



Armament Directorate



F-15 CAD/PAD Items of Interest



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Controlled By: AFLCMC/EBHJ

CUI Category: Procure

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Overview

- Program Health Outlook
- CAD/PAD Health
- ETEMP Status Chart
- Advanced Concept Ejection Seat (ACES) II Components
 - ❖ Hazardous Risk Assessments (HRA)
 - ❖ Mortar Cartridges
 - ❖ Survival Kit Locking Cord Cutters / Reefing Line Chute Cutters
 - ❖ JAU-8 Ejection Initiators
- F-15 Components
 - ❖ FLU-9B/P Automatic Inflation Devices
 - ❖ Canopy Remover Cartridges
- FMS Buy Schedule
- Questions
- CAD/PAD POC List



Program Health Outlook

- **CAD/PAD Issues**
 - ❖ Vendor technical challenges; production/quality/capacity/DMSMS
- **Approach to address challenges**
 - ❖ Increased “**Safety Level**” of stockpile from 9 to 18 months
 - ❖ Increased strategic contracting initiatives: IDIQs & Multiple Award Contracts
 - ❖ Actively pursuing Second Sources for multiple NSNs
 - ❖ Robust Aging & Surveillance test program
 - ❖ Implement energetic material management & recertification plans
 - ❖ Prioritizing Joint Product Improvement Program to redesign/requalify obsolete parts
 - ❖ DoD Joint Program obsolescence team to forecast potential program risks
 - ❖ JPO R&D resources evaluating 3-D printing and other technological solutions



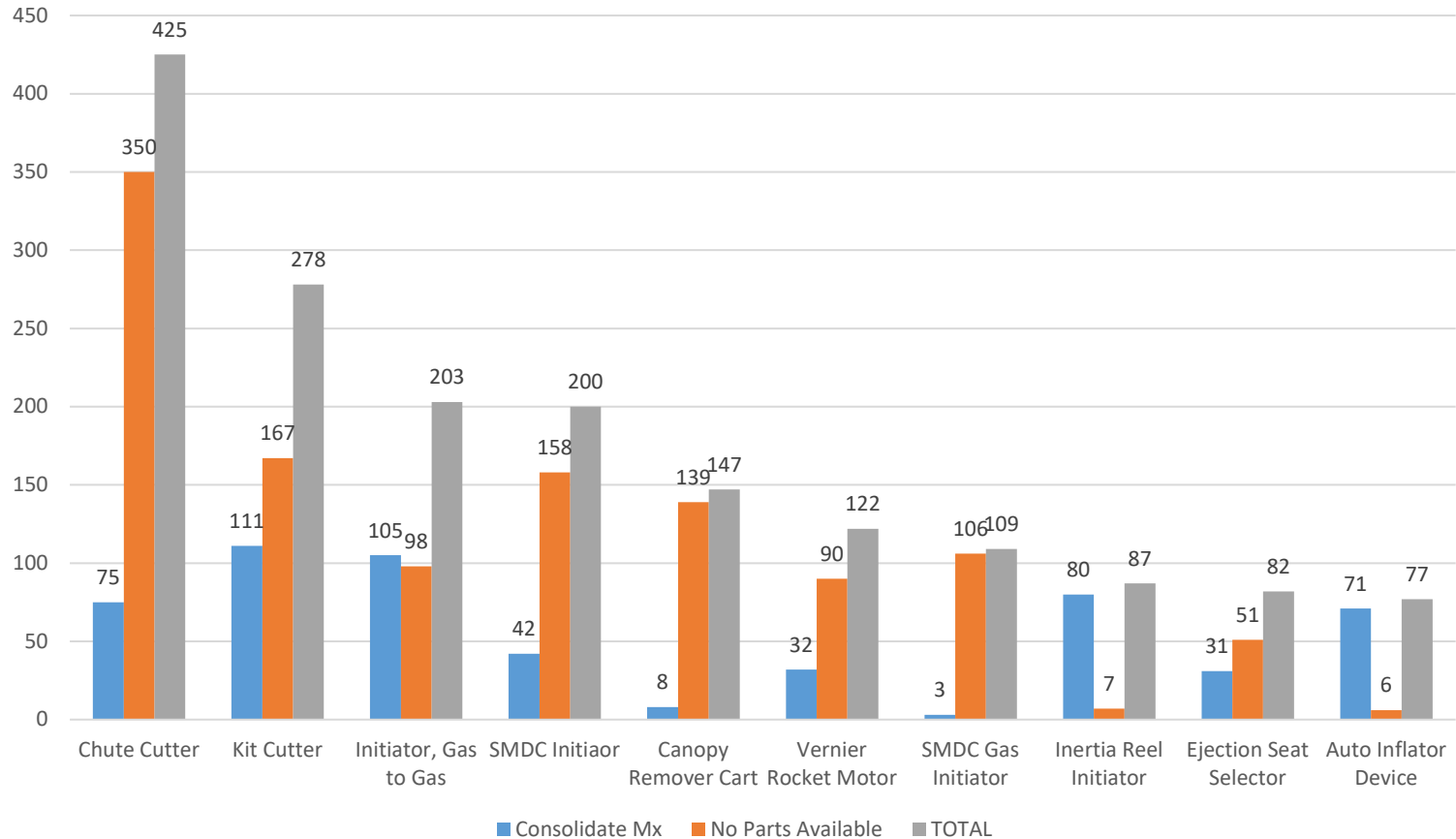
F-15 CAD/PAD Health

Platform	STATUS						ISSUES
F-15 (one medium risk Hazard Risk Assessment (HRA) - Canopy Remover Cartridges)	Yellow	Yellow	Yellow	Yellow	Green	Green	<p>Late contract awards, manufacturer production problems, delinquent contract deliveries, and Diminishing Manufacturing Sources and Material Shortages (DMSMS)</p> <p>Items on No Part Temporary Extensions with low inventory:</p> <ul style="list-style-type: none"> - Canopy Remover Cartridges - Gas to Gas SMDC initiators - Various other Initiators - Ejection Seat Selectors
ACES II	Yellow	Light Green	Green	Green	Green	Green	<p>Late contract awards, manufacturer production problems, LAT failures, delinquent contract deliveries, and Diminishing Manufacturing Sources and Material Shortages (DMSMS).</p> <p>Items on Temporary Extensions with low inventory:</p> <ul style="list-style-type: none"> - Mortar Cartridges - Reefing Line / Survival Kit Locking Line Cutters - JAU-8 Ejection Initiators
	FY23	FY24	FY25	FY26	FY27	FY28	



Top 10 F-15 ETEMPs

F-15 Top Ten ETEMP Categories
(Consolidated Mx vs No Parts Available)



As of Oct 2024



Advanced Concept Ejection Seat (ACES) II Extensions

Parachute Reefing Line / Survival Kit Locking Cord Cutters

NSN: 1377-01-332-2379 NSN 1377-01-333-9143



➤ **Issue:**

- ❖ Multiple delinquent contracts, FMS Shipping Issues, Sole Source

➤ **Cause:**

- ❖ Production capacity limitations; competing contract priorities; production backlog

➤ **Impact:**

- ❖ Components being used beyond shelf life/service life requirements. Temporary life extensions supportable up to 24 months beyond original expiration.

➤ **Get Well:**

❖ **Reefing Line Cutters:**

- ❖ FY17; Contract FA8213-18-C-0030; 818ea (New Vendor)
 - Lot 1 (818) - Org. Delivery Date: Jan 2022; Est. Delivery Date: Fall 2025
- ❖ Contract FA8213-20-C-0009; 2,336ea
 - Lot 1&2 (2,336) – Org. Del. Date: Sep 2021; **Est. Comp. Date: Nov 2024 (3 CLINS remain / Awt SIRs)**
- ❖ Contract FA8213-20-C-0009; Option: 1,774ea
 - Lot 1&2 (1,774) – Org. Del. Date: Sep 2022; **Est. Comp. Date: Nov 2024**
- ❖ Contract FA8213-23-C-0019; 4,409ea
 - Lot 1 (1,103) – Org. Delivery Date: Dec 2024
 - Lot 2 (1,102) – Org. Delivery Date: Jan 2025
 - Lot 3 (1,102) – Org. Delivery Date: Feb 2025
 - Lot 4 (1,102) – Org. Delivery Date: Mar 2025
- ❖ **Contract FA8213-24-P-0012; 552ea**
 - Lot 1 (552) – Org. Delivery Date: Mar 2026

Parachute Reefing Line / Survival Kit Locking Cord Cutters

NSN: 1377-01-332-2379 NSN 1377-01-333-9143

❖ Locking Cord Cutters:

- ❖ FY17; Contract FA8213-18-C-0030; 1,242ea (New Vendor)
 - Lot 1 (1,242) - Org. Delivery Date: Jan 2022; Est. Delivery Date: Fall 2025
- ❖ Contract FA8213-20-C-0009; 951ea
 - Lot 1 (951) – Org. Del. Date: Sep 2021; **Comp. Date: Aug 2024 (Awt SIRs)**
- ❖ Contract FA8213-20-C-0009; Option 1,659ea
 - Lot 1 (1,659) – Org. Delivery Date: Sep 2022 Est. Ship Date: **Oct 2024**
- ❖ Contract FA8213-23-C-0019; 1,119ea
 - Lot 1 (1,119) – Org. Delivery Date: Dec 2024
- ❖ **Contract FA8213-24-P-0012; 303ea**
 - **Lot 1 (303) – Org. Delivery Date: Mar 2026**



F-15 Component Extensions



FLU-9B/P Automatic Inflation Device

NSN: 1377-01-590-0158 & 1377-01-454-9864

➤ Issue:

- ❖ Late contract awards with Navy Purchase Request

➤ Cause:

- ❖ Cobham no bid solicitations, Stratus' first submittal of cost data delayed contract award
- ❖ Stratus has production backlog w/3 years USN, USAF & FMS requirements
- ❖ 2 x LAT Failure: Rebuild Completed

➤ Impact:

- ❖ Hazard Risk Analysis was conducted to determine risk associated with continued use of Stratus specific FLU-9B/P Inflators beyond their currently assigned shelf/service life
- ❖ Components being used beyond shelf life/service life requirements. Temporary life extensions supportable up to 24 months beyond original expiration.
- ❖ Maintenance time change interval requirements cannot be supported.

➤ Get Well:

- ❖ Life increase:
 - P/N: 1812-1818-01 / -02 increase from 144/144 to 168/168
 - 01-0-01-200-0AA increase from 72/72 to 96/96
- ❖ FY18 Contract N0010418CK065; 2,798ea – [Delivered in 2022/2023](#)
- ❖ FY19-FY21 Contract N0010421DYN01; 7,629ea – [Est. Deliveries in 2027](#)
- ❖ FY22 – FY23; 2,278ea – [Est. Awd Dec 2024](#)
- ❖ Second Source Initiative underway



Canopy Remover Cartridge

NSN: 1377-01-202-9195

➤ Issue:

- ❖ USAF and FMS partner countries have urgent and compelling requirements for Canopy Remover Cartridges
- ❖ Note: There are currently 58 USAF and 89 FMS extensions.

➤ Cause:

- ❖ Historically Indian Head & BAE struggled to produce useable quantities of HES 5808.32 propellant
 - ❖ HES 5808 propellant was optimized to increase producibility & reduce variability (~2019)
 - ❖ Energetic output shifted continuing to make HES 5808.32 propellant difficult to use
- ❖ Contract Required Deliveries:
 - ❖ Multiple contracts late to need from FY18-FY23
 - Late award of contracts
 - Manufacturing difficulties resulting in delays
 - Performance issues during pre-build testing
 - Late acquisition/delivery of hardware from sub-tier suppliers

➤ Impact:

- ❖ Warfighters flying on temporary life extensions beyond original expiration
 - ❖ SPO Operational Risk Assessment (Medium Risk), dated 21 April 2022



Canopy Remover Cartridge

NSN: 1377-01-202-9195



➤ Get Well:

- ❖ Technical efforts to resolve propellant issues have identified HES 5808.29 as alternate propellant
 - ❖ HES 5808.29 has shown good test results
 - ❖ Preliminary production activities in work to incorporate HES 5808.29 propellant

➤ Contract Status:

- ❖ FY15-FY17; FA8213-18-C-0017; 228ea.
 - ❖ All Lots – Org. Delivery Date: Oct 2018 – Oct 2019;
 - ✓ USG Delivery Received Apr 2023
 - FMS Deliveries (162ea remaining) Est. Delivery Date: [Apr 2025](#)
- ❖ FY18-FY19; FA8213-19-C-0016; 107ea.
 - ✓ Awarded Sept 2019
 - All Lots – Org. Delivery Date: Jul 2021; Est. Delivery Date: 2025
- ❖ FY20-FY22; FA8213-22-C-0033; 105ea.
 - ✓ Awarded Sep 2022
 - All Lots – Org. Delivery Date: Aug 2024; Est. Delivery Date: 2026
- ❖ FY23; FA8213-23-C-0002; 308ea.
 - ✓ Awarded Sep 2022
 - All Lots – Org. Delivery Date: Oct 2024; Est Delivery Date: 2026



Annual Buy Schedule

- **AFLCMC/EBHJ** **Program Office provides Call Letter Information to AFSAC by 1 Jul**
- **AFSAC** **AFSAC CCM distributes Call Letter package to Customer 30 Sep**
- **Country** **Customer submits LOR to AFSAC CCM 31 Oct**
- **AFSAC** **AFSAC forwards Offered LOA to Customer 30 Nov**
- **Country** **Customer forwards accepted LOA to AFSAC w/ Requirements Spreadsheet 31 Dec**
- **AFSAC** **CCM verifies format and forwards to AFSAC Case Manager (CM) 31 Jan**
- **AFSAC** **CM forwards requirements to Hill AFB, FMS Munitions Division 28 Feb**
- **AFLCMC/Hill AFB** **Hill AFB Munitions Division creates requisitions in supply system 31 Mar**

USAF Requirements Determination System insists on above schedule ~ late requirements will miss the annual buy!



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CAD/PAD



QUESTIONS ?

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