Pre-Cruise Safety Briefing
Emergency Evolutions

- Fire & General Emergency
- Abandon Ship
- Man Overboard
**Bunk #24**

**Fire**
- Muster on 01 deck aft.
- Stand by for instructions from crew.

**Security**
- Muster in galley.

**Abandon Ship**
- Muster on 01 deck aft.
- Stand by for instructions from crew.

**Oil Spill**
- Muster in galley.
- Stand by to assist.

**M. O. B.**
- Muster.
- Throw flotation device.
- Maintain constant lookout from 02 or 03 deck.
- Point at and keep MOB in sight.

**Collision**
- Muster on 01 deck aft.
- Stand by to assist.

**Medical**
- Muster in galley.
- Stand by to assist.

**Assigned Life Raft:** #1 STBD

**Rating:** Scientist

**BIOS**

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*Atlantic Explorer*
Covers the following:

- Fire
- Collision
- Grounding
- Any Emergency that may arise
> 10 seconds General Alarm
Report directly to Muster Station
– take life jacket, hat
If you’re not there . . . someone
WILL go looking for you
Two Muster Stations on vessel:

1. Primary - 01 Deck
2. Alternate - Aft Deck

At dock:
On dock
Once mustered, Science Party will be directed in how to assist or where to go, depending on the nature of the emergency.
BIOS
Bermuda Institute of Ocean Sciences

EEBD
Emergency Escape Breathing Device

Atlantic Explorer
Fire

Notify bridge immediately

Grab nearest fire extinguisher

Cut off ventilation
Portable Fire Extinguishers

Dry Chemical
Portable Fire Extinguishers

CO₂

Don’t touch spout!
PASS mnemonic:
P - Pull pin
A - Aim at base
S - Squeeze trigger
S - Sweeping motion
ABANDON SHIP
Abandon Ship

More than 6 short + Prolonged

A B A N D O N S H I P

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18
Abandon Ship

Muster as if for ‘Fire & General Emergency’
(If not already mustered)

Life Rafts will then be launched
(Instruction during Abandon Ship Drill)
Life Rafts

STBD

#1

#3

Bermuda Institute of Ocean Sciences

Atlantic Explorer
Life Rafts

PORT

#4

#2
SAR Equipment

- EPIRBs
- SARTs
- Radios
- Distress Signals
EPIRBs

STBD

GPS model

no wait for satellite triangulation
EPIRBs

PORT

Deployment:

• Manual
• Automatic
SARTs

#1 in Teaching Lab

- VHF based AIS
- Built in GPS
#2 in Bridge - PORT
Survival Radios
Distress Signals
Man Overboard
3 long – MOB
Man Overboard

- Muster as you would for ‘Fire & General Emergency’
- Will be put to work as lookout
Man Overboard

- Get word to bridge
- Throw flotation device
- Point – and keep pointing
- Don’t take eyes off victim
- Work your way up
Your help as a lookout is greatly appreciated but, for your safety, please leave the actual rescue of a person overboard to the crew are trained for this operation.
Safety on Deck

All persons have the authority to stop an operation on deck if they see something they feel is unsafe, regardless of their role.
Safety on Deck

Once an operation is stopped and the situation remedied, only the Person in Charge (PIC) on deck in agreement with the Officer on Watch on the Bridge can restart the operation.
Proper PPE

The following are the minimum PPE to be worn during Deck Ops:

• Work Vest
• Hard Hat
• Closed-toed, closed-heeled shoes
Proper PPE

Other PPE may be required at the discretion of the PIC on Deck:

- Gloves
- Safety Glasses/Goggles
- Knee Pads
- Protective Clothing
- Hearing Protection
- Etc.
• When going out on deck, please go in pairs.
• When underway or at night, let the Bridge know if you are going on the back deck for any reason.
• Let the Bridge know once you are back inside.
Lab Safety

• Gloves & goggles rated for present hazard.

• If safety equipment not working, notify immediately.

• Volatile & toxic chemicals under fume hoods.
Lab Safety

• Take time to do things safely.

• Review the location of:
  ➢ Spill control kits
  ➢ Emergency equipment
  ➢ Other safety features
Lab Safety

• Do not eat, drink, or smoke in lab spaces.
• Do not block:
  ➢ Fire extinguishers
  ➢ Eye wash stations
  ➢ Safety showers
Shipboard Health

- Ship Officers are trained to deal with most medical situations that may arise while at sea.
- Supported by Shore-side advisory service.
- Will respect your confidentiality.
- Please bring an issue, no matter how small, to their attention to mitigate it becoming a greater issue when we are further from shore.