

PROPOSED EDITS TO COUNCIL OPERATING PROCEDURE 15
Underline indicated new or revised text, ~~Strike through~~ indicates moved or deleted text

COUNCIL OPERATING PROCEDURE
Salmon Estimation Methodology ~~Updates and Reviews~~

15

Approved by Council: 07/10/85
Revised: 11/19/87, 03/09/89, 04/06/95, 06/23/97, 03/11/05; 3/14/08;

PURPOSE

To establish procedures for the review and Council approval of salmon estimation methodologies, utilizing the Scientific and Statistical Committee (SSC), SSC Salmon Subcommittee (SC), the Salmon Technical Team (STT), and the Model Evaluation Workgroup (MEW). The review of current and proposed methodologies for abundance and harvest projection, exempted fishing permits (EFPs), ~~and conservation objectives or other reference points used in salmon management~~ is intended to help clarify and support the analytical ~~technical~~ basis for the Council's management actions. The procedure is intended to provide peer review of ~~the~~ technical estimation and modeling procedures, to ensure the best and most objective technical analyses possible, to minimize confusion during the preseason ~~option development~~ salmon process, and to resolve disputes over methodology.

Examples of issues that could merit a full methodology review include new model algorithms, methods for incorporating base data into models, forecasting methods for major PFMC stocks, experimental design of proposed experimental fisheries, and technical changes to stock complexes or conservation objectives. Examples of issues that do not merit a full review include updating existing data sets in models, changing coded-wire-tag representation for modeled stocks, ~~adding new stocks to models, and~~ changing data ranges used to estimate parameters in models, or updating the Chinook abundance threshold used for Southern Resident Killer Whale management measures. Issues in this latter category will be reviewed within the MEW or STT and can be implemented without formal review by the SSC and approval of the Council; provided both the Council and SSC receive updates on such changes; however, if warranted, the Council may require additional review by the SSC.

~~OBJECTIVES~~ TIMELINE AND DUTIES

During the March and April Council meetings or at other appropriate times:
The SSC, SSC Salmon SC, STT, or MEW, ~~in conjunction with the STT and MEW~~, will may identify methodology issues which ~~need documentation and/or~~ merit a full review. The SSC and STT may also consider methodology issues proposed by other management entities, Council technical teams, or workgroups. The SSC Salmon SC and

STT is are responsible for jointly reviewing new or changed methodology as opposed to specific applications of the methodology, with the SSC Salmon SC focusing on the scientific merits and the STT focusing on feasibility and implementation.

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April Council Meeting:

The Council will review candidate topics proposed by the SSC, STT, or other Council workgroups or technical teams and approve preliminary topics for methodology review. Early notification and documentation of anticipated topics that may merit review in future years may also be conveyed to the Council.

Between the April and September Council Meetings:

Methodology review materials for preliminary topics are developed. The appropriate management entities, either themselves or with assistance from the MEW, are expected to develop the material needed for the review, including provide background information on procedures and data bases for methodologies undergoing full review, as well as early notification and documentation of anticipated changes in procedures for methodologies not under full review in a particular year.

The STT, SSC, and MEW may meet independently, prior to or in tandem with the September Council meeting, to receive an update on progress on the proposed methodology review topics.

~~Entities who submit proposals for the Methodology Review, are responsible for ensuring that materials they provide to the SSC and Council are technically sound, clearly documented, and identified by author. Documents should receive internal entity review before being sent to the Council. To provide adequate review time for the SSC, materials must be received in the Council office at least two weeks before scheduled review meetings.~~

September Council Meeting:

~~At the September meeting~~ The SSC and STT will inform the Council of which preliminary the methodologies candidate topics are ready for review and recommend a review schedule. Although not ideal, the Council may also consider additional methodology review topics at this meeting if deemed critical for the upcoming salmon season and workload considerations are evaluated. The SSC and STT also will notify inform the Council of assistance needed from the management entities responsible for providing the material needed for the review and of any assistance needed from PFMC

advisory bodies the MEW to accomplish the review. The Council will approve the final methodology review topics based on their expected readiness by the proposed review date and their suitability for implementation in the upcoming season.

Between the September and November Council Meetings:

Management entities, who submit proposals for Methodology Review, are responsible for ensuring that the review materials they provide to the SSC and Council are technically comprehensive sound, clearly documented, and identified by author. These materials and documents should receive internal entity review before being sent to the Council staff for distribution. To provide adequate review time for the SSC, materials must be received in by the Council office staff at least two weeks (10 business days) before the scheduled review meetings salmon methodology review, unless otherwise approved by the Executive Director. If this deadline cannot be met, it is the responsibility of the author to contact the SSC Chair, SSC Salmon Subcommittee Chair, STT Chair, and Council staff prior to the two-week deadline so appropriate arrangements, rescheduling, and cancellations can be made in a timely and cost-effective manner.

In preparation for the review, Council staff will work with the SSC Salmon SC and STT Chairs to develop a proposed agenda. The SSC Salmon SC and STT Chairs may independently assign roles and responsibilities for their members. Council staff will compile and post relevant materials received for the review along with the proposed agenda to the PFMC website and distribute to the SSC Salmon SC and the STT.

In October, the SSC Salmon SC and STT will meet jointly to conduct the Salmon Methodology Review. The MEW will also participate as needed. The SSC Salmon SC evaluates the scientific merits of potential methodologies in order to report Subcommittee recommendations to the full SSC, which subsequently provides final recommendations to the Council. The STT weighs the technical merits of review topics, especially in terms of feasibility and implementation.

November Council Meeting:

The SSC, STT, and MEW may meet prior to or in tandem with the November Council meeting. The SSC Salmon SC reports the outcomes of the salmon methodology review for the full SSC to consider. The full SSC then provides final recommendations, including any appropriate best scientific information available (BSIA) determinations, to the Council. The STT will also brief the SSC on the outcome of the methodology review and provide a statement to the Council regarding the methodology review and any proposed changes. The SSC and STT will report to the Council at the November meeting on the results of these reviews and provide recommendations for all proposed methodology changes. During the November meeting, the Council considers the recommendations and will may adopt all the proposed changes as appropriate. It is anticipated that the adopted changes would be implemented in the coming salmon season, unless the Council states otherwise. The Council may also or will provide guidance directions for handling unresolved methodology issues as they arise problems.

~~During each March meeting, the STT will report on the status of all current estimation procedures and models used in analyzing the management options and identify any problems or potential changes to model inputs or parameters that could occur prior to completion of the annual preseason management process in April.~~

<u>Timeframe</u>	<u>Action or Task</u>
<u>March-April Council meetings</u>	<u>Review topics identified/defined.</u>
<u>April Council meeting</u>	<u>Candidate topics proposed; Council approves preliminary topics.</u>
<u>May through August</u>	<u>Review topics developed by appropriate entities.</u>
<u>September Council meeting</u>	<u>Review topics readiness confirmed; Council approves final topics for review.</u>
<u>October</u>	<u>Conduct salmon methodology review. Review material due two weeks prior.</u>
<u>November Council meeting</u>	<u>SSC and STT report outcomes and make recommendations. Council adopts changes as appropriate for implementation in the upcoming salmon season (unless indicated otherwise).</u>
<u>March Council meeting (year plus one)</u>	<u>Changes are incorporated as appropriate in developing alternatives for salmon management measures.</u>