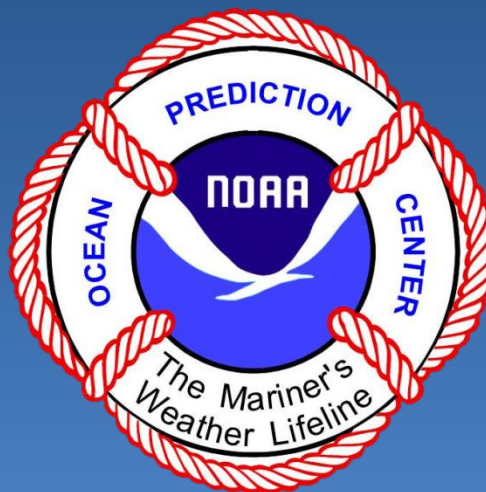




S-100 Maritime Meteorological Elements



LT Christine Schultz
Ocean Prediction Center
National Centers for Environmental Prediction
NOAA/National Weather Service



Project History

- **2009** – WMO intern encoded met-ocean objects into S-57 (35 objects, 33 attributes)
- **May 2012** – Joint WMO-IOC Technical Commission for Oceanography and Marine Meteorology (JCOMM) meeting
 - High priority: develop standards for marine met-ocean integration into ECDIS
 - JCOMM Expert Team on Maritime Safety Services (ETMSS) leading effort
- **October 2012** – OPC began collaboration with Office of Coast Survey to develop feature catalog



Current Involvement

- **National Weather Service Headquarters** – Office of Climate Weather & Water Services
 - Tim Rulon (ETMSS member)
- **Ocean Prediction Center:** GIS focal points
 - James Kells (marine forecaster)
 - Tim Collins (marine forecaster)
- **Office of Coast Survey** - Marine Charting Division
 - Julia Powell (technical expert)
- **ESRI:**
 - Jeff Donze (government contract liaison)
 - Dan Zimble (technical expert)

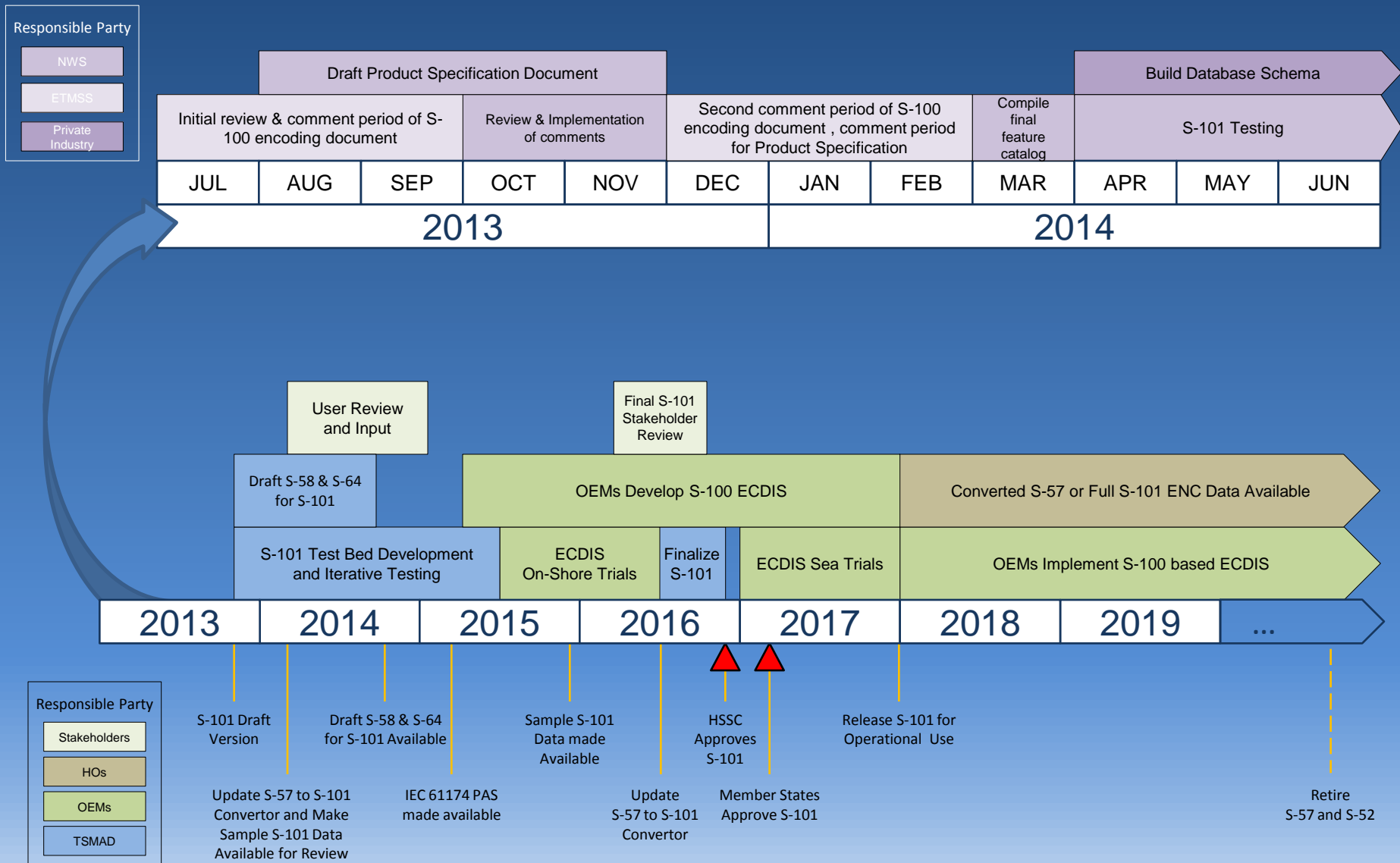


WMO Submission Package

- Project History/Overview
- Project Purpose/Justification
- Guide to Reading S-100 Feature Catalog
- WMO Comment Form
- Met-Ocean Feature Catalog
(42 objects, 57 attributes)
- Visual Met-Ocean Feature Catalog



WMO Met-Ocean Feature Catalog & S-101 Development





WMO Met-Ocean Feature Catalog & S-101 Development



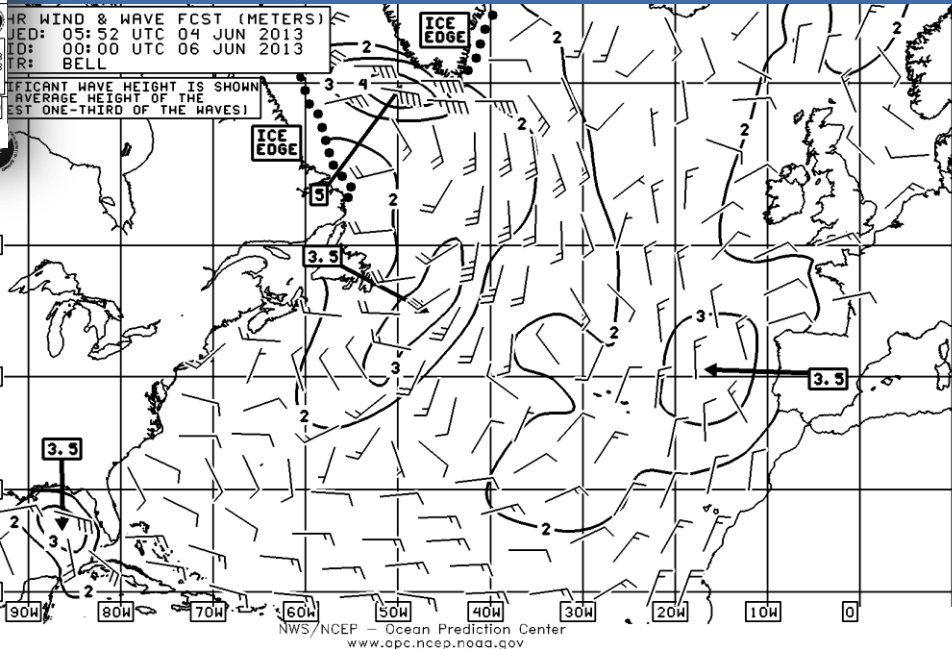
Responsible Party	
NWS	
ETMSS	
Private Industry	

Draft Product Specification Document					Build Database Schema						
Initial review & comment period of S-100 encoding document			Review & Implementation of comments		Second comment period of S-100 encoding document , comment period for Product Specification			Compile final feature catalog	S-101 Testing		
JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
2013						2014					

- **July 1, 2013** – WMO package submission
- **October 1, 2013** – End review period #1
- **December 1, 2013** – Begin comment period #2
- **March 1, 2014** – End comment period #2
- **April 1, 2014** – Complete met-ocean feature catalog



48 Hour Wind/Wave Forecast



Surface Analysis