



NOAA
FISHERIES

West Coast
Region

West Coast EM Program Overview

August 22, 2019

Outline

- Overview of EM program and final rule
- EM program guidelines
- Roles and responsibilities and data flow
- Timelines for implementation

EM Program Overview

- Vessel owners can apply to use EM in place of observers to meet 100% coverage requirement
- Shorebased – catch monitor requirements
- Vessel owners responsible for procuring EM units and field services, video review and storage from approved EM providers
- Performance standards and general requirements in regs, defer to VMPs and EMSPs for specifics
- Whiting – maximized retention
- Logbook audit model
- Implementation January 1, 2021

How do EM program guidelines work?

- Best practices and other information that NMFS will use to evaluate proposed provider and vessel monitoring plans.
- Plans lay out the specifics of an individual provider's or vessel's operations.
- Allows variation between providers and vessels, provided the program's needs are met.

EM Program Guidelines - Vessels

- Vessel monitoring plan guidance
 - Catch handling language
 - Malfunction tables
- VMP templates
- Same as EFP

EM Program Guidelines - Providers

- Regulations establish general requirements:
“Procedures for tracking hard drives and/or data files throughout their use cycle,”
- Guidelines describe best practices:
“Hard drives/or data files should be individually labeled with a unique ID number. Each step of the HD/data file through the process, including access and by whom, should be logged so that chain of custody can be tracked.”
- EM Service Plan:
“HDs are individually labeled with a unique ID number that is tracked throughout their use cycle. The ID number and staff member name are logged when the HD is received, when the data files are extracted, and when the HD is scrubbed and returned to the field. The ID number is also logged by the captain on the manifest that accompanies the HD when it is mailed in.”

EM Program Guidelines - Providers

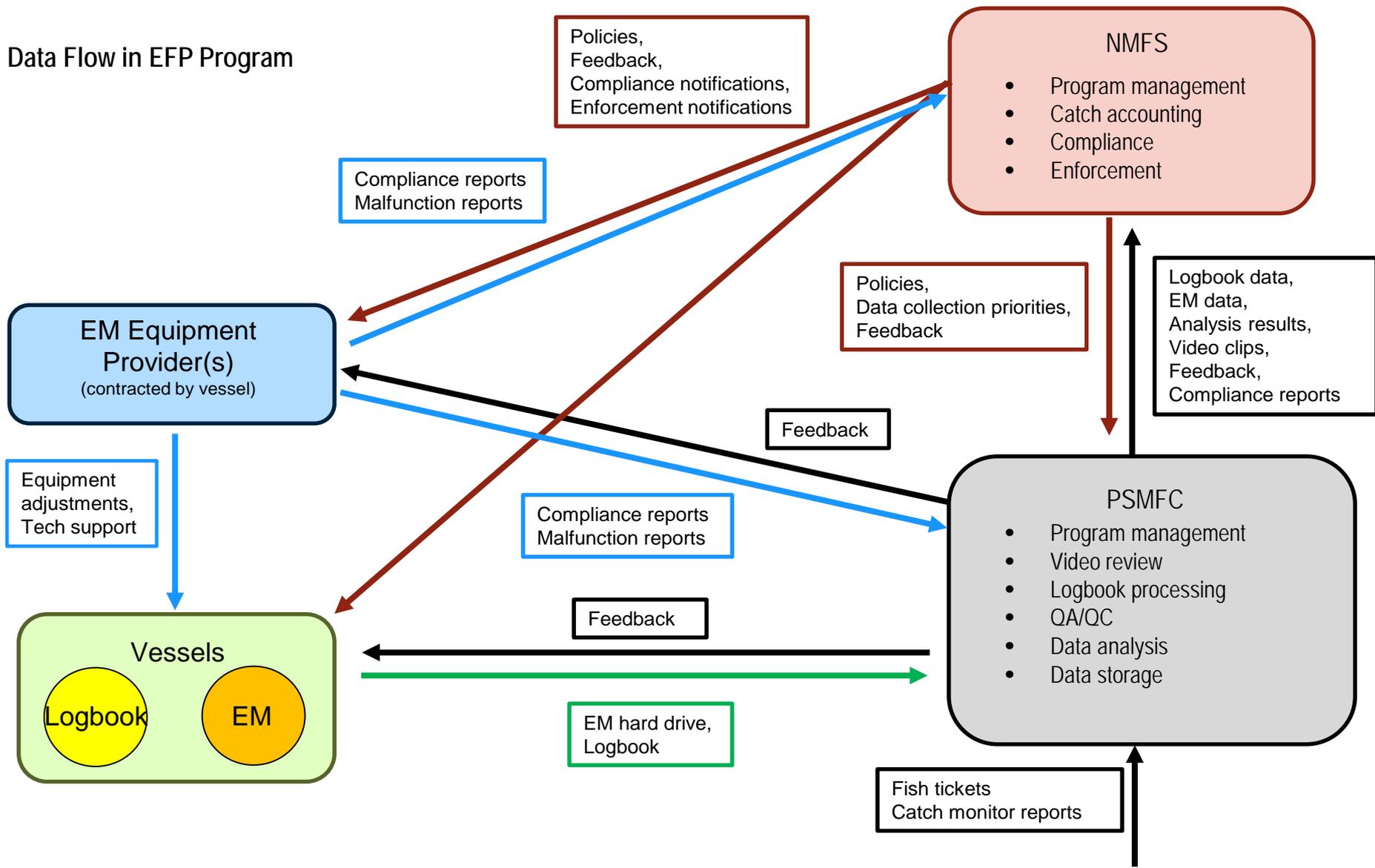
EM Program Guidelines (best practices)/EM Service Plan

- EM service plan template
- VMP templates
 - Catch handling language
 - Malfunctions tables
- Additional equipment specs for EM units, if any
- Specs for data storage, if any
- Best practices for any of the following:
 - A plan for provision of services including communications, service locations, response timelines, and procedures for services, repairs, technical support, and other program services;
 - Procedures for hiring and training of competent program staff to carry out EM field services and data services, including procedures to maintain the skills of EM data processing staff in:
 - Use of data processing software;
 - Species identification;
 - Fate determination and metadata reporting requirements;
 - Data processing procedures;
 - Data tracking; and,
 - Reporting and data upload procedures.
 - Procedures for tracking hard drives and/or data files throughout their use cycle, including procedures to ensure the integrity and security of hard drives or data files in transit, and for removing EM data from hard drives or other medium before returning them to the field;

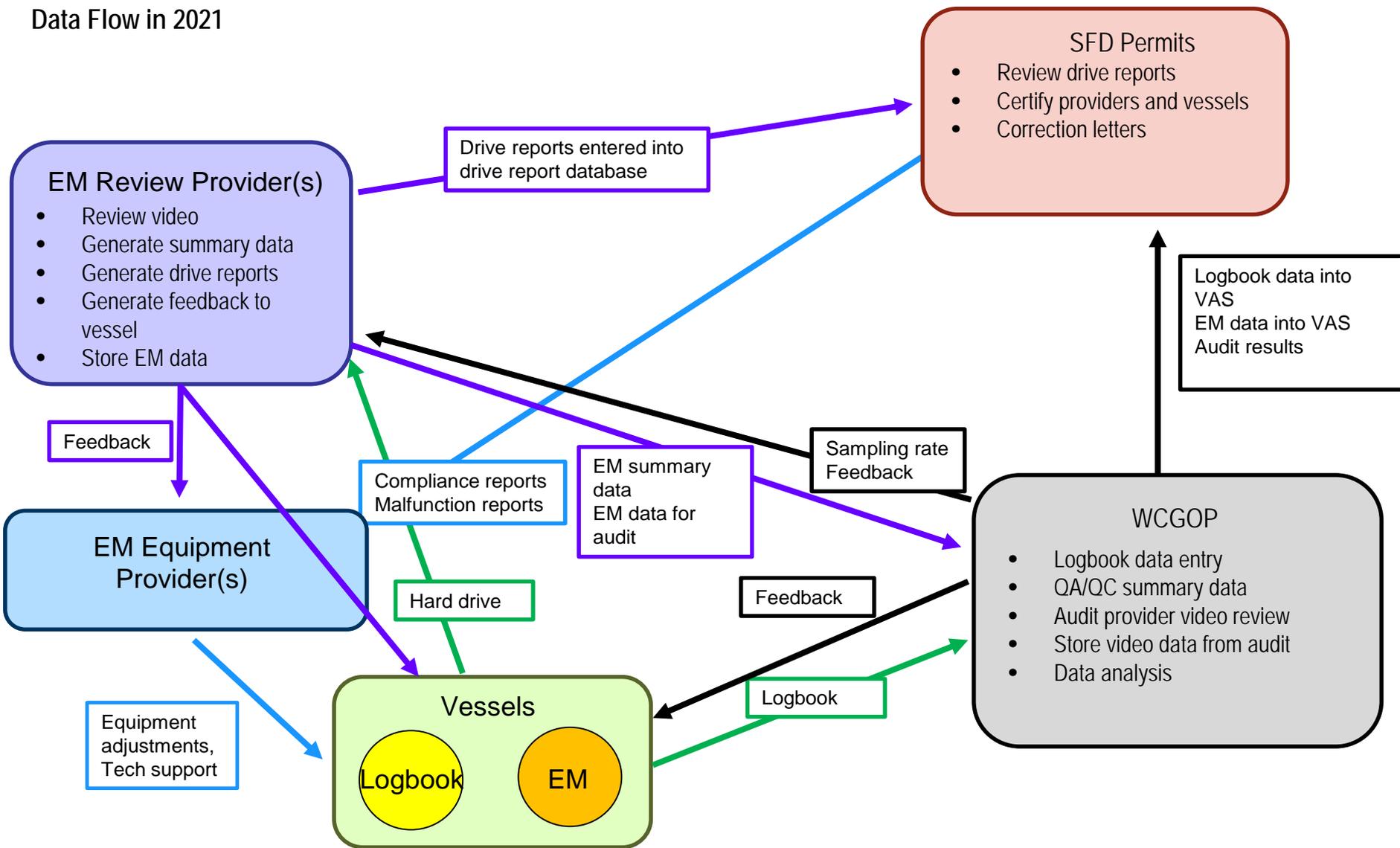
EM Program Manual (requirements)

- Sampling rate for video review
- Methods for ID species
- Methods for estimating weight
- Business rules for comparison of EM vs. LB data
- Format, data fields, and timing for the summary report
- Format, data fields, and timing for drive report
- Format, data fields, and timing for malfunction reports (tech assistance reports)
- Format and timing for submission of data for audit
- Protocol for provider audit and business rules for comparison of EM vs. EM
- Protocol and timing for correction and resubmission of data following audit
- Protocol and timing for providing vessel feedback
- Requirements for data storage and access

Data Flow in EFP Program



Data Flow in 2021



Date	Action
September 2019 Council meeting	Review draft EM Program Guidelines Level of video review and logbook audit business rules Reporting timelines and data flow Renew EM EFPs Reg changes?
November 2019 Council meeting	Review final EM Program Guidelines
December 2019	Publish final EM Program Guidelines and Manual
January-May 2020	Providers prepare apps and EMSPs
June 1, 2020	Provider applications due
June-September 2020	NMFS/Providers refine EMSPs
~September 2020	Provider permits issued
October 1, 2020	Vessel owner applications due
October-December, 2020	NMFS/Owners refine VMPs
December 2020	EM Authorizations issued