Aircrew Flight Equipment (AFE)

25 June 2018
FLU-9 Automatic Inflation Device

**Issue:**
- Contract award delay due to no bid delaying production and deliveries; components late to need

**Cause:**
- Contractor A has no-bid solicitations; contractor B first submittal of cost data delaying contract award and replacement component deliveries

**Impact:**
- Internal informal hazard risk analysis was conducted to determine risk associated with continued use of FLU-9B/P Inflators beyond their currently assigned shelf/service life of five years
- Temporary life extensions supportable up to 24 months beyond original expiration to accommodate delivery of replacement components and installation
- Approximately 2,500 USAF and FMS assets on temporary life extension
- Maintenance time change interval requirements cannot be supported

**Get Well:**
- Urgent Aging and Surveillance conducted at Indian Head – awaiting results
  - Positive results could result in increased service life, mitigating stock shortages
- FY16 & FY17 Requirements - 5,147 ea. (deliveries begin Sep 19)
- FY18 Requirements - 2,588 ea. (estimated contract award date Oct 18)
Universal Water Activated Release System (UWARS)

- **Issue:**
  - Production and deliveries delays; components late to need

- **Cause:**
  - Contractor’s proprietary explosive powder cannot support full contract, a delta-qualification will be required to complete production using new powder vendor
    - Explosive powder vendor identified and sample powder supplied to contractor for test and qualification; delta-qualification process started

- **Impact:**
  - Temporary life extensions supportable up to 24 months beyond original expiration to accommodate delivery of replacement components and installation
  - Approximately 600 FMS assets on temporary life extension
  - Continuing to have only one UWARS supplier, vendor may not be able support the need rate and prices will continue to increase

- **Get Well:**
  - Continue toward qualifying UWARS production second source
    - Working toward a completed and approved UWARS specification
  - FY15/16/17 Requirements - 2,139 ea. (deliveries begin April 19)
UWARS Battery Replacement Kit (BRK)

- **Issue:**
  - Develop a custom battery to replace the current Commercial Off-The-Shelf (COTS) battery utilized in the current sole source vendor design to increase battery life and reliability

- **Cause:**
  - Impedance issues with COTS batteries delaying replacement battery kits
  - Currently two authorized manufacturers

- **Impact:**
  - Current batteries require extensive screening to meet impedance and voltage requirements
  - Temporary life extensions supportable up to 24 months beyond original expiration as long as UWARS pass Built In Test (BIT)
  - Approximately 2000 FMS assets on temporary life extension

- **Get Well:**
  - FY16/17 Requirements - 1,434 ea. (deliveries begin December 18)
  - FY18 Requirements - 2,253 ea. (deliveries begin December 19)