

## OPERATING MODEL AND MANAGEMENT PROCEDURE TECHNICAL MEETING

### PROVISIONAL AGENDA

Alaska Fisheries Science Center, NOAA, Seattle, 13 to 17 July 2009

#### ***Terms of Reference***

Decide input data and final structure of operating model to be used at SC14 (September 2009) for stock assessment and constant-catch projections. This includes:

- a) OM structure
  - Input data for conditioning and likelihood specifications
  - Overcatch and CPUE scenarios
  - Axes of uncertainty (development of grid)
  - Goodness of fit / diagnostics
- b) Projection methods
  - TAC options to be considered and performance

#### ***Proposed Agenda***

##### **1. Inputs to the Operating Model**

*[Review any new information that may lead to modification of decisions made at SAG-ESC 2008.]*

- 1.1. Historical catches and size compositions.
- 1.2. CPUE scenarios.
- 1.3. Other data inputs.

##### **2. Reconsideration of Operating Models**

- 2.1 Review of inter-sessional analyses conducted by national scientists.  
*[Papers expected from national scientists on (1) performance of alternative model structures in conditioning, (2) new likelihood structure for 1990s tag data, (2) assumptions about natural mortality, (3) problems with plus group-maximum age, etc.]*
- 2.2 Consideration of additional estimation trials to be performed/evaluated during the meeting.  
*[We need to have code and graphics for evaluation of goodness of fit/diagnostics.]*
- 2.3. Definition of changes in the structure/parameterization of the conditioning model, including new data inputs and likelihood assumptions.  
*[Based on 2.1 and 2.2]*
- 2.4 Possible changes in the structure/parameterization of the projection model.  
*[I do not expect further issues here but we will review/document model assumptions.]*
- 2.5 Selection of a new candidate reference set, including specification of axes of uncertainty and weights to be used for constant-catch projections in 2009.
- 2.6 Selection of sensitivity trials.  
*[Note: initial list made at SAG 2008 - page 22 of report.]*

### **3. Constant-catch projections**

*[See SAG report pages 15-16]*

#### 3.1 TAC options and allocations

*[CCSBT has accepted 5 options recommended by ESC- in addition to 0-catch scenario. See paragraph 21 of the SFMWG report. Also some comments about TAC allocations in paragraph 22].*

#### 3.2 Time horizon for simulations.

#### 3.3 Performance statistics, tables and graphics

*[Need to examine linearity of outputs w/r to catch changes. Also need the performance statistics and graphs described in paragraphs 11 and 20 of the SFMWG report respectively. The statistics will need to indicate timeframes required to reach the Commission's interim rebuilding target reference point of 20% of the original spawning biomass.]*

### **4. Future MP work**

*[No results needed at next SC, but CCSBT expects new MP to be finalized in 2010? useful to have preliminary discussions.]*

#### 4.1 MP data inputs

#### 4.2 Initial discussion of robustness trials for MP evaluation.

#### 4.3 Other

### **5. Coding Issues and Workplan**

#### 5.1 Update code of OM / grid for constant-catch projections and associated graphics files.

#### 5.2 Distribution of simulation code and data/parameter sets to National Scientists.

#### 5.3 Scientists conduct Scenario modelling.

### **6. Close of meeting**

#### 6.1 Adoption of report

#### 6.2 Close of meeting