



**NAVSEA**

**WARFARE CENTERS**

Indian Head EOD Technology Division

NAVAL SURFACE WARFARE CENTER

**INDIAN HEAD EXPLOSIVE ORDNANCE DISPOSAL TECHNOLOGY DIVISION**

# USAF C-17 Cargo

**27 Jun 2018**



# C-17 Flotation Equipment Deployment System (FEDS)



## ➤ Issue:

- ❖ Contract delivery of replacement FEDS panel assemblies late to need

## ➤ Cause:

- ❖ Contracting delays, technical issues, and previous Lot Acceptance Test (LAT) failures combined with the relatively short shelf/service life of the FEDS panel assemblies have resulted in major backlog

## ➤ Impact:

- C-17 System Safety Program Office and Boeing conducted informal risk hazard assessment (RHA) determining two to five year extensions beyond the current assigned shelf/service life are acceptable – C-17 SPO reevaluating/updating RHA

## ➤ Get Well:

- ❖ 5-Year Indefinite Delivery Indefinite Quantity (IDIQ) contract was awarded in Sep 2017
  - Administrative lead time greatly reduced
  - Orders for new FEDS panels in place
  - Contractor looking into capacity expansion to keep up with production requirements
- ❖ FY16 Contract
  - ✓ Forward panel assemblies delivered Mar 2018
  - Aft panel assemblies scheduled to deliver Jun 2018
- ❖ FY17 IDIQ
  - ❖ Delivery Order
    - Forward panel assemblies scheduled to deliver Jun 2019
    - Aft panel assemblies scheduled to deliver Aug 2019

# Retractor Pressure Cartridge



- NSN Change
  - From: 1377-01-393-4790ES, P/N 824036-1
  - To: 1377-01-651-1845ES, P/N 824036-02
    - Required due to change/type of Net Explosive Weight (NEW)
    - New NSN on Interim Hazard Class pending completion of hazard classification testing
    - Anticipate hazard class remaining 1.2.2C



# Arm/Fire Initiators (AFI)



- Shelf/Service Life Increase
  - Shelf/Service life increased from 84/72 months to 108/84 months
  - Technical Order (TO) 11P3-3-24-7 in process of being updated
    - NSN 1377-01-382-0670ES, P/N 824355-1, Internal AFI
    - NSN 1377-01-382-0647ES, P/N 824355-2, External AFI
    - NSN 1377-01-382-0650ES, P/N 824054-101, Electrical AFI
- Shelf/Service life remains 72/72 months
  - NSN 1377-01-560-1521ES, P/N 6201200, Internal AFI
  - NSN 1377-01-560-1520ES, P/N 6201100, External AFI
  - NSN 1377-01-560-2165ES, P/N 6201300, Electrical AFI
- Surveillance testing scheduled for 2018 will include samples from all AFI manufacturers with the goal of increasing the shelf/service life if items demonstrate reliable aging trend
- Aircraft records must be annotated with applicable P/N to ensure the correct shelf/service life is being tracked for replacement

