SCIENTIFIC COMMITTEE
FOURTEENTH REGULAR SESSION

Busan, Republic of Korea
8 – 16 August 2018

SPC UPDATED EVALUATION OF WCP DRAFT BRIDGING CMM 2017-01 ON TROPICAL TUNAS (CHAIR'S DRAFT)

SC14-WCPFC14-03
(WCPFC14-2017-30B)

SPC-OFP

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

SPC UPDATED EVALUATION OF (WCPDRAFT BRIDGING CMM 2017-01 ON TROPICAL TUNAS (CHAIR'S DRAFT)

WCPFC14-2017-30B[1]
2 December 2017

Purse Seine	Longline	PS scalar	LL scalar	$SB_{2045}/SB_{F=0}$ (median)	$SB_{2045}/SB_{F=0}$ relative to $SB_{2012-2015}/SB_{F=0}$ (median)	F_{2045}/F_{MSY} (median)	F_{2045}/F_{MSY} relative to $F_{2011-14}/F_{MSY}$ (median)	LRP risk
3 month FAD closure (EEZs and high seas) + 4th month FAD closure for vessels catching more than 500 mt of bigeye + additional 3 months high seas FAD closure (Kiribati exempt)	2016 limits	1.09	1.11	0.29	0.9	0.99	1.19	

This draft measure, as evaluated, allows a 9% increase in purse seine associate effort and an 11% increase in longline bigeye catch, relative to 2013-2015 baseline levels. If implemented over 30 years, adult biomass relative to unfished levels ($SB/SB_{F=0}$) is predicted to decline from 0.32 (recent assessed levels) to 0.29, a decline of 10% (relative $SB/SB_{F=0}$ = 0.9). Fishing mortality is predicted to increase by 19% (relative F/Fmsy = 1.19) to just below the Fmsy level (F/Fmsy = 0.99). The risk of breaching the LRP is greater than 20% (actual approximated level = 29%). This risk is conditional on the currently-used uncertainty framework as adopted by SC13, i.e. a model ensemble consisting of 72 weighted models including both the 'old' and 'new' growth scenarios. Further work has been requested by SC13 which may result in changes to the model ensemble and therefore to the uncertainty framework and risks associated with this draft measure.

[1] This document is intended to replace the last page of WCPFC14-2017-30