

**NOAA**  
**FISHERIES**

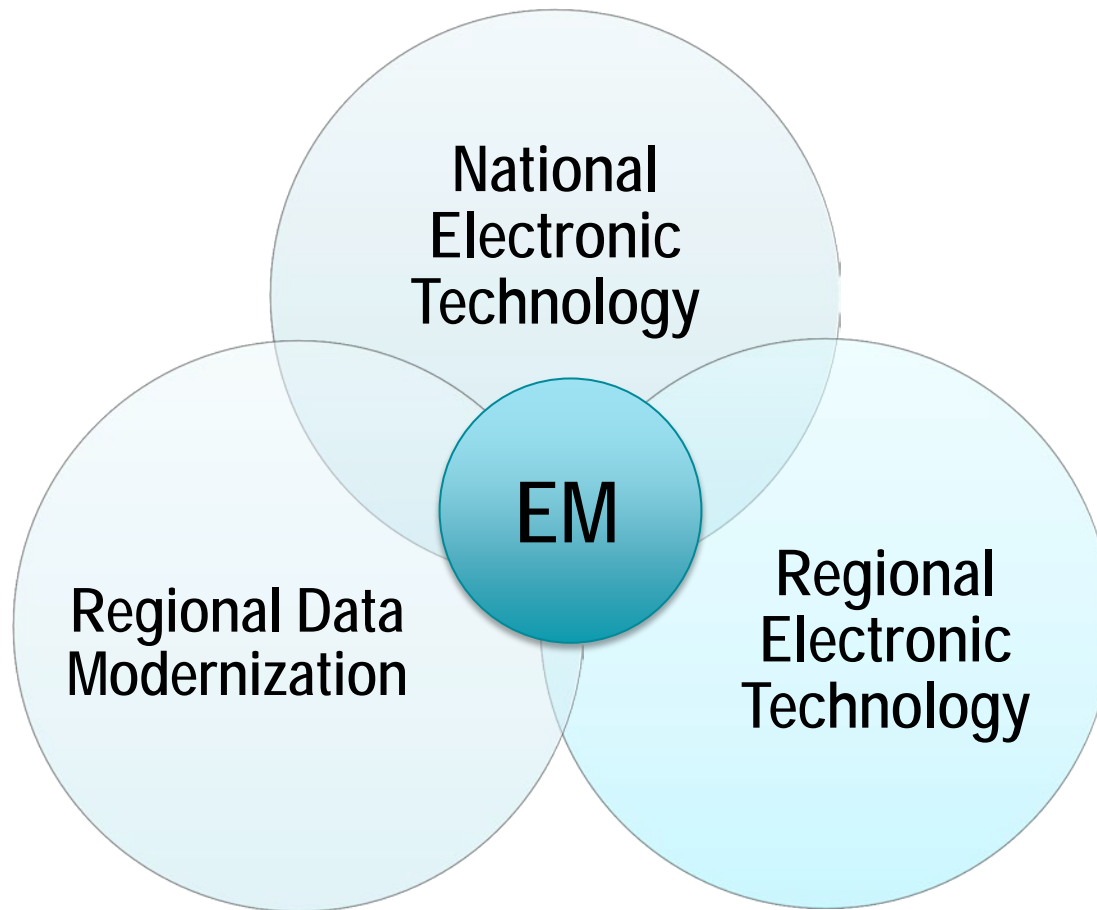
Greater Atlantic  
Regional  
Fisheries Office

# Electronic Technology in the Northeast

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Presentation to NEFMC  
Mystic, Connecticut

April 23, 2014

# Overview



# What is “electronic technology”?

Any electronic tool used to support catch monitoring efforts both on shore and at sea, including electronic reporting (e.g., e-logbooks, tablets, apps) and electronic monitoring (VMS, video cameras, and sensors).

# NMFS National Initiatives

## NMFS Electronic Technology Policy 30-133

- Consider ET
- Use open-source code or standards
- Programs need to identify funding sources
- Develop a Regional Implementation Plan

## ET Resources

- Guidance and Best Practices for EM/ER
- EM/ER white papers

## Coordination of priorities and funding

[http://www.nmfs.noaa.gov/op/outreach/18\\_em\\_er\\_discussion\\_draft.html](http://www.nmfs.noaa.gov/op/outreach/18_em_er_discussion_draft.html)

# Fishery Dependent Data Visioning Project

Joint project between GARFO, NEFSC, GMRI

## Phase I

- Evaluate fishery-dependent data needs throughout region from all constituents

## Phase II

- Map current systems to identify shortfalls and redundancies
- Identify tools to meet needs

# Fishery Dependent Data Collections Working Group

Joint team between GARFO and NEFSC, external members as needed

- Objective to improve efficiency, consistency, data quality and timeliness
- Day-to-day maintenance, standards, incremental improvements to existing systems
- Informs our position on new initiatives, like EM

# Electronic Vessel Trip Reports (eVTR)

Administered by GARFO for reporting

- All GAR vessels may use eVTR to meet VTR requirements
- Technical requirements
- 2 onboard systems approved:
  - FLDRS by NEFSC
  - FACTS by Electric Edge Systems Group

NEFSC expanding FLDRS to Mid-Atlantic fisheries

# NEFSC Electronic Monitoring Pilot

Led by NEFSC, Archipelago Marine Research, Ltd.

- 3 Phases
  1. Built capacity, initial comparison with ASM (2010)
  2. Explored methods to estimate weight, ID species (2011, 2012)
  3. Tested 2 approaches, developed protocols (2013)
- Final reports under development



# Northeast EM Workshop Goals

1. Building off lessons learned at the national EM workshop to explore how EM can be implemented in New England fisheries;
2. Building broader awareness of EM technologies among New England stakeholders, including regulators, managers, industry and the public;
3. Identifying clear goals for EM as a component of modernizing data collection and monitoring in candidate fisheries, including groundfish, scallops, and herring; and
4. Identifying key implementation challenges and developing specific recommendations for the Council and NOAA Fisheries.

# What are Your Goals for EM?

**Groundfish: Need total catch and effort, so...**

- For EM, validate self-reported discard information, and/or
- document compliance with maximized retention

**Herring: Need total catch and bycatch, compliance with slippage limits, so...**

- For EM, document and facilitate enforcement of slippage restrictions, and/or
- document compliance with maximized retention

**Scallops: Need total bycatch of flatfish and protected species, so...**

- For EM, validate self-reported discard information, and/or
- document compliance with maximized retention (flatfish)

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