

WCR-Biannual Progress Review of Implementation of the NOAA Fisheries Electronic Technologies Policy October 2015 Update.

Policy Directive Metrics to Report

The number of FMPs with defined fishery-dependent data collection monitoring goals: **0 out of 4 possible**

West Coast Region has four FMPs: Salmon, Highly Migratory Species, Coastal Pelagic Species, and Pacific Groundfish. Although these FMPs have data reporting and collection requirements including observer coverage, none of the FMPs have fishery dependent data collection monitoring goals. Generally speaking, our current management of these fisheries has 100% state fish ticket requirements. For some fisheries there are required federal or state logbooks. Both the HMS and Groundfish Fisheries have observer programs. In the Groundfish fishery there are mandatory requirements for carrying observers in the catch shares fisheries (100% in shorebased IFQ and mothership catcher boat fleet and 200% in the mothership and catcher-processor fleets.) The Groundfish IFQ requirements include 100% monitoring of offloads by compliance monitors.

The number of FMPs reviewed to identify fisheries where the adoption of additional electronic technologies would be appropriate for achieving data needs: **4 out of 4 possible**

In the development of the Regional Electronic Technologies Implementation Plan for West Coast Fisheries, all FMPs were reviewed to identify fisheries where adoption of additional electronic technologies would be appropriate for achieving data needs. The Plan includes electronic fish tickets for all FMP fisheries, electronic logbooks for some fisheries, and use of electronic monitoring for some fisheries.

For fisheries where additional electronic technologies are identified as appropriate, the number of FMPs with electronic technologies incorporated into fishery-dependent data collection programs: **2 out of 4 possible**

The Pacific Groundfish FMP currently requires electronic fish tickets be submitted by first receivers for all IFQ landings. As a data quality control mechanism, compliance monitors also file fish tickets electronically. These tickets are compared to determine how the IFQ vessel accounts should be debited. The Highly Migratory Species FMP has a voluntary albacore e-logbook program. VMS is implemented in both Pacific Groundfish and HMS fisheries.

Additional Information in Response to Sept 16, 2015 Request

Address progress at the fishery level, i.e. the appropriate unit within a FMP that better reflects the application of electronic technologies. This might be a sector, cooperative, or other unit within an FMP, appropriate. For example, the plan for EM implementation in the New England Multispecies is two sectors out of 17 for next year.

FY2015 FMP Activities

Groundfish: In April 2015, NMFS WCR approved four applications for exempted fishing permits (EFPs) to test the use of electronic monitoring (EM) in the Pacific coast groundfish fishery. The EFPs allow participating vessels to use EM in place of human observers to meet requirements for 100-percent observer coverage in the Pacific Coast Groundfish Trawl Rationalization Program. NMFS issued EFPs to a total of 37 vessels, of which 22 are whiting midwater trawl, 8

are bottom trawl, and 7 are fixed gear (pots). Of these, 25 vessels have fished under the EFP since May and data from these EFPs is entering the Catch Shares accounting system. More vessels are expected to participate this fall. The Pacific Fishery Management Council recommended these EFPs for approval to inform the development of regulations for an EM program for the groundfish fishery. The process for moving the whiting midwater trawl EFP to regulations has started with the expectation that we will have final regulations by mid-May 2016.

HMS: At its September 2015 meeting, the Council adopted as a preferred alternative to maintain the 30% target observer coverage level at a minimum and/or require electronic monitoring (for the purpose of catch and bycatch accounting). Remove the unobservable vessel exemption. Achieve 100% monitoring by 2018.

FY 2016 FMP Activities

Attached Table shows the status of the WCR/PFMC Regional Electronic Technology Implementation Plan by stage of implementation. The following WCR rulemakings will affect 7 out of the 7 commercial groundfish sectors and 2 out of 5 commercial HMS sectors.

Electronic Monitoring of Groundfish Shoreside and Mothership whiting trawlers
Electronic Fish Tickets –Groundfish Sablefish fixed gear tier and daily trip limit fisheries
Electronic Flow scale monitoring-Groundfish Mothership and Catcher Processors
VMS implementation in HMS Deep Set Longline Fishery
Vessel Movement Monitoring in HMS and Groundfish Fisheries.

In addition to discussing which FMPs or fisheries are appropriate for the application of electronic technologies, include information on why other FMPs or fisheries are not being considered for the incorporation of electronic technologies.

All west coast FMP fisheries are being considered for incorporation of electronic technologies.

Other Update Information

FY2015 RFP Awards (National Fish and Wildlife-NFWF; Saltonstall-Kennedy-SK; Fisheries Information System/National Observer Program-FIS/NOP)

Number of Awards: A total of six Electronic Technologies Projects were awarded--totaling \$761,000 in federal funds.

Integrating Electronic Monitoring into the West Coast Groundfish Fleet (CA,OE,WA): Midwaters Trawlers Cooperative; NFWF *EMR Award: (271,710)*

Assessing Cost-effectiveness of Electronic Monitoring in the West Coast Groundfish Fishery (CA): Buccaneer Fishing NFWF Fisheries Innovation Fund Award: (\$111,750)

Operationalizing Electronic Monitoring in the West Coast Groundfish Catch Share Program-California Risk Pool Project, FIS/NOP (\$174,180)-complements Buccaneer Fishing award.

Use of Electronic Monitoring (EM) to achieve full accountability and cost effective implementation of EM in the West Coast Swordfish Drift Gillnet (DGN) Fishery: SK. (\$329,288)

Washington Commercial Fisheries Database Redesign and Electronic Fish Ticket Expansion Phase II: WDFW, FIS/NOP (\$154,085)

Testing Recreational Electronic Data Capture: Phase Two: WDFW , FIS/NOP (\$120,600)

Overview of WCR/PFMC Regional Electronic Technology Implementation Plan-By Stage of Implementation

Oct-15

Stages of Implementation-From Plan to Implementation

P Listed in Regional Electronic Technology Implementation Plan	listed as potential need
E In Exploration either via Exempted Fishing Permit or Research (Industry/NMFS)	From building prototype, Beta testing, to sorting out implementation issues
R In Regulatory Process --Specific Council Discussion/Analyses/regulations	From -Council has taken some specific action to NMFS preparing and publishing regulations
I Implemented	Data is actually flowing into the system and being used for management

Implementation of Electronic Technology

Vessel Monitoring System	Vessel Movement Monitoring System	Fishermens Log Book	Landing Fish Ticket	Electronic Monitoring
--------------------------	-----------------------------------	---------------------	---------------------	-----------------------

FMP/sector

Groundfish FMP

TIQ

*Non-whiting trawler	I	R	E	I	E/R
*Mothership whiting trawler	I	R	E	I	E/R
*Shoreside whiting trawler	I	R	E	I	E/R
*fixed gear	I	R		I	E/R

Sablefish

*Fixed gear Tier (TIQ)	I	R	E	R	
*Fixed gear Daily Trip Limit	I	R	E	R	
Open Access					
*all gears	I	R		P	

At-sea Processors (Catcher Processors/Motherships)

R-Flow Scale Monitoring

Highly Migratory FMP

*Purse Seine				P	
*Drift Gillnet	I	R	P	P	E
*Harpoon fishery for swordfish				P	
*Deep Set Pelagic Longline fishery	R			P	
*Surface Hook and Line (troll/bait)			E	P	

Coastal Pelagic FMP

Sardine/anchovy/squid

*Purse Seine			P-sardines	P/E	
--------------	--	--	------------	-----	--

Salmon FMP

*Troll				P	
--------	--	--	--	---	--