



NOAA
FISHERIES

Electronic Technologies in Atlantic HMS Fisheries

HMS Advisory Panel Meeting
September 2014

Electronic Technologies

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, is preparing 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>)

Electronic Technologies in Atlantic HMS Fisheries

Electronic Monitoring

- VMS requirements in pelagic and bottom longline and shark gillnet fisheries to monitor compliance with closed areas
- Amendment 7 FEIS – preferred alternative to require cameras on pelagic longline vessels to audit compliance with VMS daily catch reporting and Individual Bluefin Quotas; preferred alternative to require daily catch reporting via VMS units on Purse Seine vessels

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
- Amendment 7 FEIS – preferred alternative to require General, Harpoon, and Charter/Headboat categories to report daily bluefin catches
- Web-based tournament registration & reporting development

Opportunities for Electronic Technologies in HMS Fisheries?

- *Additional Electronic Monitoring?* Which fisheries? What purpose?
- *Additional Electronic Reporting?* Which fisheries? What purpose?
- Partnerships with other groups?
- Other ideas, questions, or concerns?
- Next steps
 - Prepare Atlantic HMS Electronic Technologies Implementation Plan
 - Implementation of Amendment 7 electronic technologies
 - Pursue electronic technologies opportunities as resources permit
 - Update HMS Advisory Panel

Questions?

Thanks!