

**FIELDWORK COMPARISONS BASED ON STRAWMAN FOR LOGBOOK AUDITED WITH STANDARD CONFIGURATION CAMERA AND INTEGRATED TOOLS**

***Preliminary document for discussion at September 2014 EM Workgroup meeting***

## **Potential 2015 Field work comparisons for EM Audit**

### **Element 4: Vessel selection method/sampling design**

Evaluate “non-sampling” errors associated with less than 100% logbook audit coverage of opt in EM stratum.

### **Element 7: Weight estimation (SAME AS STANDARD CAM APPROACH)-----(to evaluate piece count to weight conversion methods)**

Option 1: Weight of retained catch would be based on landings information; piece counts of drop-offs and discards would be derived from video review 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 drop-offs and discards would be derived from video review 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. Evaluate ability of vessel operator/tools needed to record piece counts of discard in logbook within acceptable tolerances.

### **Element 9: Logbooks: (to evaluate purpose, platform, and necessary fields for EM logbook support)**

- A) Evaluate acceptable tolerances for logbook piece counts vs. data needs
- B) Evaluate needed EM review % for validation audit
- C) Elog—evaluate efficacy of using elogs to gather necessary data.

### **Element 11: Dockside monitoring (to evaluate costs and necessary tasks for EM support)**

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

Option 3: Evaluate costs for dockside monitoring of biological samples (Canadian model)

Option 4: Evaluate costs for dockside monitoring validation of retained species ID. (Canadian model)

### **Element 12: Field Services: (Estimate infrastructure needs to support various levels of EM/logbook deployment and costs)**

- a) Number of install/service ports
- b) Number of dockside monitoring ports
- c) Data collection
- d) QA/QC
- e) Data review
- f) other

**Element 14: Incentives:**

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