

STRAWMAN – LOGBOOK AUDIT WITH STANDARD CONFIGURATION CAMERA AND INTEGRATED TOOLS
Preliminary document for discussion at September 2014 EM Workgroup meeting

Note: This strawman is based on the one for the standard configuration camera; highlighted text identifies text that has been changed to customize this strawman for the logbook audit approach.

Alternative X--Proposed integrated monitoring approach using a logbook audit approach for the longline, sablefish, halibut, and P cod fisheries

Element 1: Implementation Vehicle

Option 1: Regulations

Option 2: EFP

Option 3: Other

Element 2: Available Funds (Analysis to consider these benchmarks as funding thresholds for just EM and/or whole fixed gear integrated program as appropriate---see element 3 below)

Option 1: \$600,000/yr.—represents approx. ½ budget for at sea monitoring of VS pool (2013/2014)

Option 2: \$1.2 million—represents approx. budget for at sea monitoring of VS pool (2013/2014)

Option 3: \$3.4 million—represents approx. value of 1.25% of fixed gear catch. (2013)

Option 4: \$5 million—represents approx. value of 2% of fixed gear catch

Element 3: Participating vessels

Option 1: All fixed gear catcher vessels

Option 2: Longline and pot vessels <57.5' where taking an observer is problematic

Option 3: Phased implementation with initial priority for Option 2 vessels; next priority for Option 1 vessels where EM reduces costs and/or improves quality.

Element 4: Vessel selection method/sampling design

Option 1: Vessels opt into EM strata on annual basis, random selection of a sub-set of vessels that opt in at some % for logbook audit; no logbook program for rest of vessels.

Option 2: Vessels opt into EM strata on annual basis, all vessels that opt in fill out logbooks and carry EM (600 to 800 vessels); random selection of a subset to process and validate logbook.

Option 3: Vessels apply to be in EM strata for long term basis; NMFS determines which vessels cannot take observer and move into EM strata on annual basis; vessel selection options 1 or 2 as above.

Element 5: Duration of EM coverage

Option 1: vessels fill out logbook for entire year; subset of trips randomly sampled.

Option 2: vessels fill out logbook for 2-6 month periods; all or a subset of trips randomly sampled.

Option 3: for vessels that opt into EM for long term basis; trips randomly selected and vessel notified to fill out logbooks for those trips.

Element 6: Human observer coverage level

A): Maintain human observer coverage at levels sufficient to collect biological samples and spatially and temporally specific data on species length, weight, and sex composition to support the use of EM data and other purposes.

a) Option 1: For <57.5' stratum

b) Option 2: for all fixed gear vessels (single stratum)

B) Use dockside monitoring to collect needed biological samples

Element 7: Weight estimation

Option 1: Weight of retained catch would be based on landings information; piece counts of select discard species would be derived from logbook, validated by audit, and converted to weight estimates based on average PRR weights.

Option 2: Weight of retained catch would be based on landings information; piece counts of select discard species would be derived from logbook, validated by audit, and converted to weight estimates based on temporally and spatially similar observer or survey data.

Element 8: Onboard handling procedures to improve accuracy for priority species (Priority species based on AFSC Feb, 13, 2014 letter)

A) Vessel specific monitoring plan identifying operator and crew duties needed to provide sufficient data quality.

B) Rockfish species:

a. Option 1: allow rockfish discards

b. Option 2: full retention of all rockfish with a validation process to ensure compliance; species Id and weight derived dockside

C) Discards of Sablefish, Halibut, P cod, Skate, Grenadiers, dogfish, and sharks would be recorded as piece counts in the logbook

a. Option 1: Also record grenadiers

D) Halibut release size, method, injury code

a. TBD

Element 9: Logbooks:

A) Logbook data used to provide set specific effort data including hook size, hook spacing, skate length, and number of skates/set.

B) Vessel operator maintains logbook piece counts for all discard species identified in element 8, C and D above, validated by EM audit.

Element 10: Data review services:

- A) All discards and drop-off identified to lowest taxonomic level.
 - a. Option 1: Allow Species Groupings:

B) XX% of hauls/trip manually reviewed following protocols as determined appropriate to validate logbook information on species identified is Element 8 (C & D) above.

Element 11: Dockside monitoring

~~Option 1: no dockside monitoring~~

Option 2: dockside monitoring supports QA/QC and hard drive/logbook collection (Canadian model)

Option 3: Dockside monitoring supports collection of biological samples (Canadian model)

Option 4: Dockside monitoring support validation of retained species ID. (Canadian model)

Element 12: Field Services:

Element 14: Incentives:

- a) vessel report card
- b) monetary incentives
- c) removal from EM pool

Element 15: Seabirds

