



**DRAFT: AGENDA & SCHEDULE FOR THE 10TH SESSION OF THE IPHC
MANAGEMENT STRATEGY ADVISORY BOARD (MSAB10)**

Date: 23–26 October 2017

Location: Seattle, Washington, U.S.A.

Venue: IPHC Training Room, Salmon Bay

Time: 23rd: 12:00-17:00; 24th-26th: 09:00-17:00 daily

Co-Chairpersons: Mr Adam Keizer (Canada) and Ms Rachel Baker (U.S.A.)

- 1. OPENING OF THE SESSION**
- 2. ADOPTION OF THE AGENGA AND ARRANGEMENTS FOR THE SESSION**
- 3. IPHC PROCESS**
 - 3.1. MSAB membership
 - 3.2. Outcomes of the 93rd Session of the IPHC Annual Meeting (AM093)
 - 3.3. Update on the actions arising from the 9th Session of the MSAB (MSAB09)
 - 3.4. Outcomes of the 10th Session of the Scientific Review Board (SRB10)
- 4. SIZE LIMIT ANALYSIS FOR 2017: Update**
- 5. GOALS, OBJECTIVES, AND PERFORMANCE METRICS**
 - 5.1. A review of the goals and objectives of the IPHC MSE process
 - 5.2. Performance metrics for evaluation
- 6. HARVEST STRATEGY POLICY, PART 1: SIMULATIONS TO EVALUATE FISHING INTENSITY**
 - 6.1. A description of the closed-loop simulation framework
 - 6.2. A review of variability and scenarios
 - 6.3. Management procedures related to fishing intensity
 - 6.4. Closed-loop simulations results
- 7. EVALUATING THE MANAGEMENT PROCEDURES**
 - 7.1. Discussion of the performance metrics reported
 - 7.2. Discussion of the results and trade-offs
 - 7.3. Recommendations to bring to 2018 Annual Meeting (AM094)
- 8. HARVEST STRATEGY POLICY, PART 2: ADDRESSING STOCK AND TOTAL CONSTANT EXPLOITATION YIELD (TCEY) DISTRIBUTION**
 - 8.1. Review procedures to distribute the TCEY among IPHC Regulatory Areas
 - 8.2. Recommendations to bring to the 2018 Annual Meeting (AM094)

9. MSAB PROGRAM OF WORK 2018-22

9.1. Priorities for 2018

9.2. Priorities for 2019-22

10. OTHER BUSINESS

10.1. IPHC meetings calendar (2017-19): MSAB

11. REVIEW OF THE DRAFT AND ADOPTION OF THE REPORT OF THE 10th SESSION OF THE IPHC MANAGEMENT STRATEGY ADVISORY BOARD (MSAB10)



**SCHEDULE FOR THE 10TH SESSION OF THE IPHC
MANAGEMENT STRATEGY ADVISORY BOARD (MSAB10)**

Monday, 23 October 2017				
Time	Agenda item	Lead	Reference document	Objectives and Details
12:00–12:30	Arrive: light snack lunch provided			
12:30–12:40	1. Opening of the Session	Co-Chairpersons		Welcome attendees and introductions for new members and observers
12:40–12:45	2. Adoption of the agenda and arrangements for the Session	Co-Chairpersons	IPHC-2017-MSAB10-01	Achieve agreement on agenda and objectives for this meeting Explain the process of drafting the report, end of the day reviews, and drafting sessions Achieve a common understanding of responsibilities, i.e. rapporteur and drafting the report
12:45–12:50	3.1. MSAB Membership	IPHC Secretariat	IPHC-2017-MSAB10-03	
12:50–13:00	3.2. Outcomes of the 93 rd Session of the IPHC Annual Meeting (AM093)	IPHC Secretariat	IPHC-2017-MSAB10-04	Achieve a common understanding of Commissioner recommendations from AM093
13:00–13:15	3.3. Update on the actions arising from the 9 th Session of the MSAB (MSAB09)	Co-Chairpersons	IPHC-2017-MSAB09-R	Achieve a common understanding of progress achieved on previous recommendations and requests, and how these have defined the agenda for MSAB10

Monday, 23 October 2017				
Time	Agenda item	Lead	Reference document	Objectives and Details
13:15–13:30	3.4. Outcomes of the 10 th Session of the Scientific Review Board (SRB10)	IPHC Secretariat	IPHC-2017-MSAB10-06	
13:30–14:30	4.0. Size Limit analysis for 2017: Update	I. Stewart	IPHC-2017-MSAB10-07	<p>Achieve a common understanding of Commissioner request and SRB recommendations on a size limit analysis.</p> <ul style="list-style-type: none"> Remind MSAB that size limits are not currently under evaluation by the MSAB, but have been identified as a potential component of management procedures <p>Achieve agreement about if and when size limits, as a management procedure component, should be evaluated by the MSAB</p>
14:30–15:00	5.1. A review of the goals and objectives of the IPHC MSE process	A. Hicks	IPHC-2017-MSAB10-08	<p>Review the current draft fishery goals and objectives</p> <ul style="list-style-type: none"> Link goals and objectives to various components of the Harvest Strategy Policy (Figure 1) Affirm thoughts on multi-area model and biocomplexity objectives Discuss potential process for Commissioner review and approval of objectives
15:00–15:30	Break			
15:30–16:30	5.2. Performance metrics for evaluation	A. Hicks	IPHC-2017-MSAB10-08	Achieve a common understanding of the performance metrics and how they relate to objectives
16:30–17:00	Unfinished business and review of the day	Co-Chairpersons		

Tuesday, 24 October 2017				
Time	Agenda item	Lead	Reference document	Objectives and Details
09:00–09:30	Recap of previous day	Co-Chairpersons		
09:30–10:30	6.1 A description of the closed-loop simulation framework	A. Hicks	IPHC-2017-MSAB10-09 pp. 1-15	<p>Become familiar with how the simulations have been conducted. MSAB to voice any concerns on the methods and whether the framework can address everyone's concerns. For example, is uncertainty incorporated in an appropriate manner?</p> <ul style="list-style-type: none"> • Review the harvest strategy policy figure. • Discuss how TM is allocated to the five fisheries. • Explain how weight-at-age and environmental variation are simulated.
10:30–11:00	Break			
11:00–11:45	6.1 A description of the closed-loop simulation (cont.)	A. Hicks	IPHC-2017-MSAB10-09	
11:45–12:00	6.2. A review of variability and scenarios	A. Hicks	IPHC-2017-MSAB10-09 pp. 16-20	<p>Review the role of “scenarios” in MSE. Achieve a common understanding of the current sources of variability included in the OM and the simulations.</p> <p>Review the results from conditioning the OM.</p> <ul style="list-style-type: none"> • Identify modifications to the simulation framework and assumptions

Tuesday, 24 October 2017				
Time	Agenda item	Lead	Reference document	Objectives and Details
				<ul style="list-style-type: none"> • Be aware of how uncertainty and variability in the OM differs from the assessment
12:00–13:00	Lunch			
13:00–13:30	6.3. Management procedures related to fishing intensity	A. Hicks	IPHC-2017-MSAB10-09 Appendix A	Review the role of “management procedures” in MSE. Review the management procedures that have been evaluated based on the recommendations from MSAB09.
13:30–15:00	6.4. Closed-loop simulations: Results	A. Hicks	IPHC-2017-MSAB10-09 Rev-1, and additional results provided at meeting	<p>Review the performance metrics calculated from simulation results to evaluate the management procedures</p> <ul style="list-style-type: none"> • Present long-term performance from the simulations • Consider tradeoffs between management procedures • Consider SRB advice on performance metric timeframes and achieve agreement on how to consider short-term and medium-term performance metrics • Identify additional performance metrics, tables, and figures to be reported the following day in agenda 7.1
15:00–15:30	Break			
15:30–16:30	6.4. Closed-loop simulations: Results (cont.)	A. Hicks	IPHC-2017-MSAB10-09 Rev-1, and additional results provided at meeting	
16:30–17:00	Unfinished business and review of the day	Co-Chairpersons		

Wednesday, 25 October 2017				
Time	Agenda item	Lead	Reference document	Objectives and Details
09:00–09:30	Recap from previous day	Co-Chairpersons		
09:30–10:00	7.1. Discussion of the performance metrics reported	Co-Chairpersons	IPHC-2017-MSAB10-08, IPHC-2017-MSAB10-09 Rev-1, and Results provided at meeting	<p>Achieve agreement on the suite of performance metrics to be used to describe the evaluation of management procedures</p> <ul style="list-style-type: none"> • Highlights of performance metrics discussion on previous day • Presentation of additional metrics, tables, and figures suggested in 6.4
10:00–10:30	7.2. Discussion of the results and trade-offs	Co-Chairpersons	Results provided at meeting	<p>Achieve a common understanding of management procedure performance based on 6.3-7.1, and any new performance metrics proposed by MSAB</p> <p>Achieve agreement on additional management procedures to evaluate in 2018</p>
10:30–11:00	Break			
11:00–12:00	7.3. Recommendations to bring to 2018 Annual Meeting (AM094): Fishing Intensity	Co-Chairpersons	IPHC-2017-MSAB10-09	<p>Given a common understanding on scenarios, management procedures (namely fishing intensity), fishery objectives, and performance metrics, achieve agreement on a recommended fishing intensity, or a range of fishing intensities under further consideration, that would meet the MSAB goals and objectives for presentation at IM094 and AM094</p>

Wednesday, 25 October 2017				
Time	Agenda item	Lead	Reference document	Objectives and Details
				Achieve agreement on whether tactical harvest advice for 2018 should be based on (1) the recommended management procedure from MSAB10 (namely fishing intensity), or (2) the status quo harvest strategy policy
12:00–13:00	Lunch			
13:00–14:00	8.1. Review procedures to distribute the TCEY among IPHC Regulatory Areas	A. Hicks	IPHC-2017-MSAB10-10	Become familiar with scale and TCEY distribution approach proposed at MSAB09.
14:00–15:00	8.2. Recommendations to bring to 2018 Annual Meeting (AM094): Distribution	Co-Chairpersons	IPHC-2017-MSAB10-10	Achieve agreement on recommended approach to explore stock distribution procedures (a component of TCEY distribution) at subsequent MSAB meetings.
15:00–15:30	Break			
15:30–16:00	8.2. Recommendations to bring to 2018 Annual Meeting (AM094): Distribution (cont.)	Co-Chairpersons	IPHC-2017-MSAB10-10	Achieve agreement on recommended approach to explore distribution procedures (a component of TCEY distribution) at subsequent MSAB meetings. <ul style="list-style-type: none"> • Discuss whether the TCEY distribution framework can meet fishery objectives
16:00–17:00	Unfinished business and review of the day	Co-Chairpersons		

Thursday, 26 October 2017				
Time	Agenda item	Lead	Reference document	Objectives and Details
09:00–09:30	Recap from previous day	Co-Chairpersons		
09:30–10:00	9.1. Priorities for 2018	Co-Chairpersons & A. Hicks	IPHC-2017-MSAB10-11	Review the work plan and verify priority items to address at AM094, MSAB11, and MSAB12
10:00–10:30	9.2. Priorities for 2019–22	Co-Chairpersons & A. Hicks	IPHC-2017-MSAB10-11	Review the work plan and verify priority items to address at AM095 and beyond
10:30–10:45	Break			
10:45–11:00	10.1. IPHC meetings calendar (2017–19): MSAB	IPHC Secretariat	http://iphc.int/meetings-and-events/calendar.html	Achieve a common understanding of IPHC meeting calendar and reporting of MSAB progress at IM094 and AM094
11:00–12:00	IPHC Secretariat drafting Session	IPHC Secretariat		
12:00–13:00	Lunch			
13:00–17:00	11. Review and Adoption of the Report of the MSAB10	Co-Chairpersons & D. Wilson		Review and adoption of the Report of the MSAB10