

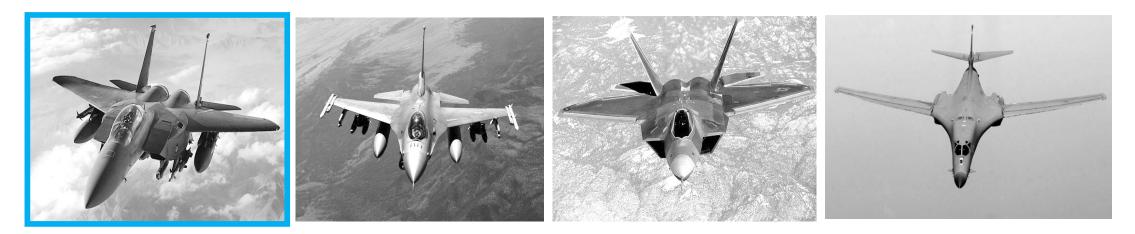
# ACES 5 & ACES II MRO F-15 WWR

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18 Nov 24

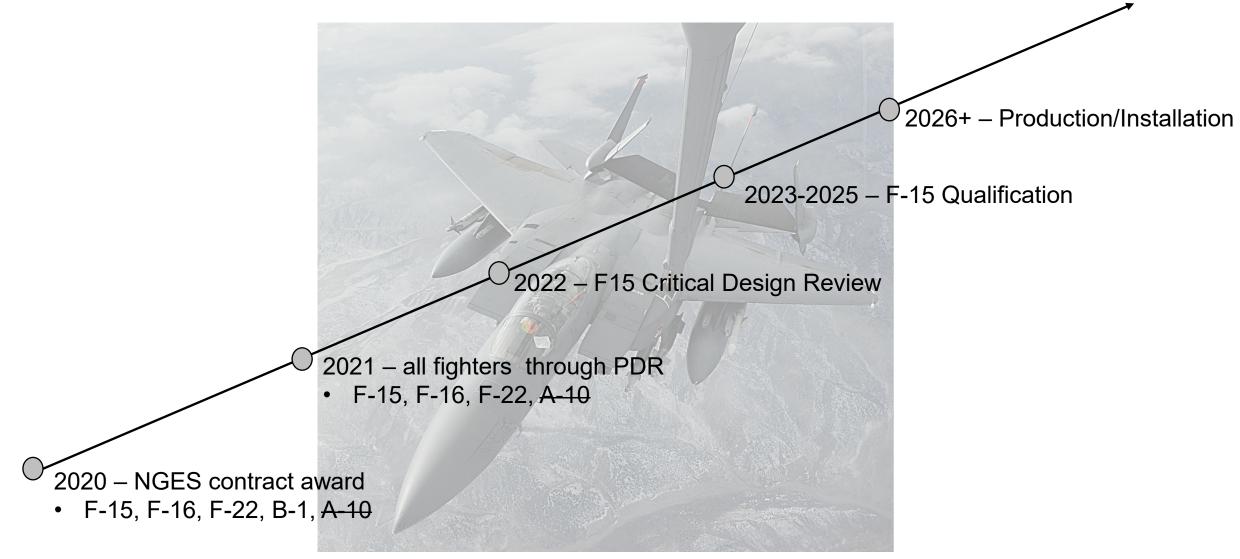
### Roadmap

- NGES Program Update
- Safety features of the ACES 5
- Maintenance Improvements
- Value of fielded investment
- ACES II Aftermarket Services



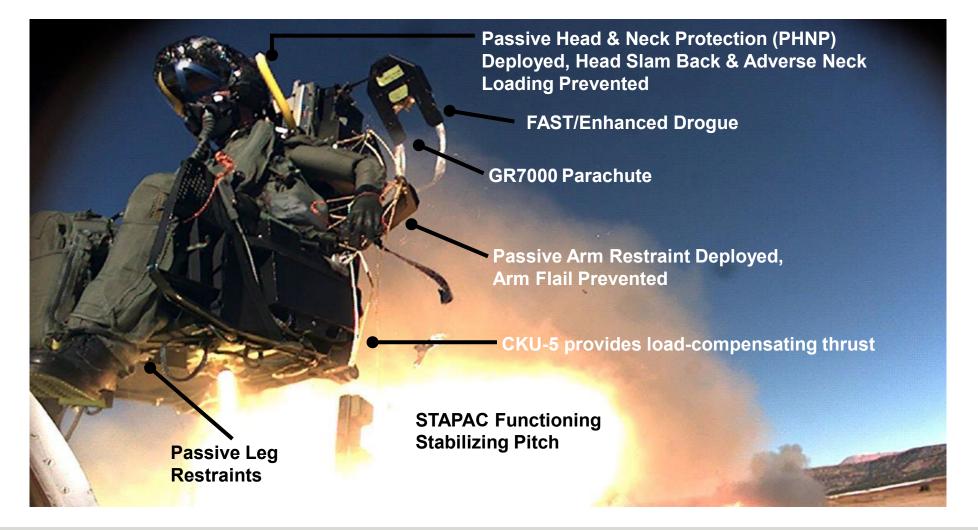


### F-15 Roadmap





### ACES 5 innovative, patented safety features

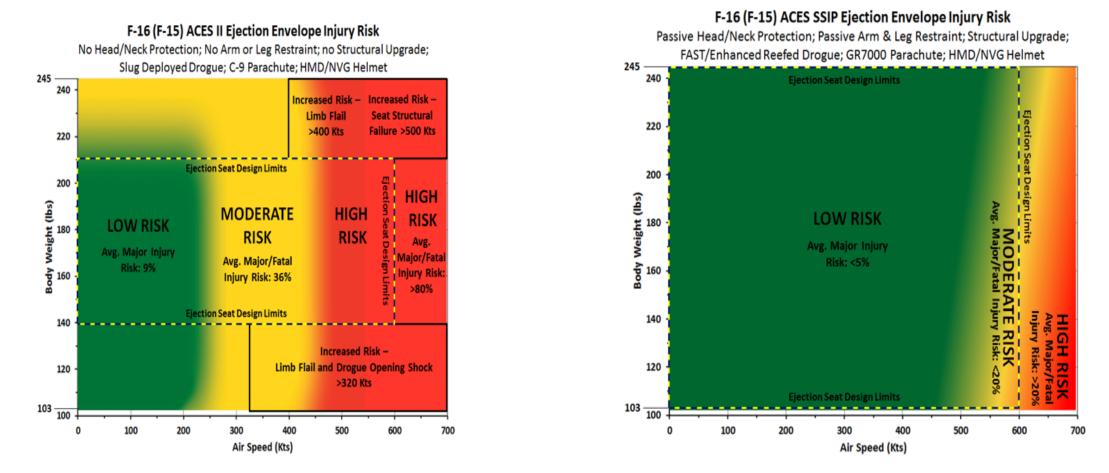


Retains the <u>best</u> of Legacy ACES II, makes **improvements** across the board



### **Tested and qualified to MIL-HDBK-516C**

### **OPERATIONAL ENVELOPE SUBSTANTIALLY INCREASED WHILE RISK IS REDUCED**

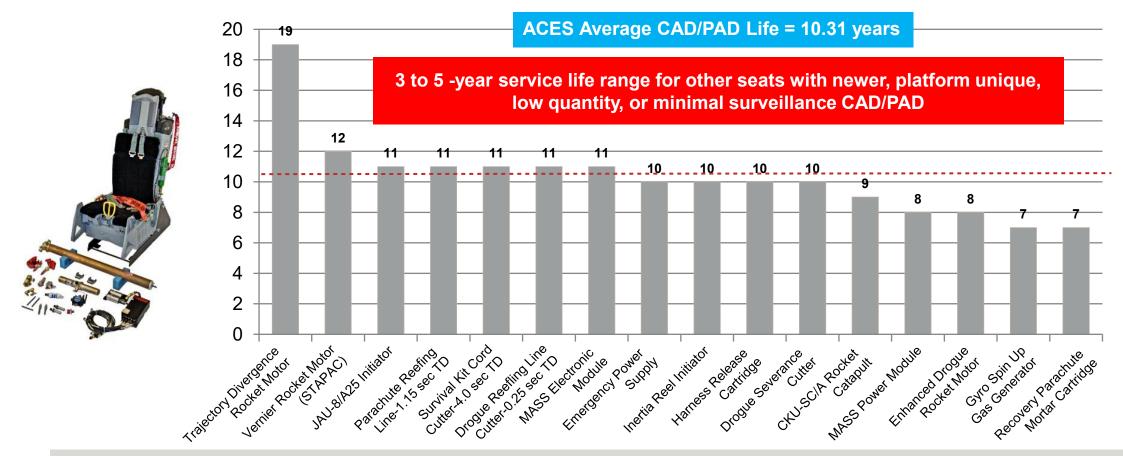


ACES 5 provides the Warfighter Mission Readiness...eject today, fly tomorrow!



## Common with ACES II

• ACES 5 CAD/PAD items are common with ACES II and average service lives in excess of 10 years

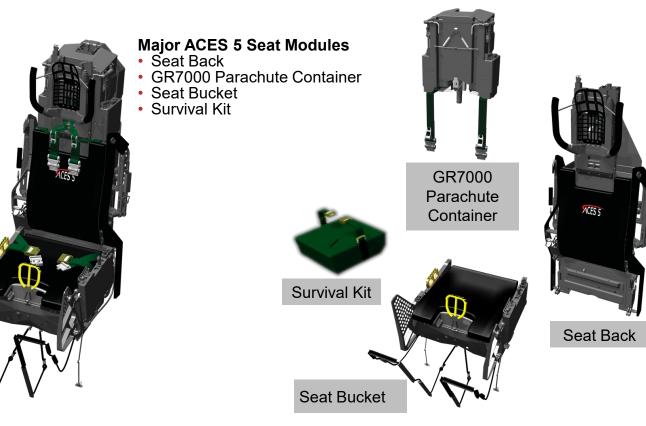


Matching USAF configuration = lower costs & provides reliable sourcing



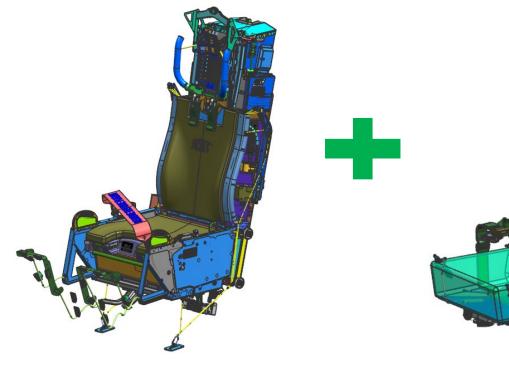
### **Modularity = Increased MC Rate**

- All tasks have same number, or less than ACES II
- 18% reduction in maintenance steps
- Functionally modular
- 73% common support equipment already fielded
- USAF Egress Feasibility Study:
  - 15 minutes seat removal
  - 25 minutes seat installation
  - No canopy removal

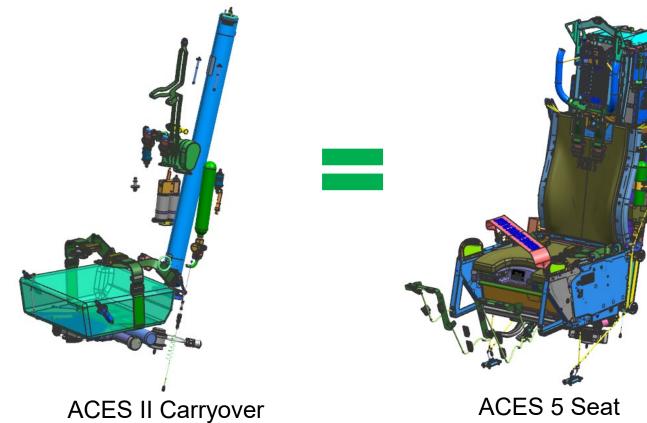




### **Upgrade Plan for F-15**



### ACES 5 Kit

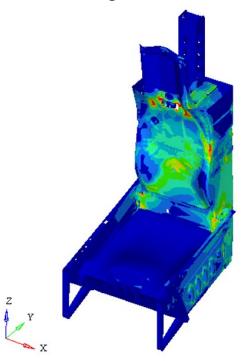




### **ACES II Aftermarket and MRO Services**

- Seat Maintenance & Repairs
  - Inspection, Tear Down & Analysis
  - Minor/Major Repairs
  - Overhaul and Upgrades
  - TCTO Implementation
  - Seat Dynamic Simulation Analysis
  - Finite Element Strength Analysis
- Component Part Repair
  - STAPAC, Inertial Reels, Actuators, O2 Bottles, etc.
- Training
  - MX, Inspections, Parachute Packing, TCTO Implementation

#### Finite Element Structural Strength Model





### **Certification, Warranty and TAT**

- Certification
  - Each seat is accompanied by a Collins Certificate of Conformance
  - AS9100 quality inspection
  - Collins has the only OEM designed Inspection Table
- Warranty
  - All Collins repairs include a 12-month warranty
  - Extended warranty is available on request
- Life Extension
  - Through stress analysis, Collins can provide a recommendation on seat serviceability
  - Collins can also recommend/support MRO schedules



## Wrap Up

- NGES Program Update
- Safety Features
- Maintenance Improvements
- Value of Fielded Investment
- ACES II Aftermarket Services





### **RTX color palette**

Predominant brand colors to be used for all presentations.

#### **RTX** primary palette White Black RGB: 255, 255, 255 RGB: 0, 0, 0 Our primary palette consists of black and white. **RTX** secondary palette Cool Gray 10 Cool Gray 1 Cool Gray 5 Red 186 RGB: 217, 217, 214 RGB: 177, 179, 179 RGB: 99, 102, 106 RGB: 206, 17, 38 Our secondary color palette consists of the three grays and red specified. Be sure to use these formulas.

#### PPT tertiary palette

Accent colors **only** for use in charts and graphs with many data points.

These additional colors should only be used in PowerPoint presentations when needed to clearly communicate a message to your audience.

RGB: 123, 167, 188	RGB: 183, 169, 154	
RGB: 144, 140, 194	RGB: 154, 190, 170	RGB: 239, 182, 97

