Changing the Face of Surveying and Charting

- National Charting Plan
- External Source Data Policy
- Hydrographic Survey Priorities: 20-year Survey Plan
- Autonomous Roadmap
- Balanced public/private partnership workflow
NATIONAL CHARTING PLAN
A strategy to transform nautical charting

**Purpose**  Improve NOAA nautical chart coverage, products, and distribution

**Improvements**
- **Reduce** unwarranted alarms
- **Convert** to metric
- **Provide** timelier data
- **Improve** chart coverage
- **Create** an orderly layout
- **Reduce** uncertainties
- **Improve** chart update information
- **Increase** efficiency

**Outcome**  Ease of access to more precise, higher-resolution charts that deliver the most up-to-date navigation information possible

Provide feedback by June 1, 2017  https://www.federalregister.gov/d/2017-03936
New NOAA ENC® for Merrimack River
External Source Data

- Use the best available data to update nautical charts
- Actively seek out ESD from traditional and new data sources
- Catalogue and evaluate all data offered to NOAA as ESD
- Honor any use constraints or conditions associated with a candidate dataset
- Prioritize incorporation of data that will make the most difference to the accuracy of charts
Hydrographic Surveys Priorities

Critical underkeel clearance areas in ports, approaches, corridors, and passes; and
Hydrographic Surveys Priorities

Reported or observed chart discrepancies
Hydrographic Surveys Priorities

Systematic, interdisciplinary seafloor mapping
Unmanned Systems
Autonomous Roadmap
NOAA Coast Survey Partnerships *every step of the way*

**Societal Benefits**
- Increase efficiency at ports
- Enhance coastal economy

**Product Distribution**
- Commercial Navigation Systems
- Paper Chart, Products, Printing, Distribution
- Commercial Chart Dissemination
- NOAA Digital Distribution

**Product Development**
- NOAA Cartography
- Contract Cartography
- Cartographic Systems
- NOAA Source Review and Ingest

**Data Collection**
- NOAA Surveys
- Contract Surveys
- External Sourced Data
- Survey System Vendors

**Research**
- NOAA R&D
- Partner R&D

Legend:
- NOAA in-house
- External to NOAA
- Partnerships
- Contracts
- Private sector activities not federally funded