



**WCPFC
MANAGEMENT OBJECTIVES WORKSHOP**

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GLOSSARY OF TERMS

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Glossary of terms¹

The following is a list of definitions for technical terms used throughout this paper. Terms and definitions generally reflect those that are commonly used for the development and evaluation of fisheries harvest control rules.

Control measure: the unit used to control the amount of fishing or resource extraction allowed (e.g., catch or effort) according to some indicator (e.g., stock status).

Harvest Strategy: specifies target and limit reference points and management actions associated with achieving the targets and avoiding the limits

Harvest control rule (HCR): specific course of action that indicates the specific amount of catch, effort, or fishing mortality based on some indicator of the current system state (e.g., stock status).

Harvest policy: general guidelines specifying how harvest levels should be set or how much fishing should be allowed.

Limit reference point (LRP): a benchmark which defines undesirable states of the system that should be avoided or achieved with very low probability.

Management objectives: the social, economic, biological, ecosystem, and political (or other) goals specified for the fishery.

Management options: alternative management procedures from which recommended management actions will be chosen.

Management procedures: a set of formal actions, usually consisting of data collection, stock assessment, and harvest control rules, to iteratively and adaptively manage a fishery.

Management strategy evaluation (MSE): a simulation-based analytical framework to evaluate performance of alternative management procedures when developing a fishery management system.

Performance metrics: a set of consistent statistics used to evaluate how well Management objectives have been achieved.

Simulation: an imitation of a real world system used to gain insight into how the system operates.

Stochastic projections: provide an estimate of the distribution of potential future outcomes, integrating uncertainty in key inputs, from a particular set of management procedures.

Target reference point (TRP): a benchmark which assesses the performance of management in achieving one or more operational management objectives.

Total allowable catch (TAC): a type of control measure that specifies the maximum level of harvest that can be taken during the specified time frame.

Total allowable effort (TAE): a type of control measure that specifies the maximum level of effort that can be applied during the specified time frame.

Total allowable fishing mortality (TAF): a type of control measure that specifies the maximum fishing mortality rate that can be imposed during the specified time frame.

Trigger reference point (TrRP): a particular state of the system that triggers a predefined change in the management response.

¹ Adapted from WCPFC-SC8-2012/MI-WP-03, Introduction to HCRs for WCPO Tuna Fisheries (SPC-OFP)

