



Non-Motorized Breakout

- Appropriate training requirements based on operations (ACA link)
- Risk Assessment should dictate carriage requirements
- High turnover rate and use of volunteers (training challenges)
- Expand the ASBE and provide training resources
- Create a forum and utilize Go Pro video as a training tool
- Establish a working group – best practices (maintenance, materials...)
- Limited qualified repair facilities, expand in house expertise
- Use of Paddle Boards





Class A, I, II Boats

Inspection:

- Qualify of SBEX by surveyors good and bad. Some are just checking a box
- Hard to find
- Surveyor qualifications??
- Guiding surveyors produces better SBEX
- Trailer maintenance Ignored
- **Action Item: Create specialized inspection forms; inflatable boats, etc.**

Procurement:

- VOC/SME/Operators need to be involved in SOW process; i.e. new boat builds, charter vessels, etc.
- **Action Item: Create library of SOW, lessons learned, etc.**

OMAO:

- Need clarification of policy requirements. Varied interpretation
- Training prioritization – some not able to get core training for ship personnel





Class A, I, II Boats

Communication:

- Some programs don't have hard copy of manual
- Universities don't comply with policies
- Disconnect between ship and program policies
- Need to have more outreach/community contact to avoid hostile interactions
- Need more intra-NOAA communication; charter vessel NAO, UAS requirements, consistent procedures/protocols between platforms
- **Action Item: Provide SBP with more ideas for distributing information. Website, NOAA Component, attendance at Summit, google site, VOC participate during SBSB meetings.**

Training:

- OLE in-service training working well. Need to address on post hiring training
- Need more access to external training opportunities: ABYC membership
- ABYC cost savings across line offices
- Mentorship program – utilize in house knowledge for training (We do Unique Stuff)



NOAA Small Boat Program





Class III and SRV

- Hotel issues
 - Galley, food, berthing
- Need stable funding
 - Maintenance
 - Personnel
- Human resources
 - Contractor turn over
 - Retention efforts
 - Training – obstacles for contractors
 - CG License requirement is a strength
 - STCW Basic could be a good requirement



Class III and SRV

- Ways to collaborate with white hulls
 - Training opportunities
 - Standards
- Material condition, engineering support
 - Address service life
 - Refresh tech and mission gear
 - Contracting support
- Resources for working off shore
 - Self sufficient
 - Medical
 - Engineering



Class III and SRV

- Messaging – Platform value
- Capture and publish day rates
- Visibility – ways to highlight Small Boats
- Ship alternative - flexibility
- Need to standardize day rate calculations



Unmanned Systems

Strengths: Established AOC policy provides governance for drones (UAVs). Existing ORM provides a solid framework for assessing the new risks.

Weakness: S&PM is silent on Unmanned Systems. Surface (ASV) and Underwater (AUVs) systems do not have clear governance.

Opportunities: SBP develop and promulgate best practices; SBP policy will avoid prescriptive language; Create an Unmanned Systems working group. Improve communication/collaboration by creating an Unmanned Systems category in the Small Boat Forum

Threats: Added liability for operators and licensed mariners. Small Boat Operators need to verify that AOC policy and Env. Compliance has been met. The lack of clarity on liability associated with unmanned systems operations.



Boats Deployed From Ships

Operations:

- Need to create opportunities for shared expertise
- Need clarification on manning requirement – 2 person requirement not safe for IB launch/recovery
- Consistency on procedures across platforms -

Training:

- Schedule/involve programs during gear trials for specific ship board training
- FRB requirements for program personnel??
- Some ships/personnel not getting required training due to competitive training policy

Policy:

- Need to understand relationship with the OMAO Supplemental and Manual
- Distribute the Ship Specific Instructions – Programs request updated versions annually
- Question raised on annual weight testing for inflatable boats. Current weight test puts risk on damaging IB
- Risk assessment review of man-rating requirement for crane launch/recovery





Survey/Mapping Breakout

Discussions primarily focused on Operations and Training

Strengths: Existing SBP policy is adequate. Many best practices have been established and are commonly used. NRTs can contribute mission PQS.

Weaknesses: BMPs, tools, and training are lagging behind the rate of mission change. Need for radio operator training and “demonstrate” proficiency in VHF radio comms in traffic. Staffing levels are low due to slow hiring process.

Opportunities: Standardization of coxswain training across hydro ships. Radio operator training.

Threats: New mission focus (NRTs addressing Unverified Chart Features) brings increased risk.



Diving Breakout

Strengths: Diversity of operations. Some units have extensive training programs, Some vessels are purpose built platforms.

Weakness: Majority of units do not have Mission Based Risk Assessments or mission PQS for Diving. Proficiency of SBO with dive operations. Lack of ORM/GAR for dive operations.

Opportunities: Create Mission Based Risk Assessments and SBO PQS for diving (and all specific missions on Small Boats) Provide as much training as practical, Dive specific GAR coming in the Spring 2020, Use Google SBP Forum to share knowledge and provide contacts / resources. SBS&PM 4.2 will provide additional clarification of responsibilities for diving.



NOAA Small Boat Program





Marine Life Breakout

- Utilize location technology when transiting known hotspots
- SBSPM Guidance – speed considerations, contacts,...
- Checklist and directions for when an encounter happens
- Photo documentation if a strike occurs
- Google forum - share best practices
- PPE when handling marine life and special precautions
- Ergonomic considerations when bringing marine life aboard





Weight Handling / Gear over the side

- Support resources
 - Stability training
 - Gear and crane training
- Hazards
 - Using gear beyond its intended design
 - Side loading
 - Dynamic loads
 - Bottom sampling from smaller boats
 - Free air swinging loads
 - Unplanned recoveries



Weight Handling / Gear over the side

- Stronger statement / clarification on dynamic load hazards
- Overload controls – hydraulic, electric limits
- Create a library of measured loading on typical science packages
- Incorporate practical risk elements
- Online resources, contract engineering support
- Create a library of equipment options, rope
- Share best management practices, forum tab
- Participate in a Lifting Gear Working Group



Fishing Operations

Operations:

- Need to create opportunities for shared expertise
- Involve all parties in mission based risk assessments; permitting, outreach, etc.
- Right size platforms – are we using the proper boat for the operation
- Develop ways to mark fishing gear – pair trawls
- **Action Item: Create a library of documents**

Mission Planning:

- Question on permitting for take?
- Request for PIFSC Mission Plan document
- Charter boat concerns. Recommendation for VOCs to be involved in the contracting process
- Training for scientist to handle fishing gear

Policy:

- Add wording to risk management section to prompt increased involvement in risk management – risk to mission due to bad press, permitting, etc.
- Need guidance on chartering – Charter Vessel NAO??
- Clarification on permitting; takes, permitted activities, etc.
- **Action Item: assign a facilitator to manage forums on google site**

