# DRAFT AGENDA
# 2ND TECHNICAL COMMITTEE ON MANAGEMENT PROCEDURES MEETING

v20 April 2018

**Date:** 18–19 May 2018
**Location:** Bangkok, Thailand, Windsor Suites Hotel
**Time:** 09:00 – 17:00 daily

**Co-Chairs**: Ms Riley Jung-re Kim (IOTC Vice-Chairperson); Mr Hilario Murua (Scientific Committee Chairperson)

**Facilitator:** Graham Piling

18 of May Morning

**1. OPENING OF THE SESSION AND ARRANGEMENTS** (Co-Chairs)

**2. ADOPTION OF THE AGENDA AND ARRANGEMENTS FOR THE SESSION** (Chairpersons)

**3. ADMISSION OF OBSERVERS** (Chairpersons)

**4. DECISIONS OF THE COMMISSION RELATED TO THE WORK OF THE TECHNICAL COMMITTEE ON MANAGEMENT PROCEDURES** (IOTC Secretariat)

- 4.1 Resolution 16/09 – Terms of Reference
- 4.2 Outcomes of the 1st Session of TCMP
- 4.3 Outcomes of the 21th Session of the Commission meeting
- 4.4 Outcomes of the 20th Session of the Scientific Committee

**5. OVERVIEW OF THE EVALUATION OF MANAGEMENT PROCEDURES IN THE IOTC** (SC Chairperson)

- 5.1 The IOTC Process on adoption of management procedures (Including the Resolution 15/10 of the Management Framework) (SC Chair).
- 5.2 Management Procedures and MSE:
  - 5.2.1 Basic principles
  - 5.2.2 Roles and responsibilities, dialogue tools and feedback mechanism
- 5.3 SC proposal for the standard presentation of MSE results

**6 HANDS-ON WORKSHOP – DEMONSTRATION OF MSE TOOL** (Facilitator)

- 6.1 Demonstration of MSE tool
- 6.2 How to test different options on key inputs
- 6.3 HCR – MP creation
- 6.4 Discussion on trade-offs

18 of May Afternoon

**7 STATUS OF THE MANAGEMENT PROCEDURE EVALUATION/OPERATING MODELS** (Chairperson of WPM)

7.1 Albacore tuna (Iago Mosqueira, Vice-Chairperson of the WPM)
7.2 Bigeye tuna (Dale Kolody)
7.3 Yellowfin tunas (Dale Kolody)
7.4 Skipjack tuna (Hilario Murua, Chairperson of the SC)
7.5 Swordfish (Iago Mosqueira, Vice-Chairperson of the WPM)

19 of May Morning

**8 DISCUSSION ON THE ACTIONS NEEDED FOR THE ADOPTION OF MANAGEMENT PROCEDURES, INCLUDING BUDGET (Facilitator)**

8.1 Albacore tuna
8.2 Yellowfin tuna
8.3 Skipjack tuna
8.4 Bigeye tuna
8.5 Swordfish

**9 FUTURE DIRECTION OF THE TECHNICAL COMMITTEE ON MANAGEMENT PROCEDURES** (Chairpersons)

9.1 Workplan (Including new timelines/budget and resources needed)
9.2 Process and future meetings of TCMP

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**10 ADOPTION OF REPORT** (Chairpersons)

# APPENDIX 1
# TABLE OF PERFORMANCE INDICATORS ENDORSED BY SC18

| Candidate performance statistics | Performance measure/s | Summary statistic |
|---|---|---|
| **Measures: Sustainability** | | |
| **Objective: probability of maintaining stock in the Kobe green zone** | | |
| Mean spawner biomass relative to unfished | $SB/SB_0$ | Geometric mean over years |
| Minimum spawner biomass relative to unfished | $SB/SB_0$ | Minimum over years |
| Mean spawner biomass relative to $B_{MSY}$ | $SB/SB_{MSY}$ | Geometric mean over years |
| Mean fishing mortality relative to target | $F/F_{targ}$ | Geometric mean over years |
| Mean fishing mortality relative to $F_{MSY}$ | $F/F_{MSY}$ | Geometric mean over years |
| Probability of being in Kobe green quadrant | SB, F | Proportion of years that $SB \geq SB_{targ}$ & $F \leq F_{targ}$ |
| Probability of being in Kobe red quadrant | SB, F | Proportion of years that $SB < SB_{targ}$ & $F > F_{targ}$ |
| **Measures: Safety** | | |
| **Objective: maximize the probability of the stock remaining above the biomass limit** | | |
| Probability that spawner biomass is above 20% of $SB_0$ | SB | Proportion of years that $SB > 0.2SB_0$ |
| **Measures: Yield** | | |
| **Objective: maximize catches across regions and gears** | | |
| Mean catch | C | Mean over years |
| Mean catch by region and/or gear | C | Mean over years |
| Mean proportion of MSY | C/MSY | Mean over years |
| **Abundance: maximize catch rates to enhance fishery profitability** | | |
| Mean catch rates by region and gear | A | Geometric mean over years |
| **Measures: Stability in catches** | | |
| **Objective: maximise stability in catches to reduce commercial uncertainty (i.e. minimise year-to-year fluctuations in catches** | | |
| Mean absolute proportional change in catch | C | Mean over years of absolute ($C_t / C_{t-1}$) |

| Candidate performance statistics | Performance measure/s | Summary statistic |
|---|---|---|
| Variance in catch | C | Variance over years |
| Variance in fishing mortality | F | Variance over years |
| Probability of fishery shutdown | C | Proportion of years that C = 0 |

Note: All the candidate performance statistics are summarised using the XX$^{th}$ percentiles (e.g. XX=5/10/50) of their distributions over multiple stochastic realisations. The summary will include short and long-term time windows (e.g. 1, 3, 5, 10 and 20 years).