



Armament Directorate



FMS-USAF Aircrew Flight Equipment (AFE) CAD/PAD



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Integrity - Service - Excellence



Overview



- **CAD/PAD Health**

- **Aircrew Flight Equipment (AFE)**
 - FLU-9 Automatic Inflation Device
 - UWARS Battery Replacement Kit (BRK)



AFE CAD/PAD Health Outlook



Platform	STATUS						ISSUES
<i>Aircrew Flight Equipment (one medium risk informal HRA)</i>	Yellow	Light Green	Green	Green	Green	Green	<i>Supplier technical issue & administrating lead time delays – recovery in late FY19 with delivery priority request enacted by IH & NAVSUP, Aging/Surveillance Test data supporting permanent life extension</i>
	FY19	FY20	FY21	FY22	FY23	FY24	



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 delayed 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:**

- Contract has been awarded and inflators are in production
- FY16 & 17 Requirements - 5,147 ea. (deliveries begin Sep 19 continuing thru Feb 21)
- FY18 Requirements - 2,588 ea. (deliveries begin Apr 23)
- 2018 Aging and Surveillance Test completed and service life cannot be increase



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 UWARS design to increase battery life and reliability

▪ **Cause:**

- Impedance issues with COTS batteries

▪ **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
 - FY 16 & 17 Requirements have either shipped or are awaiting shipment

▪ **Get Well:**

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