Provisional Agenda
Seventh Operating Model and Management Procedure Technical Meeting
Kaohsiung, Taiwan, 3-4 September 2016

Terms of Reference

A 2-day technical meeting, to take place immediately prior to ESC21, was recommended by the ESC20 with the following ToR:
(1) To define the structure of the Operating Model (OM) for the stock assessment to be conducted in 2017, and
(2) To initiate the design of a new MP that uses genetic tagging as the primary future index of recruitment index in lieu of the aerial survey index.

At its 2015 annual meeting, the EC agreed to Option A from the ESC (i.e. aerial survey in 2016 and 2017, pilot gene tagging starting from 2016 and development of a new MP).

Provisional Agenda

1. **Reconsideration of OM structure**

    1.1 Data inputs

    1.2 Model structure (size-age, fleets, seasons, etc.)

    Consider how to address changes in the size-age composition of the Indonesian catch and whether part of the catch could be allocated to a different fleet.

    Modelling selectivity (current approach) versus cohort-slicing for variable fishery components.

    1.3 Assumptions about selectivity, catchability, recruitment, growth, etc.

    1.4 Likelihoods

    Capability to use alternative likelihood components for the CK data (e.g., the Beta-Binomial).

    1.5 Handling of within-cell uncertainty

    Substantial progress was made during ESC19 to incorporate within-cell uncertainty in some key dependent variables. This needs further evaluation and documentation.

    1.6 Other?

2. **Technical issues for evaluation of unaccounted sources of mortality**

    Progress report and discussion of evaluation of unaccounted sources of mortality

3. **Design of a new MP**

    A work plan will be develop at the ESC. Here the discussion will focus on technical aspects related to the development of a new MP that uses the aerial survey (until 2017) and a recruitment index provided by genetic tagging (first estimate in 2018).

    3.1 MP structure

    3.2 Operating model and testing methods

    Data generation for gene tagging and, possibly, for close-kin if the latter is considered for use in the MP

4. **Code refinements and version control system**