

**AGENDA FOR THE 1<sup>ST</sup> TECHNICAL COMMITTEE ON MANAGEMENT PROCEDURES  
MEETING**

**Date:** 20 May, 2017

**Location:** Yogyakarta, Indonesia

**Time:** 0900–1700 daily

**Co-Chairs:** Ahmed Al-Mazroui (Commission Chair); Hilario Murua (SC Chair)

**Facilitator:** Graham Piling

- 1. OPENING OF THE SESSION AND ARRANGEMENTS (Co-Chairs)**
- 2. ADOPTION OF THE AGENDA AND ARRANGEMENTS FOR THE SESSION (Chairperson)**
- 3. ADMISSION OF OBSERVERS (Chairperson)**
- 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 20th Session of the Commission and MPD meetings
- 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 Chairperson).
  - 5.2. Management Strategy Evaluation: basic principles
  - 5.3. Roles and responsibilities, dialogue tools and feedback mechanism
  - 5.4. SC proposal for the standard presentation of MSE results
- 6. STATUS OF THE MANAGEMENT PROCEDURE EVALUATION/OPERATING MODELS (Chairperson of WPM)**
  - 6.1. Albacore tuna (Iago Mosqueira, Vice-Chairperson of the WPM)
  - 6.2. Yellowfin and Bigeye tunas (Dale Kolody)
  - 6.3. Skipjack tuna (Hilario Murua, Chairperson of the SC)
  - 6.4. Swordfish (Iago Mosqueira, Vice-Chairperson of the WPM)
- 7. DISCUSSION ON THE ACTIONS NEEDED FOR THE ADOPTION OF MANAGEMENT PROCEDURES (Facilitator)**
  - 7.1. Albacore tuna
  - 7.2. Yellowfin and Bigeye tunas
  - 7.3. Skipjack tuna
- 8. FUTURE DIRECTION OF THE TECHNICAL COMMITTEE ON MANAGEMENT PROCEDURES (Facilitators)**
  - 8.1. Workplan (Including new timelines/budget and resources needed)
  - 8.2. Process and future meetings of TCMP

**APPENDIX I**  
**TABLE OF PERFORMANCE INDICATORS ENDORSED BY SC18**

| Candidate performance statistics  | Performance measure/s | Summary statistic  |
|---|-----------------------|--|
| <b>Measures: Sustainability</b>   |                       |  |
| <b>Objective: maximize the probability of maintaining stock in the Kobe green zone</b>  |                       |  |
| Mean spawner biomass relative to unfished   | SB/SB <sub>0</sub>    | Geometric mean over years  |
| Minimum spawner biomass relative to unfished  | SB/SB <sub>0</sub>    | Minimum over years   |
| Mean spawner biomass relative to B <sub>MSY</sub>   | SB/SB <sub>MSY</sub>  | Geometric mean over years  |
| Mean fishing mortality relative to target   | F/F <sub>targ</sub>   | Geometric mean over years  |
| Mean fishing mortality relative to F <sub>MSY</sub>   | F/F <sub>MSY</sub>    | Geometric mean over years  |
| Probability of being in Kobe green quadrant   | SB, F                 | Proportion of years that SB ≥ SB <sub>targ</sub> & F ≤ F <sub>targ</sub> |
| Probability of being in Kobe red quadrant   | SB, F                 | Proportion of years that SB < SB <sub>targ</sub> & F > F <sub>targ</sub> |
| <b>Measures: Safety</b>   |                       |  |
| <b>Objective: maximize the probability of the stock remaining above the biomass limit</b>   |                       |  |
| Probability that spawner biomass is above 20% of SB <sub>0</sub>  | SB                    | Proportion of years that SB > 0.2SB <sub>0</sub>                         |
| <b>Measures: Yield</b>  |                       |  |
| <b>Objective: maximize catches across regions and gears</b>   |                       |  |
| 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  |
| <b>Abundance: maximize catch rates to enhance fishery profitability</b>   |                       |  |
| Mean catch rates by region and gear   | A                     | Geometric mean over years  |
| <b>Measures: Stability in catches</b>   |                       |  |
| <b>Objective: maximise stability in catches to reduce commercial uncertainty (i.e. minimise year-to-year fluctuations in catches)</b> |                       |  |
| Mean absolute proportional change in catch  | C                     | Mean over years of absolute (C <sub>t</sub> / C <sub>t-1</sub> )         |
| 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<sup>th</sup> 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).