#

**SCIENTIFIC COMMITTEE**

 **FOURTEENTH REGULAR SESSION**

**Busan, Republic of Korea**

**8 – 16 August 2018**

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| **PROVISIONAL LIST OF DOCUMENTS** |

**WCPFC-SC14-2018-05**

**Rev 4 (05 August July 2018)**

**PLEASE NOTE THAT WE INTEND TO USE THE PUBLIC WEBSITE FOR SC14 DOCUMENTATION**

**Key changes**

**28 July 2018:**

* SA-WP-13 Added to list.
* EB-WP-07 Moved to EB-IP-13

**2 August 2018**

* Numerous Revs found by ‘sort date’
* ST-IP-08 change of title
* SA-WP-05 SPA Assessment – Rev. 1 Details at top of paper Rev. 2 update of Fig 46

**Afternoon 2 August 2018**

* SA-WP-01 minor edits detailed on cover page.
* ST-IP-05 reallocated to ST-WP-05
* SA-IP-07 SPA Background document posted

**3 August 2018**

* 2 additional papers under Science Related Documents from WCPFC14 (05 and 06)
* NOAA approved version of EB-WP-06 with minor edits

**4 August 2018**

* SA-IP-08 Rev 2 SPA trends paper errors in two tables fixed
* New Documents:
	+ ST-IP-09: USA "ROP minimum standard data fields species of special interest”
	+ EB-WP-16: Draft Guidelines for Biodegradable and Non-Entangling FADs
	+ ST-WP-06: Placeholder Summary Report for the Third Electronic Reporting and Electronic Monitoring Working Group

**MEETING INFORMATION**

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| **WCPFC-SC14-2018-01** | Meeting notice and information |
| **WCPFC-SC14-2018-02** | Provisional agenda SC14 |
| **WCPFC-SC14-2018-03** | Provisional annotated agenda/ Provisional theme agenda |
| **WCPFC-SC14-2018-04** | Indicative schedule |
| **WCPFC-SC14-2018-05** | List of Documents |
| **WCPFC-SC14-2018-06** | Provisional agenda for heads of delegation meeting  |
| **WCPFC-SC14-2018-07** | Provisional agenda of the Japan Trust Fund steering committee meeting  |
| **WCPFC-SC14-2018-08** | Provisional agenda of the Pacific Tuna Tagging Programme steering committee meeting |

**GENERAL PAPERS**

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| ***GENERAL PAPERS – Working Papers*** |
| **GN-WP-01** | Williams P. and C. Reid. Overview of tuna fisheries in the western and central Pacific Ocean, including economic conditions - 2017 |
| **GN-WP-02** | IATTC. Tunas, billfishes and other pelagic species in the eastern Pacific Ocean in 2017.  |
| **GN-WP-03** | Secretariat. Issues arising from the Commission. |
| **GN-WP-04** | Secretariat. Intersessional activities of the Scientific Committee. |
| **GN-WP-04** | Secretariat. Intersessional activities of the Scientific Committee |
| ***GENERAL PAPERS – Information Papers*** |
| **GN-IP-01** | Secretariat. Cooperation with other organizations. |
| **GN-IP-02** | ISC. Report of the 18th Meeting of the International Scientific Committee for Tuna and Tuna-like Species in the North Pacific Ocean. |

**SCIENCE-RELATED DOCUMENTS PRESENTED AT WCPFC14**

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| **SC14-WCPFC14-01** | [SPC-OFP Supporting file for An Evaluation of the Management options for purse seine and longline fisheries defined by the TT CMM Intersessional meeting - revision 1 (with FAD sets)](https://www.wcpfc.int/node/30124) |
| **SC14-WCPFC14-02** | SPC-OFP [An Evaluation of the Management options for purse seine and longline fisheries defined by the TT CMM Intersessional meeting - revision 1](https://www.wcpfc.int/node/30045) |
| **SC14-WCPFC14-03** | SPC-OFP [Updated SPC evaluation of draft Bridging CMM 2017-01 on tropical tunas (chairs draft)](https://www.wcpfc.int/node/30179) |
| **SC14-WCPFC14-04** | SPC-OFP [Compiled information on Pacific bluefin tuna fishing effort and catch (NC13-2017-WP02)](https://www.wcpfc.int/node/30085) |
| **SC14-WCPFC14-05** | Secretariat Updated Tables that Summarise the Reports Received by WCPFC under Tropical Tuna CMMs from 2015 to 2017 |
| **SC14-WCPFC14-06** | Secretariat Summary of Reporting Received by WCPFC under CMM 2010-05 and CMM 2015-02: South Pacific Albacore |

**DATA AND STATISTICS THEME**

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| ***ST THEME – Working Papers*** |
| **ST-WP-01** | Williams P. Scientific data available to the Western and Central Pacific Fisheries Commission. |
| **ST-WP-02** | Peatman T, et al. Better purse seine catch composition estimates: progress on the Project 60 work plan |
| **ST-WP-03** | Peatman T. et al. Summary of longline fishery bycatch at a regional scale, 2003-2017. |
| **ST-WP-04** | Skirtun M., and C. Reid. Analyses and projections of economic conditions in WCPO fisheries. |
| **ST-WP-05** | Williams P and N. Smith. Requirements for enhancing conversion factor information. |
| **ST-WP-06** | Summary Report for the Third Electronic Reporting and Electronic Monitoring Working Group |
| ***ST THEME – Information Papers*** |
| **ST-IP-01** | SPC-OFP Estimates of annual catches in the WCPFC Statistical Area. |
| **ST-IP-02** | Williams P, I. Tuiloma and A. Panizza. Status of observer data management. |
| **ST-IP-03** | Williams P. Update on the use of cannery receipt data for the scientific work of the WCPFC. |
| **ST-IP-04** | Peatman T. et al. Summary of purse seine fishery bycatch at a regional scale, 2003-2017. Rev 1 |
| **ST-IP-05** | Moved to ST-WP-05  |
| **ST-IP-06** | Tanangonan I et al. Group Seine Operations of Philippine Flagged Vessels in High Seas Pocket 1 (HSP1). |
| **ST-IP-07** | Clark S. Purse seine fishing activity in PNA waters. |
| **ST-IP-08** | Tanangonan I et al. ~~Pilot Test of MARLIN (Electronic Logsheet) Operation in High Seas Pocket 1~~ The Use of Electronic Logsheet on Philippine Flagged Vessels Operating in High Seas Pocket 1 (Title changed 30 July 2018) |
| **ST-IP-09** | USA ideas on "ROP minimum standard data fields species of special interest” |

**STOCK ASSESSMENT THEME**

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| ***SA THEME – Working Papers*** |
| **SA-WP-01** | Farley J. et al. Update on age and growth of bigeye tuna in the WCPO: WCPFC Project 81 Rev 1 |
| **SA-WP-02** | Brouwer S. et al. A compendium of fisheries indicators for tuna stocks |
| **SA-WP-03** | Vincent M.T., G.M. Pilling and J. Hampton. Incorporation of updated growth information within the 2017 WCPO bigeye stock assessment grid, and examination of the sensitivity of estimates to alternative model spatial structures. |
| **SA-WP-04** | Kinoshita J. et al. Improvements in skipjack (*Katsuwonus pelamis*) abundance index based on the fish size data from Japanese pole-and-line logbook (1972–2017). Rev 1. |
| **SA-WP-05** | SPC-OFP Stock assessment of south Pacific albacore tuna in the WCPO Rev 2. |
| **SA-WP-06** | ISC PBT WG. Stock Assessment of Pacific Bluefin Tuna (*Thunnus orientalis*) in the Pacific Ocean in 2018 |
| **SA-WP-07** | ISC Billfish WG. Stock assessment for swordfish (*Xiphias gladius*) in the western and central north Pacific Ocean through 2016 |
| **SA-WP-08** | Common Oceans (ABNJ). Pacific-wide Silky Shark (*Carcharhinus falciformis*) Stock Status Assessment |
| **SA-WP-09** | Hampton J. Indicators of the spatial distribution of blue shark (*Prionace glauca*) in the North Pacific. |
| **SA-WP-10** | **Document moved to SA-IP-13** |
| **SA-WP-11** | ISC Shark Working Group. Stock Assessment of Shortfin Mako Shark in the North Pacific Ocean through 2016. |
| **SA-WP-12** | Common Oceans (ABNJ). Risk to the Indo-Pacific whale shark (*Rhincodon typus*) population from interactions with Pacific purse seine fisheries. |
| **SA-WP-13** | Farley J. et al. Progress on yellowfin tuna age and growth in the WCPO WCPFC Project 82 |
| ***SA THEME – Information Papers*** |
| **SA-IP-01** | Pilling G. and S. Brouwer. Report from the SPC pre-assessment workshop, Noumea, April 2018. |
| **SA-IP-02** | Davies et al. Developments in the MULTIFAN-CL software 2017-2018. |
| **SA-IP-03** | **Placeholder** |
| **SA-IP-04** | Evans K et al. Connectivity of tuna and billfish species targeted by the Australian Eastern Tuna and Billfish Fishery with the broader Western Pacific Ocean. |
| **SA-IP-05** | Aoki Y. et al. Annual trend in migration rate of skipjack from spawning grounds to off Japan. |
| **SA-IP-06** | Kiyofuji H. et al. Overview and availability of Japanese pole-and-line ﬁsheriesdata between 1960 and 1971. |
| **SA-IP-07** | Tremblay-Boyer et al. Background analyses for the 2018 stock assessment of south Pacific albacore |
| **SA-IP-08** | SPC-OFP and WCPFC Secretariat. Trends in the South Pacific Albacore Longline and Troll Fisheries. Rev 2, |
| **SA-IP-08a** | SPC-OFP Excel: SPA Vessel Number Latitude Flag. |
| **SA-IP-08b** | SPC-OFP Excel: SPA Catch Proportion Latitude Flag. |
| **SA-IP-09** | Clarke S. Historical Catch Estimate Reconstruction for the Pacific Ocean based on Shark Fin Trade Data (1980-2016). |
| **SA-IP-10** | Takeuchi Y. et al. Testing MULTIFAN-CL functionality for multispecies/multisex assessments, using SW Pacific swordfish. |
| **SA-IP-11** | Piner K. and R. Conser. Estimation of the ratio of spawning biomass of striped marlin above 20°N in the Central and Western North Pacific Ocean using the Japanese Distant Water Longline Fleet and the 2007 Stock Assessment. |
| **SA-IP-12** | ISC Billfish Working Group: Stock assessment update for striped marlin (*Kajikia audax*) in the western and central North Pacific Ocean through 2013 (SC11-SA-WP-10).  |
| **SA-IP-13** | ISC Shark Working Group: Stock Assessment and Future Projections of Blue Shark in the North Pacific Ocean through 2015 (SC13-SA-WP-10). |

**MANAGEMENT ISSUES THEME**

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| ***MI THEME – Working Papers*** |
| **MI-WP-01** | Takeuchi Y., G. Pilling, and J. Hampton. Minimum TRPs for WCPFC yellowfin consistent with alternative LRP risk levels. |
| **MI-WP-02** | Pilling G.M. et al. Technical aspects of a potential South Pacific albacore harvest strategy. |
| **MI-WP-03** | Scott R. et al. Selecting and Conditioning the operating models for WCPO skipjack. |
| **MI-WP-04** | Scott F et al. Performance indicators for comparing management procedures using the MSE modelling framework. |
| **MI-WP-05** | SPC-OFP. Key decisions for managers and scientists under the harvest strategy approach for WCPO tuna stocks and fisheries |
| **MI-WP-06** | SPC-OFP and Secretariat. Consultative Draft Terms of Reference for a WCPFC Science-Management Dialogue meeting Rev. 1. |
| **MI-WP-07** | Zhou et al Identifying appropriate reference points for elasmobranchs within the WCPFC |
| **MI-WP-08** | Pilling G. et al. Evaluation of CMM2017-01 for bigeye tuna |
| **MI-WP-09** | Escalle L. et al. and PNAO. Report on analyses of the 2016-2018 PNA FAD tracking programme. |
| **MI-WP-10** | Escalle L. et al. Estimates of the number of FADs active and FAD deployments per vessel in the WCPO |
| ***MI THEME – Information Papers*** |
| **MI-IP-01** | Work plan for the adoption of harvest strategies under CMM 2014-06 |
| **MI-IP-02** | Scott F et al. Technical developments in the MSE modelling framework |
| **MI-IP-03** | Scott R et al. Generating pseudo data in MULTIFAN-CL |
| **MI-IP-04** | SPC-OFP Catch and Effort tables on tropical tuna CMMs |
| **MI-IP-05** | Muller et al., Updating indicators of effort creep in the WCPO purse seine fishery |

**ECOSYSTEM AND BYCATCH MITIGATION THEME**

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| ***EB THEME – Working Papers*** |
| **EB-WP-01** | Senina I. et al. Impact of climate change on tropical Pacific tuna and their fisheries in Pacific Islands waters and high seas areas. |
| **EB-WP-02** | Rice J. Report for Project 78: Analysis of Observer and Logbook Data Pertaining to Key Shark Species in the Western and Central Pacific Ocean. |
| **EB-WP-03** | Peatman T. and N. Smith. A short note on the development of WCPFC seabird bycatch estimates for Project 68. |
| **EB-WP-04** | WCPFC Secretariat, SPC-OFP, ABNJ and ISC. Progress on the WCPFC stock assessments and shark research plan (summary table). |
| **EB-WP-05** | 4th Draft Consolidated Text for the Conservation and Management Measures for Sharks (for review by SC14) |
| **EB-WP-06** | Bigelow, K. and Y. Swimmer. Comparison of catch rates for target and non-target species by circle hook size captured in the Hawaii and American Samoa tuna longline fisheries DRAFT |
| **EB-WP-07** | **Document moved to EB-IP-13** |
| **EB-WP-08** | Okamoto K. et al. Review of studies on catch rates of commercial and bycatch species by hook type using in pelagic tuna longline fisheries |
| **EB-WP-09** | Ochi D. et al. Preliminary assessment of the risk to albatrosses from longline fishing Rev 1. |
| **EB-WP-10** | Debski I, K. Clements and F. Hjorvarsdottir. Hook-shielding devices to mitigate seabird bycatch: review of effectiveness. Rev 1. |
| **EB-WP-11** | Debski I. et al. Update on bycatch risks to seabirds in the Western Pacific. Rev 1 |
| **EB-WP-12** | ABNJ Tuna Project: Workshop on WCPFC Bycatch Mitigation Problem-Solving |
| **EB-WP-13** | ACAP. ACAP advice for reducing the impact of pelagic longline fishing operations on seabirds |
| **EB-WP-14** | ACAP. The conservation status and priorities for albatrosses and large petrels distributed in the WCPFC area |
| **EB-WP-15** | Wolfaardt et. al. The development of ACAP seabird bycatch indicators, data needs, methodological approaches and reporting requirements |
| **EB-WP-16** | Draft FAD MO IWG3 Guidelines for Biodegradable and Non-Entangling FADs V2 |
| ***EB THEME – Information Papers*** |
| **EB-IP-01** | Escalle L, S. Brouwer and G. Pilling. evaluation of FAD construction materials in the WCPO |
| **EB-IP-02** | Lyon W. et al. An update on Western and Central Pacific Fisheries Commission shortfin mako and silky shark post-release mortality tagging studies |
| **EB-IP-03** | Common Oceans (ABNJ). Safe release guidelines for sharks and rays |
| **EB-IP-04** | Kraft D.W. M. Hutchinson and B. Bowen. Pacific stock structure of the Silky shark (*Carcharhinus falciformis*) resolved with next generation sequencing |
| **EB-IP-05** | Abraham E. et al. Update on the seabird component of the Common Oceans Tuna Project – Seabird Bycatch Assessment Workshop |
| **EB-IP-06** | Swimmer Y. and C. Barceló. Blue shark and swordfish catch rates in Hawaii’s shallow-set longline fishery: Comparisons before and after regulations to reduce sea turtle bycatch. |
| **EB-IP-07** | Gilman E et al. FAO. 2018. Stakeholder Views on Methods to Identify Ownership and Track the Position of Drifting Fish Aggregating Devices Used by Tuna Purse Seine Fisheries with Reference to FAO's Draft Guidelines on the Marking of Fishing Gear. FAO Fisheries Circular 1163. Food and Agriculture Organization of the United Nations, Rome. |
| **EB-IP-08** | Gilman, E., M. Chaloupka and M. Musyl. Effects of pelagic longline hook size on species- and size-selectivity and survival. Reviews in Fish Biology and Fisheries 28: 417-433. |
| **EB-IP-09** | Gilman, E., P. Suuronen and M. Chaloupka. Discards by global tuna fisheries. Marine Ecology Progress Series  582: 231-252. |
| **EB-IP-10** | Fitzsimmons L. et al. Bycatch Management Information System (BMIS): redevelopment update. |
| **EB-IP-11** | Park T, S. Fukofuka, L. Bell, S. Clarke and N. Smith. An update on development of new identification materials and enhanced training to observers to support better identification of sharks and rays in observer data. |
| **EB-IP-12** | Japan: 2017 Implementation report of the Management Plan for Longline Fisheries Targeting Sharks |
| **EB-IP-13** | Katsumata N. et al. Trials of extension of horizontal aerial extent of tori-line for the Japanese small longliners operating in the Northwest Pacific Ocean |

**RESEARCH PROJECTS**

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| ***GEF ABNJ Shark and BMIS project*** |
| **RP-ABNJ-01** | Clarke S. and N. Smith. Update on the ABNJ (Common Oceans) Tuna Project’s Shark and Bycatch Components |
| ***JAPAN TRUST FUND*** |
| **RP-JTF-01** | Secretariat. Japan Trust Fund Status Report (2018)  |
| **RP-JTF-02** | Secretariat. Japan Trust Fund Steering Committee Report |
| ***PROJECT 35 BIGEYE BIOLOGY & 35b WCPFC TISSUE BANK*** |
| **RP-P35b-01** | Project 35b: WCPFC Tissue Bank |
| ***PACIFIC TUNA TAGGING PROJECT*** |
| **RP-PTTP-01** | PTTP-SC. Report of the PTTP Steering Committee |
| **RP-PTTP-02** | SPC-OFP. Pacific Tuna Tagging Project Report and Workplan for 2018-2021: Proj.42 |
| ***WEST PACIFIC EAST ASIA PROJECT*** |
| **RP-WPEA-01** | Secretariat. WPEA Project Progress Report |

**ANNUAL REPORT – PART 1**

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| **Symbol** | **CCMs** |
| AR-CCM-01 | Australia  |
| AR-CCM-02 | Canada |
| AR-CCM-03 | China  |
| AR-CCM-04 | Cook Islands |
| AR-CCM-05 | European Union |
| AR-CCM-06 | Federated States of Micronesia |
| AR-CCM-07 | Fiji |
| *Covered by its territories* | *France* |
| AR-CCM-08 | French Polynesia |
| AR-CCM-09 | Indonesia Rev 1 |
| AR-CCM-10 | Japan Rev 1 |
| AR-CCM-11 | Kiribati |
| AR-CCM-12 | Korea |
| AR-CCM-13 | Marshall Islands  |
| AR-CCM-14 | Nauru  |
| AR-CCM-15 | New Caledonia |
| AR-CCM-16 | New Zealand  |
| AR-CCM-17 | Niue  |
| AR-CCM-18 | Palau Rev 1 |
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| AR-CCM-20 | Philippines  |
| AR-CCM-21 | Samoa  |
| AR-CCM-22 | Solomon Islands  |
| AR-CCM-23 | Chinese Taipei |
| AR-CCM-24 | Tokelau Rev 1 |
| AR-CCM-25 | Tonga  |
| AR-CCM-26 | Tuvalu Rev 1 |
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| AR-CCM-28 | Vanuatu  |
| AR-CCM-29 | Wallis and Futuna  |
| *Covered by USA Annual Report* | *American Samoa* |
| *Guam* |
| *Northern Mariana Islands* |
| AR-CNM-30 | Ecuador |
| AR-CNM-31 | El Salvador  |
| AR-CNM-32 | Liberia |
| AR-CNM-33 | Mexico |
| AR-CNM-34 | Panama  |
| AR-CNM-35 | Thailand |
| AR-CNM-36 | Vietnam  |

**NGO and Others**

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| Pew Statement to SC14 |
| PLACEHOLDER |
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