoing). • Commission consider advice on progress towards harvest control rules (ongoing). 	<p>Performance indicators and Monitoring strategy (d).</p> <ul style="list-style-type: none"> • SC provide advice on a range of performance indicators for the Tropical Longline Fishery to evaluate performance of harvest control rules. • Commission noted performance indicators for the Tropical Longline Fishery to evaluate harvest control rules <p>[SC report on BET status following updated assessment.]</p> <p>[SC and SPC provide advice to the Commission on the likely outcomes of revised tropical tuna measure.]</p>	<p>Performance indicators and Monitoring strategy (d).</p> <ul style="list-style-type: none"> • SC provide advice on a range of performance indicators for the Tropical Longline Fishery to evaluate performance of harvest control rules. • Commission noted performance indicators for the Tropical Longline Fishery to evaluate harvest control rules
Consider management objectives for stocks and fisheries (a).				
<p>Progress Summary:</p> <ul style="list-style-type: none"> • Noted candidate performance indicators for the Southern Longline Fishery and the Tropical Longline fishery to evaluate harvest control rules. • Agreed on actions to prioritise the development and adoption of a Target Reference Point for south Pacific albacore at WCPFC15. • Recognized the importance of developing harvest strategies for key stocks in the WCPO. The Commission recognized that this work requires the consideration of fisheries managers and scientists at different stages. The Commission notes that the time required for harvest strategy discussions is substantial but will also vary from year to year and the Commission recognized the need for this to be accommodated. • Agreed to reprioritise as needed the annual agenda of the Commission and Scientific Committee to allow sufficient additional time for consideration of harvest strategy issues. In addition WCPFC recognised that there may also be a need for a dedicated science/management dialogue. 				

	South Pacific Albacore	Skipjack	Bigeye	Yellowfin
2018	<p>Agree Target Reference Point (b).</p> <ul style="list-style-type: none"> Commission agree a TRP for south pacific albacore. <p>Develop harvest control rules (e) and Management strategy evaluation (f)</p> <ul style="list-style-type: none"> SC provide advice on performance of candidate harvest control rules. (ongoing). TCC consider the implications of candidate harvest control rules. (ongoing). Commission consider advice on progress towards harvest control rules. (ongoing). <p>[SC updated advice on SP albacore status.]</p>	<p>Develop harvest control rules (e) and Management strategy evaluation (f)</p> <ul style="list-style-type: none"> SC provide advice on performance of candidate harvest control rules. (ongoing). TCC consider the implications of candidate harvest control rules. (ongoing). Commission consider advice on progress towards harvest control rules. (ongoing). 	<p>[SC updated advice on BET status.]</p> <p>[SC and SPC provide advice to the Commission on the likely outcomes of revised tropical tuna measure.]</p> <p>[SC and Commission discussion of management objectives for fisheries and/or stocks, and subsequent development of candidate TRPs for BET and YFT.]</p>	<p>[SC and Commission discussion of management objectives for fisheries and/or stocks, and subsequent development of candidate TRPs for BET and YFT.]</p>
	Consider management objectives for stocks and fisheries (a).			
	Progress Summary:			

	South Pacific Albacore	Skipjack	Bigeye	Yellowfin
2019	<p>Develop harvest control rules (e) and Management strategy evaluation (f)</p> <ul style="list-style-type: none"> • SC provide advice on performance of candidate harvest control rules. (ongoing). • TCC consider the implications of candidate harvest control rules. (ongoing). • Commission consider advice on progress towards harvest control rules. (ongoing). 	<p>Develop harvest control rules (e) and Management strategy evaluation (f)</p> <ul style="list-style-type: none"> • SC provide advice on performance of candidate harvest control rules. (ongoing). • TCC consider the implications of candidate harvest control rules. (ongoing). • Commission consider advice on progress towards harvest control rules. (ongoing). <p>["TRP shall be reviewed by the Commission no later than 2019" – CMM 2015-06]</p>	<p>Agree Target Reference Point (b).</p> <ul style="list-style-type: none"> • SC provide advice on potential Target Reference Points for bigeye. • Commission agree a TRP for bigeye. <p>Develop harvest control rules (e) and Management strategy evaluation (f)</p> <ul style="list-style-type: none"> • SC provide advice on performance of candidate harvest control rules. (ongoing). • Commission consider advice on progress towards harvest control rules. (ongoing). 	<p>Agree Target Reference Point (b).</p> <ul style="list-style-type: none"> • SC provide advice on potential Target Reference Points for yellowfin. • Commission agree a TRP for yellowfin. <p>Develop harvest control rules (e) and Management strategy evaluation (f)</p> <ul style="list-style-type: none"> • SC provide advice on performance of candidate harvest control rules. (ongoing). • Commission consider advice on progress towards harvest control rules. (ongoing).
	<p>Consider management objectives for stocks and fisheries (a). NB: SC may need to reassess acceptable levels of risk for 3 key stocks. SKJ won't need to be reassessed given process with HCR work.</p>			
	<p>Progress Summary:</p>			

	South Pacific Albacore	Skipjack	Bigeye	Yellowfin
2020	<p>Develop harvest control rules (e) and Management strategy evaluation (f)</p> <ul style="list-style-type: none"> • SC provide advice on performance of candidate harvest control rules. (ongoing). • TCC consider the implications of candidate harvest control rules. (ongoing). • Commission consider advice on progress towards harvest control rules. (ongoing). 	<p>Develop harvest control rules (e) and Management strategy evaluation (f)</p> <ul style="list-style-type: none"> • SC provide advice on performance of candidate harvest control rules. • TCC consider the implications of candidate harvest control rules. • Commission consider advice on progress towards harvest control rules. <p>Adopt a Harvest Control Rule</p>	<p>Develop harvest control rules (e) and Management strategy evaluation (f)</p> <ul style="list-style-type: none"> • SC provide advice on performance of candidate harvest control rules. (ongoing). • TCC consider the implications of candidate harvest control rules. (ongoing). • Commission consider advice on progress towards harvest control rules. (ongoing). 	<p>Develop harvest control rules (e) and Management strategy evaluation (f)</p> <ul style="list-style-type: none"> • SC provide advice on performance of candidate harvest control rules. (ongoing). • TCC consider the implications of candidate harvest control rules. (ongoing). • Commission consider advice on progress towards harvest control rules. (ongoing).
	Consider management objectives for stocks and fisheries (a).			
	Progress Summary:			

	South Pacific Albacore	Skipjack	Bigeye	Yellowfin
2021	<p>Develop harvest control rules (e) and Management strategy evaluation (f)</p> <ul style="list-style-type: none"> • SC provide advice on performance of candidate harvest control rules. • TCC consider the implications of candidate harvest control rules. • Commission consider advice on progress towards harvest control rules. <p><u>Adopt a Harvest Control Rule.</u></p>	<p>Harvest Strategy for Skipjack in place</p>	<p>Develop harvest control rules (e) and Management strategy evaluation (f)</p> <ul style="list-style-type: none"> • SC provide advice on performance of candidate harvest control rules. • TCC consider the implications of candidate harvest control rules. • Commission consider advice on progress towards harvest control rules. <p>Adopt a Harvest Control Rule</p>	<p>Develop harvest control rules (e) and Management strategy evaluation (f)</p> <ul style="list-style-type: none"> • SC provide advice on performance of candidate harvest control rules. • TCC consider the implications of candidate harvest control rules. • Commission consider advice on progress towards harvest control rules. <p>Adopt a Harvest Control Rule</p>
	Consider management objectives for stocks and fisheries (a).			
	Progress Summary:			

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