



---

## UPDATE ON ACTIONS ARISING FROM THE 12<sup>TH</sup> SESSION OF THE IPHC SCIENTIFIC REVIEW BOARD (SRB012)

PREPARED BY: IPHC SECRETARIAT (26 AUGUST 2018)

---

### PURPOSE

To provide the Scientific Advisory Board (SRB) with an opportunity to consider the progress made during the intersessional period, on the recommendations/requests arising from the SRB012.

### BACKGROUND

At the SRB012, the members recommended/requested a series of actions to be taken by the IPHC Secretariat staff, as detailed in the SRB012 meeting report (IPHC-2018-SRB012-R) available from the IPHC website, and as provided in [Appendix A](#).

### DISCUSSION

During the 13<sup>th</sup> Session of the SRB (SRB013), efforts will be made to ensure that any recommendations/requests for action are carefully constructed so that each contains the following elements:

- 1) a specific action to be undertaken (deliverable);
- 2) clear responsibility for the action to be undertaken (such as the IPHC Staff or SRB officers);
- 3) a desired time frame for delivery of the action (such as by the next session of the SRB or by some other specified date).

### RECOMMENDATION/S

That the SRB:

- 1) **NOTE** paper IPHC-2018-SRB013-03, which provided the SRB with an opportunity to consider the progress made during the inter-sessional period, in relation to the consolidated list of recommendations/requests arising from the previous SRB meeting (SRB012).
- 2) **AGREE** to consider and revise the actions as necessary, and to combine them with any new actions arising from SRB013.

### APPENDICES

[Appendix A: Update on actions arising from the 12<sup>th</sup> Session of the IPHC Scientific Review Board \(SRB012\)](#)



**APPENDIX A**  
**Update on actions arising from the 11<sup>th</sup> Session of the IPHC Scientific Review Board (SRB011)**

**RECOMMENDATIONS**

([para. 8](#)) **NOTING** that the core purpose of the SRB012 is to review progress on the IPHC scientific program, and to provide guidance for the delivery of products to the SRB013 in September 2018, the SRB **AGREED** that formal recommendations to the Commission would not be developed at the present meeting, but rather, these would be developed at the SRB013.

**REQUESTS**

Action No.	Description	Update
SRB012– Req.01 ( <a href="#">para. 18</a> )	<p><b><i>Pacific halibut stock assessment: 2018 - Data source development</i></b></p> <p><b>NOTING</b> the "map" presentation showing Recent Trend and Current Status, the SRB <b>REQUESTED</b> the IPHC Secretariat to further code the symbols to indicate relative stock sizes. An example approach for time series was provided via email and code can be made available.</p>	<p><b>Completed.</b> The ideas discussed at SRB012 are being incorporated into the presentation of the assessment and will be discussed at SRB013.</p>
SRB012– Req.02 ( <a href="#">para. 24</a> )	<p><b><i>Modelling updates: Graphical and tabulation tools for presentation of currently implemented reference points, potentially including a phase plot</i></b></p> <p>The SRB <b>NOTED</b> that the phase plot presentation showing historical stock status and fishing intensity is a common and informative way to present fishery status. However, the perception of fishery status depends on the choices for reference points (i.e. vertical and horizontal lines in the spawning biomass and fishing intensity dimensions, respectively) and corresponding zones. Therefore, the SRB <b>REQUESTED</b> that the plot not be coloured with discrete "stoplight" colours. It is important that the IPHC Secretariat make it clear to viewers that (1) that F46% is the implied fishing intensity given relatively recent catch history, and (2) that the implied biomass target associated with F46% is not at the crosshairs given in the plot.</p>	<p><b>Completed.</b> The ideas discussed at SRB012 are being incorporated into the presentation of the assessment and will be discussed at SRB013.</p>



Action No.	Description	Update
SRB012– Req.03 ( <a href="#">para. 28</a> )	<p><b>Outcomes of MSAB011</b></p> <p>With respect to the above two excerpts from <a href="#">IPHC-2017-SRB011-R</a>, the SRB <b>AGREED</b> to the following clarifications:</p> <p>a) <a href="#">IPHC-2017-SRB011-R</a>, paragraph 24 simply recognizes that perfect knowledge simulation will under-represent short- and medium-term risks to both the stock and fisheries that result from persistent stock assessment errors. The SRB also <b>NOTED</b> that <a href="#">IPHC-2017-SRB011-R</a> paragraph 24 does not imply concatenating short-term projections from the ensemble assessment model with long-term projections from the MSE.</p> <p>b) The SRB <b>NOTED</b> that the original intent of <a href="#">IPHC-2017-SRB011-R</a>, paragraph 28 was to exclude OM states and parameters that resulted in quasi-extinction of the stock before 2017 and <b>REQUESTED</b> that, by SRB013, the IPHC Secretariat confirm that this problem no longer exists so that the full OM distribution can be used.</p>	<p><b>Completed.</b> Estimation error has been introduced into the simulation framework, including error in parameter estimation, catch determination, and autocorrelation. Trajectories are also being tested for quasi-extinction and results will be discussed at SRB013.</p>
SRB012– Req.04 ( <a href="#">para. 33</a> )	<p><b>Updates to MSE framework and closed-loop simulations</b></p> <p>The SRB <b>AGREED</b> that with respect to all of the topics listed above in <a href="#">paragraph 32</a>, it cannot make an objective assessment of the appropriateness of choices and methods used in the MSE OM conditioning and projections in the absence of simulation results. The SRB <b>REQUESTED</b> a presentation of MSE simulation results by SRB013.</p>	<p><b>Completed.</b> Results are presented in IPHC-2018-SRB013-06 and additional results will be presented at SRB013.</p>
SRB012– Req.05 ( <a href="#">para. 36</a> )	<p><b>Five-year research plan and management implications</b></p> <p>The SRB <b>NOTED</b> and was very pleased with the progress made integrating the biological, assessment, and MSE aspects of IPHC research, as well as the approach used to present this integration. The SRB further <b>REQUESTED</b> that the presentation approach be further developed and used to communicate IPHC research at future annual meetings.</p>	<p><b>Completed:</b> Will be presented again at SRB013 and future meetings.</p>



Action No.	Description	Update
SRB012– Req.06 ( <a href="#">para. 37</a> )	The SRB <b>REQUESTED</b> that readers of this report to refer to paragraphs 46-72 from <a href="#">IPHC-2017-SRB010-R</a> for in-depth background comments previously made on the biological research program components.	<b>Completed:</b> No action required
SRB012– Req.07 ( <a href="#">para. 39</a> )	The SRB <b>REQUESTED</b> that IPHC establish dedicated academic funding programs through which IPHC-funded university students participate in research activities.	<b>Pending.</b> This was included in the 2018 AM094 meeting documents but was not approved by the Commission, rather it was deferred for consideration again at AM095.