



NOAA
FISHERIES

Atlantic HMS Electronic Technologies Implementation Plan

HMS Advisory Panel Meeting
March 2015

Electronic Technologies - Introduction

Electronic Technologies is an umbrella term for:

- *Electronic Monitoring* – video cameras & associated equipment to record video & fishing effort data, and vessel monitoring systems
- *Electronic Reporting* – electronic logbooks, mobile phone applications, web-based reporting

Interest in using Electronic Technologies in fisheries has grown as a way to:

- Reduce costs
- Reduce requirements for at-sea observers
- Increase timeliness and efficiencies in data collection programs
- Increase ease of reporting

Each NMFS region, including Atlantic HMS, has prepared an Electronic Technologies Implementation Plan for the next 5-10 years

Examples of Electronic Technologies in Fisheries

Electronic Monitoring:

- Northeast multispecies fishery pilot study -2010
- Bering Sea & Aleutian Islands groundfish fisheries - 2011
- Hawaiian longline fishery pilot study – 2010
- NMFS Electronic Monitoring White Papers - 2013

Electronic Reporting:

- Gulf/South Atlantic Charter/Headboat electronic logbooks (in development)
- IGFA/Columbia University/Florida FWC *CatchLog* application (<http://www.igfacatchlog.org/Default.aspx>)
- Harte Research Institute/Texas A&M *iSnapper* electronic logbook for GOM for-hire fisheries (<http://www.hartheresearchinstitute.org/isnapper>)

HMS Electronic Technologies Implementation Plan

- Primary objectives are to
 - improve quota and/or annual catch limit monitoring
 - ensure compliance with regulations
- Other objectives include, but are not limited to:
 - improving perceptions and stakeholder buy-in;
 - increasing data accessibility;
 - developing standardized reporting practices/systems that reduce reporting burden and enhance quality of submitted data

Electronic Technologies in Atlantic HMS Fisheries

Prior to 2015 - Electronic Monitoring

- VMS requirements in pelagic and bottom longline and shark gillnet fisheries to monitor compliance with closed areas

Prior to 2015 - Electronic Reporting

- Web-based reporting of Angling category bluefin tuna, swordfish, blue and white marlin, and sailfish landings
- Release Mako Smartphone application to report live releases
- eDealer – weekly electronic reporting by HMS dealers of all purchases

Expanding Electronic Technologies in the Near-term (1-3 years)

- VMS daily catch reporting of bluefin on PLL and PS vessels & IBQ system for PLL – effective Jan 2015
- EM (i.e, cameras) on PLL vessels to audit compliance with VMS daily catch reporting & IBQs – effective June 2015
- On-line catch reporting of bluefin catches on General, Harpoon, and Charter/Headboat vessels – effective Jan 2015

Expanding Electronic Technologies in the Near-term (1-3 years)

- Consideration of electronic BFT dealer reporting
- Electronic logbook pilot program (with SEFSC)
- Electronic Logbooks for Charter/Headboat (Coordination with South Atlantic/Gulf Councils)
- Recreational Catch Reporting App Development
- On-line HMS tournament registration & reporting development

Framework for Future (3-10 Years) Electronic Technology Implementation

6-phase process for future EM/ER development, including HMS AP & stakeholder input, including

- 1) Program assessment
- 2) Identification of goals/objectives
- 3) Program design
- 4) Pre-implementation
- 5) Implementation, and
- 6) Review and adaption

Electronic Technologies in Atlantic HMS Fisheries - Next Steps

- ✓ Prepare Atlantic HMS Electronic Technologies Implementation Plan; update with recommendations from March 2015 HMS AP meeting
- Continue implementation of Amendment 7 electronic technologies - underway
- Pursue electronic technologies opportunities as resources permit
- Update HMS Advisory Panel periodically

Questions?

Thank you!