



EXIT

Emergency Egress

ENABLING OBJECTIVES

- DESCRIBE THE PURPOSE, FUNCTION, COMPONENT PARTS, OPERATING CHARACTERISTICS, SAFETY PRECAUTIONS & MAINTENANCE REQUIREMENTS FOR THE EEBD
- DESCRIBE THE ALLOWANCE & STOWAGE REQUIREMENTS FOR EEBD'S ABOARD SHIP
- DESCRIBE THE ALLOWANCE & STOWAGE REQUIREMENTS FOR SEEDS ABOARD SHIP

ENABLING OBJECTIVES

- DESCRIBE the purpose, function, component parts, operating characteristics, safety precautions & maintenance requirements for the Supplementary Emergency Egress Device (SEED)
- DESCRIBE the purpose & requirements for use of Photoluminescent Paint aboard ship

TEN COMMANDMENTS OF DAMAGE CONTROL

☆ KEEP YOUR SHIP WATERTIGHT

🕒 DO NOT VIOLATE MAT'L CONDITION

🕒 HAVE CONFIDENCE IN YOUR SHIP'S ABILITY TO
WITHSTAND SEVERE DAMAGE

🕒 ***KNOW YOUR WAY AROUND -- EVEN IN
THE DARK!***

🕒 KNOW HOW TO USE & MAINTAIN DAMAGE CONTROL
EQUIPMENT

🕒 REPORT DAMAGE TO THE NEAREST DCRS

🕒 KEEP PERSONAL ARTICLES PROPERLY SECURED

TEN COMMANDMENTS OF DAMAGE CONTROL

- 🕒 PRACTICE PERSONAL DAMAGE CONTROL.
PROTECT YOURSELF SO YOU CAN PROTECT
YOUR SHIP!
- 🕒 TAKE EVERY POSSIBLE STEP TO SAVE THE SHIP
AS LONG AS A BIT OF HOPE REMAINS.
- 🕒 KEEP COOL; DON'T GIVE UP THE SHIP!

EMERGENCY EGRESS

- Personnel **must** perform Emergency Egress within 96 hours after arriving onboard and every 6 months thereafter
- Document on PQS Boards

PHOTOLUMINESCENT PAINT

- Primary purpose:
 - Provide rapid Emergency Egress information
 - Identify locations of selected DC systems & Equipment
- Use paint or preformed signs
- 3-M Corporation sole provider for signs
- Ref: NSTM 079 Vol 2 pgs 18 - 23

Emergency Escape Breathing Device

(EEBD)

EEBD Description

Self-contained Breathing Device

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Non-rechargeable, Non-repairable

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Non-rechargeable, Non-repairable

Provides 15 minutes of Oxygen

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Provides 15 minutes of Oxygen

Provides flash and eye protection

EEBD Description

Self-contained Breathing Device

Non-rechargeable, Non-repairable

Provides 15 minutes of Oxygen

Provides some flash and eye protection

Weighs 5 pounds

EEBD Description

Self-contained Breathing Device

Non-rechargeable, Non-repairable

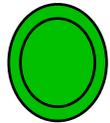
Provides 15 minutes of Oxygen

Provides some flash and eye protection

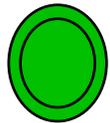
Weighs 5 pounds

Components

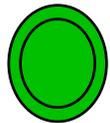
Hood



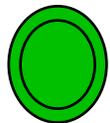
Nomex Shell



Clear Viewing Window

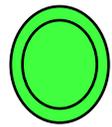


Elastic Neck Seal



Support Harness

Components



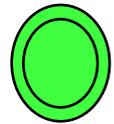
Nomex Shell

Provides flash protection

Similar material to shell of the FFE

Includes no thermal barrier

Components

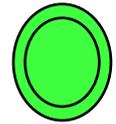


Clear Viewing Window

Permits vision

NOT flame resistant

Components



Elastic Neck Seal

One size fits all

No clothing or hair

Components

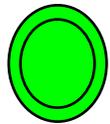
Support Harness

Automatically adjusts to fit

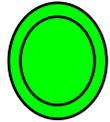
Supports life support pack

Components

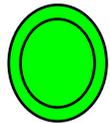
Life Support Pack



Oxygen Generator

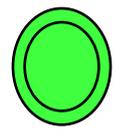


Carbon Dioxide Scrubber



Relief Valve

Components



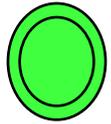
Oxygen Generator

Breakdown of Sodium Candle

By-products are salt and heat

Operates for 15 minutes

Components



Carbon Dioxide Scrubber

Reacts with Lithium Hydroxide

By-products: ?

Operates until reactant is exhausted

DONNING PROCEDURES

- OPEN CASE & REMOVE DEVICE
- OPEN VACUUM BAG
- PULL OUT ACTIVATING RING
- LISTEN FOR “HISSING” SOUND
- GRASP HOOD WITH THUMBS IN ELASTIC NECK BAND AND STRETCH OPEN
- PULL HOOD DOWN ON FOREHEAD

SAFETY PRECAUTIONS

- Stay away from flames for a minimum 15 Minutes (recommended) due to O₂
- Avoid neck seal leakage
- Unit is hot to touch
- Use for egress only **not** firefighting
- When activated, ensure no flames are present

AFLOAT SAFETY INFORMATION FOR MAY 1997

- **Area of discrepancy:**
- Use, care, and maintenance of Personal Protective Equipment
 - “EEBD donning & operation knowledge is low”
 - “Photoluminescent paint markings were missing or worn”

Allowances

Ship's Complement 150%

Embarked Personnel 100%

Stowage

Berthing Compartments 100%

(One EEBD for each sleeping surface)

Stowage

Main Engineering Spaces

200% of maximum manning

(Two EEBD's per each GQ watchstander)

Shelf Life

United States Navy

16 Years

Manufacture date stamped on
Humidity Indicator Card

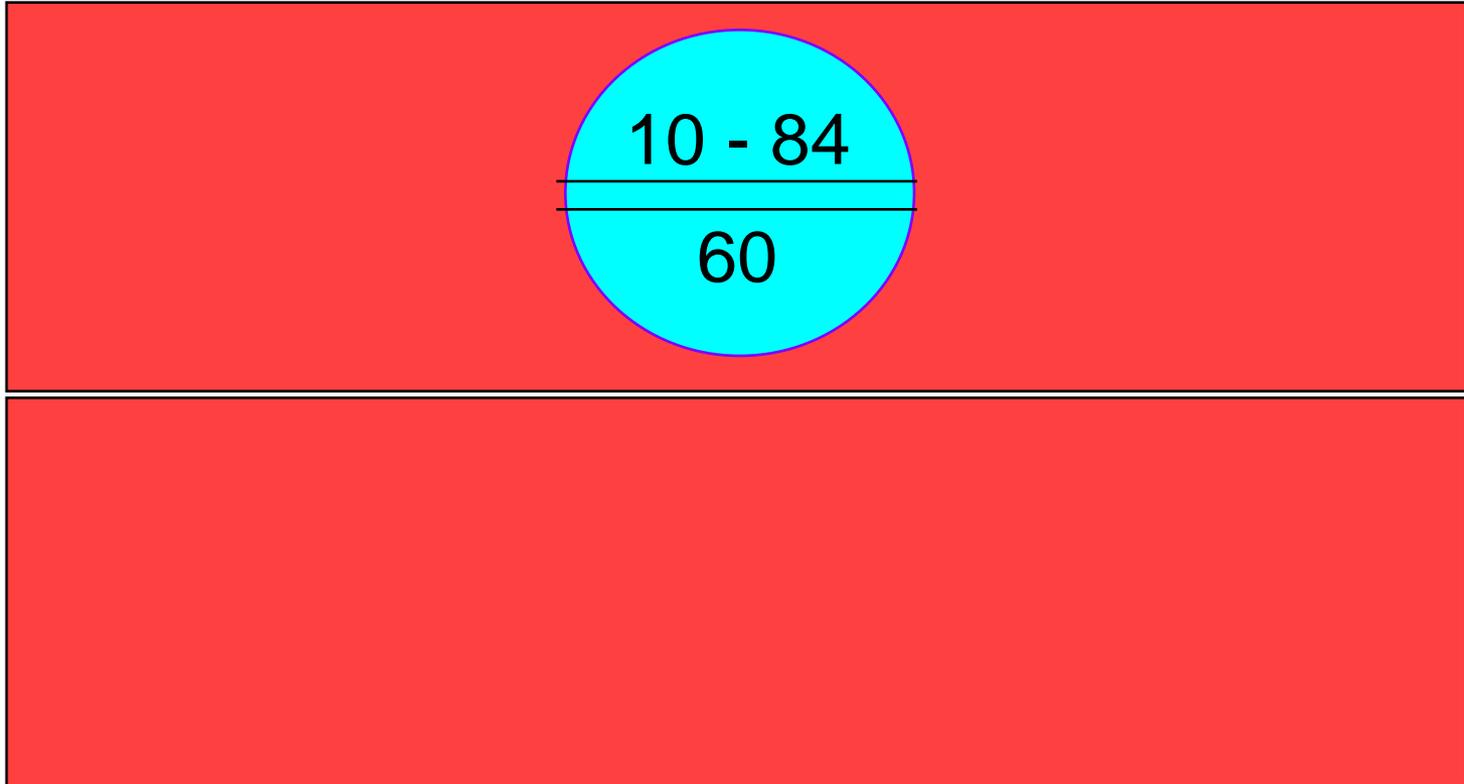
Required Modification to humidity card

$$\frac{10 - 84}{60}$$

or

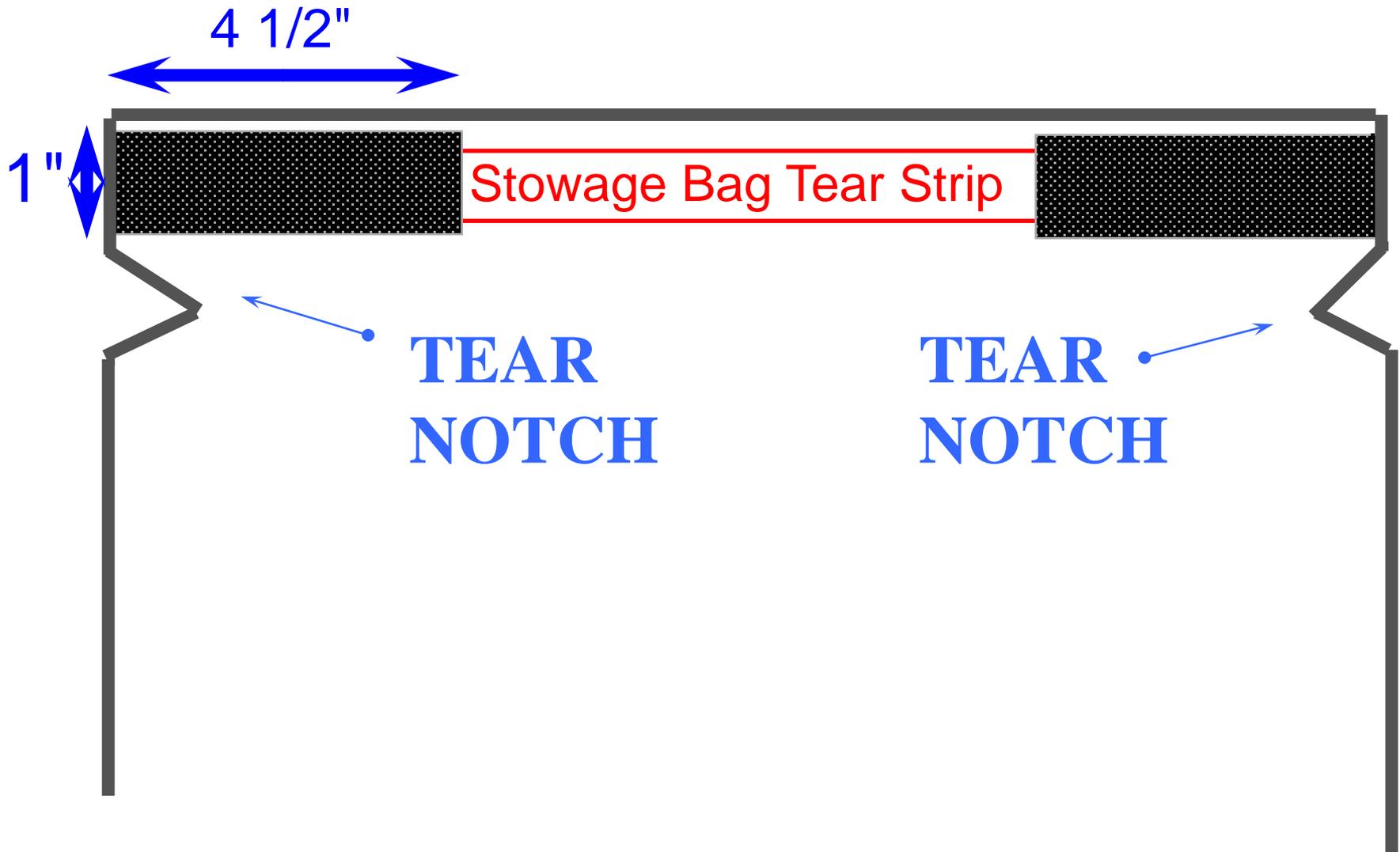
$$\begin{array}{r} 10 - 84 \\ 60 \end{array} \parallel \parallel$$

Required Modification to humidity card



Marks must be visible through inspection window

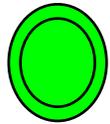
Required Modification to Vacuum Bag



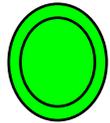
Supplemental Emergency Egress Device

(SEED)

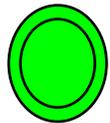
SEED Overview



NOT a replacement of the EEBD

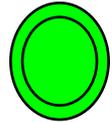


Used only in Engineering Spaces

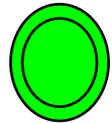


Provides 30 breaths of air (1-3 MIN.)

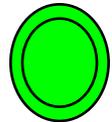
SEED Overview



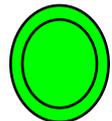
SINGLE STAGE REGULATOR ALWAYS PRESSURIZED



SEED OUTFITTING = TO NUMBER OF PERSONNEL IN PROPULSION DIVISION



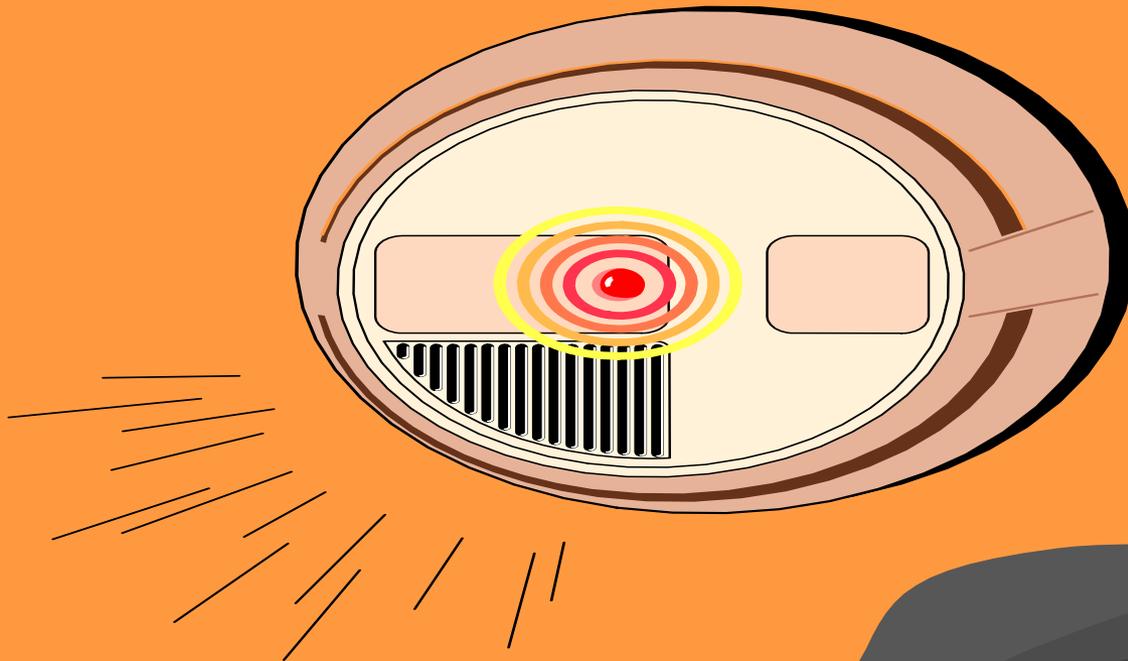
READ PRESSURE ON PRESSURE GAGE - GREEN or RED



STORED IN LOCKED CABINET

IMPROVED SEED HOLSTER

- Covered holsters
- Includes protective flap
 - Protects regulator
 - Allows viewing of pressure indicator
 - Secured with hook & pile fastener
 - Allows more rapid removal



Emergency Egress



**KNOW YOUR WAY AROUND -- EVEN IN THE
DARK!**