

Towards the development of an OMP for the Prince Edward Island Patagonian toothfish Fishery

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This document provides a framework of issues that require discussion by the Patagonian Toothfish Scientific Task Team in developing an OMP for the Prince Edward Island toothfish Fishery.

1. Assessment input data and deadlines

- a) Same data that are currently used in the assessment?
- b) Deadlines for data availability?

2. Operating models

- a) Single stock (?), based on Bela's assessment approach.
- b) Robustness test issues:
 - Biological parameter values, especially M
 - Proportional depredation on catches
 - Fixing K(?), sigmaR, relative weighting of CPUE and CAL data, value of steepness h
 - Retrospective pattern, given downward trend in trotline CPUE since 2012 which model does not mimic
 - Alternative historical selectivity assumptions
 - Past illegal catch levels

3. Data to be used in the CMPs

NOTES:

- *Relies on continuing data availability*
- *Previous attempt to develop an OMP was empirical using CPUE and mean length*

- a) Trotline CPUE
- b) Mean length of catch
- c) Tag-recapture data (what is future tagging level planned?)

4. Assumptions regarding the future

- a) Fishing gear to be used
- b) Full use of TAC?

5. Objectives and performance statistics

- a) Target abundance objective
- b) Performance stats for:
 - Catch
 - Risk (B/K)
 - Stability (AAV)
 - Economic viability (CPUE relative to some baseline)