

NARRATIVE:

1.2.4 Assessment of stock status. SWORDFISH (for both SWO North and South)

SUBJECT

>The score remains the same for North and South Atlantic swordfish: **SG ≥ 80**

1.2.4

SG100 There are assessment of the stocks status. The assessments take into account the major features relevant to the biology of the species and the nature of the UoA. Indicated above

1.2.4 Assessment of stock status.

-under SG100, the team may find it useful to consider whether management procedure / management strategy evaluation approaches were used to test the robustness of the stock assessment to uncertainty and alternative hypotheses.

- stock assessment model-based.

-“default” reference points described. $B_{MSY} = 40\%B_0$ and/or $PRI = 20\% B_0$

-While at SG80, the fishery may have estimated its own B_{MSY} .

New stock assessment models have been performed in 2022 for the SWO what constitutes a significant improvement in considering and representing the uncertainty of the current status of the stocks.

Complex and high scientific quality of the Stock assessments are prepared by experts from the best research institutions of the CPCs and also counting with external experts in fisheries on modelling if needed.

(a) Appropriateness of assessment to stock under consideration

SG100 The assessment takes into account the major features relevant to the biology of the species and the nature of the UoA.

(b) Assessment approach

SG80 The assessment estimates stock status relative to reference points that are appropriate to the stock and can be estimated

c) Uncertainty in the assessment

SG100 The assessment evaluates stock status relative to reference points in a probabilistic way

(d) Evaluation of assessment

SG100 The assessment has been tested and shown to be robust. Alternative hypotheses and assessment approaches have been rigorously explored.

(e) Peer review of assessment.

SG100 The assessment has been internally and externally peer reviewed.

MSE SWO N

Candidate Management Procedures (CMP) results for North Atlantic swordfish management strategy evaluation (SWO-N MSE) Introduction The Commission is scheduled to adopt a management procedure (MP) for North Atlantic swordfish in 2023. To support the Commission in this decision making, the Committee has prepared several documents, a webpage, and an interactive online platform (SWO-N Shiny App) which present the final reporting of CMP performance and trade-offs relative to predetermined performance metrics. A Trial Specification Document provides a detailed description of technical elements for this MSE. This appendix provides a brief description of CMP results.

https://www.iccat.int/Documents/Meetings/Docs/2023/REPORTS/2023_SCRS_ENG.pdf