



Air Force Life Cycle Management Center

AFLCMC...Providing the Warfighter's Edge



U.S. AIR FORCE

Aging Aircraft & New Weapons

**Brig Gen Michael Schmidt
Program Executive Officer
Fighters and Bombers**



Fighter/Bomber Snapshot



FIGHTERS



283

A-10 (WWA)



F-15 (WWQ)

212 / 23 / 218

F-16 (WWM)



966

F-22 (WWU)



186

*F-35 (WWJ)



*OT&E Only

BOMBERS



62

B-1 (WWD)



20

B-2 (WWZ)



76

B-52 (WWD)

A-10 (WWA)
B-1/B-52 (WWD)
B-2 (WWZ)
F-15 (WWQ)
F-16 (WWM)

F-22 (WWU)
Dev & Integ (WWB)
Spec Prgms (WWG)
Strike Syst (WWS)
*F-35 (WWJ)

INTERNATIONAL PARTNERS

F-15 Saudi Arabia (WWQ)



A-29 Afghanistan (WWB)



F-16 Iraq (WWM)



And many more...



The Many Faces of F/B

A-10 Div



SPM : Ms. Dawn Sutton
Deputy: Lt Col Ken Johnson

Dev & Integ Div



Chief: Col Anthony Thomas
Deputy: Mr. Steven Topper

Special Prgms Div



SPM: Col Scott Rothermel
Deputy: Ms. Stephanie Edquid

F-16 Div



SPM: Col Jeff Gates
Deputy: Mr. Greg Brown

F-15 Div



SPM: Col Timothy Bailey
Deputy: Mr. Bob Zwitch

Strike Systems Div



Chief : Mr. Stephen Uyehata
Deputy: VACANT

F-22 Div



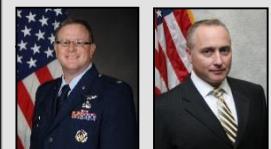
SPM: Col Anthony Genatempo
Deputy: Mr. Ed Stanhouse

B-1/B-52 Div



SPM: Col Lance Reynolds
Deputy: VACANT

B-2 Div



SPM: Col William Patrick
Deputy: Mr. David Garofoli

F-15SA Div



SPM : Col Greg McNew

F-35 Div



Chief: Mr. Michael Karraker
Deputy: VACANT

EN



Mr. Douglas Atkinson

FM



Ms. Kimberly Keck

PK



Mr. Dennis Lovejoy

LG



Mr. Lansen Conley

OM



Ms. Deborah Webb

PEG Chief



Lt Col Tony Paulson

Security



Mr. Kevin Sherrick

Superintendent



CMSgt Jason Gall



PEO/Director
Brig Gen Michael Schmidt

Deputy PEO/Director
Mr. Brian Rutledge



Col Douglas Martin

Recent Achievements (FY 16)

INNOVATION

New Ideas

Additive Manufacturing
Laser Depaint
Data Transfer Device
Open Mission Systems
SAFe/Agile

Quick Fixes

A-10 Canopy Lug
F-15 Cabin Pressure Monitor
F-16 Canopy SIL Longeron
B-2 Wind Screen
A-29 Bent Fuel Tubes

Long Term Fixes

SLEP/FSFT (F-15, F-16, B-1)
Radar upgrades (F-16, F-15)
A-10 Wing Replacement
Communications Upgrades

CAPABILITY DELIVERIES

FIGHTER AND BOMBER AIRCRAFT

6 A-29 17 F-16

AIRCRAFT MODIFICATIONS

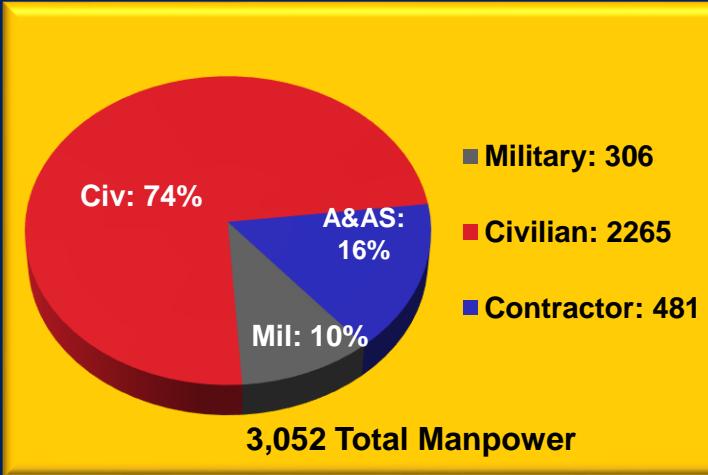
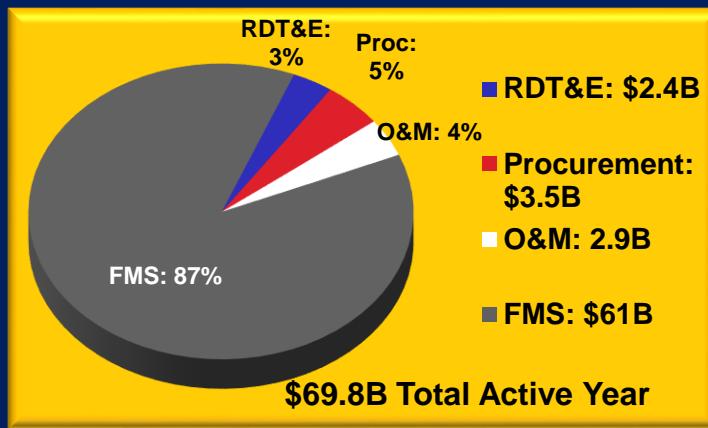
99	B-1 Mods	197	A-10 Mods	151	F-22 Mods
76	B-2 Mods	29	F-15 Mods	9	A-29 Mods
70	B-52 Mods	231	F-16 Mods		

DEPOT THROUGH-PUT

13	B-1	41	A-10	27	F-22
2	B-2	84	F-15		
16	B-52	222	F-16		

~31,626 Combat Mission Flying Hours Last Year

Fighters and Bombers Portfolio

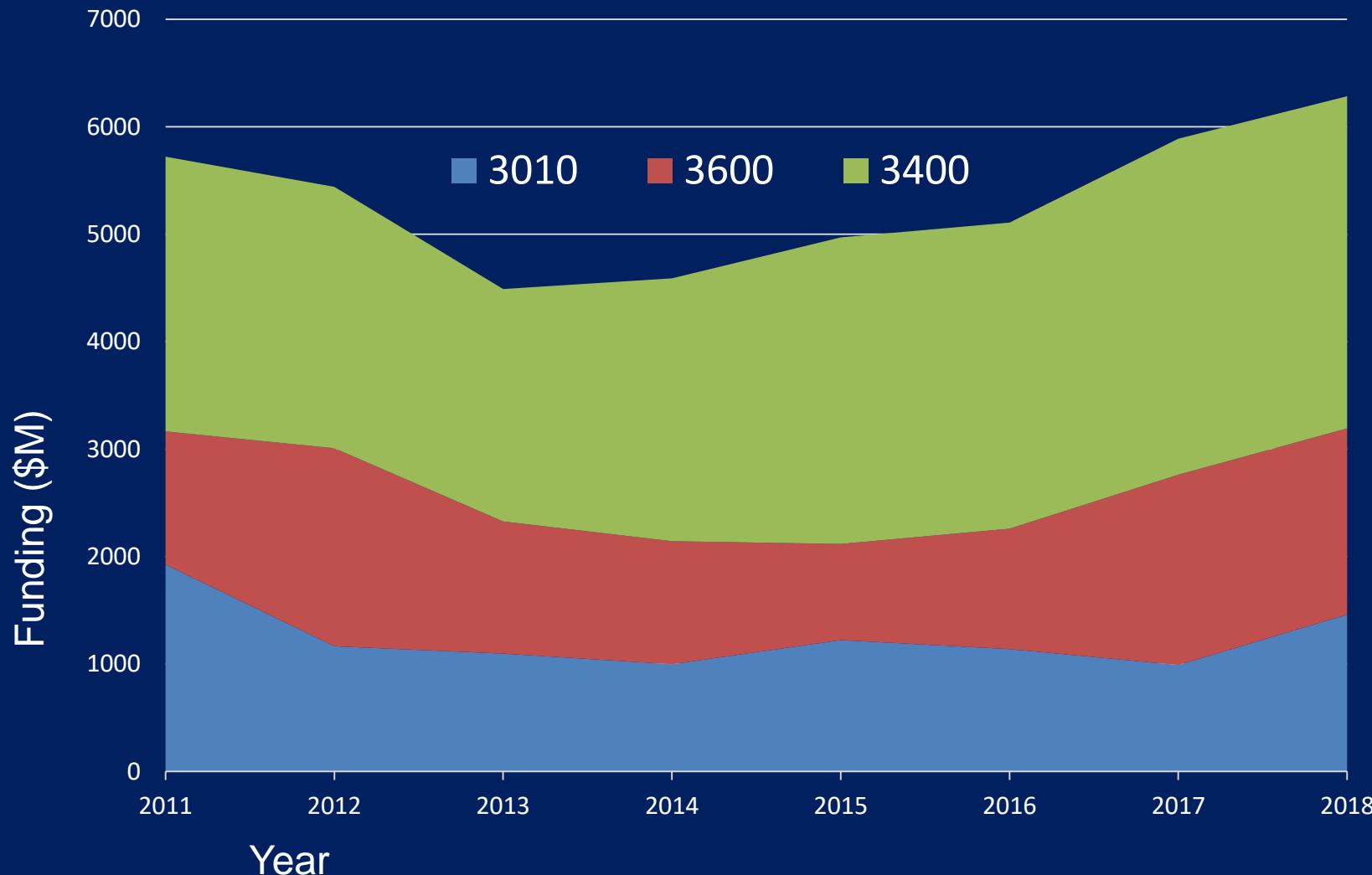


ACAT I - 4
ACAT II - 14
ACAT III - 66

FMS - 72
AML Exempt - 14

Fighters and Bombers Mission: Develop, produce, modernize and support US and coalition partner fighter and bomber aircraft weapons systems and subsystems

Annual Funding by Appropriation



B-52



B-52 Weapons Integration

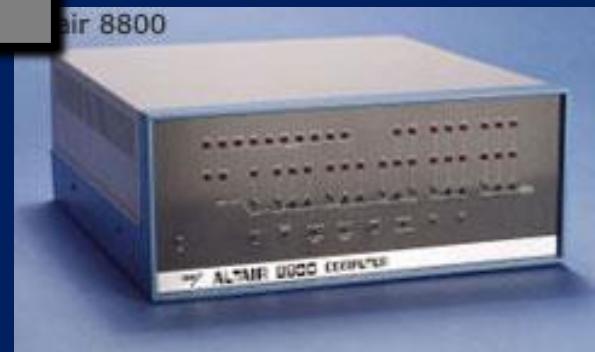
- Common Rotary Launcher



F-15



IOC 1975



F-15 Weapons Integration

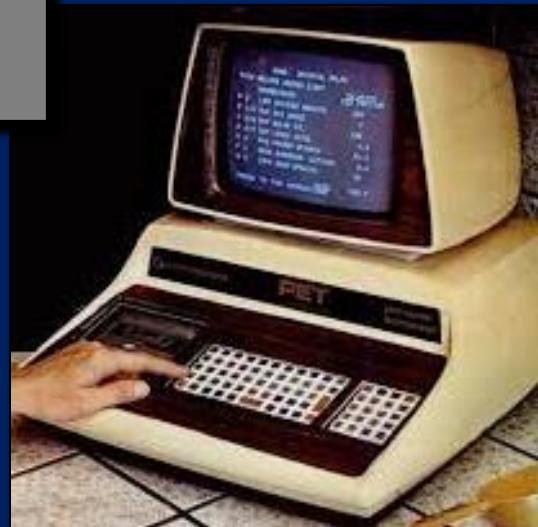
- AIM-9X Block II
- SDB-II
- AMBER Demo
- JASSM-ER
- B-61



A-10



IOC 1977



A-10 Weapons Integration

- APKWS



F-16



IOC 1980



F-16 Weapons Integration

- APKWS II
- AIM 9X Block II
- Laser SDB
- MALD-J Mod 7



B-1



IOC 1986



B-1 Weapons Integration

- LRASM
- IBS



B-2



B-2 Weapons Integration

- Flex Strike
- GBU-57 A/B
- B61-12
- JASSM-ER



F-22



F-22 Weapons Integration

- AIM-9X
- AIM-120D



A-29 Super Tucano



A-29 Weapons Integration

- APKWS
- GBU-58



Standard Interfaces

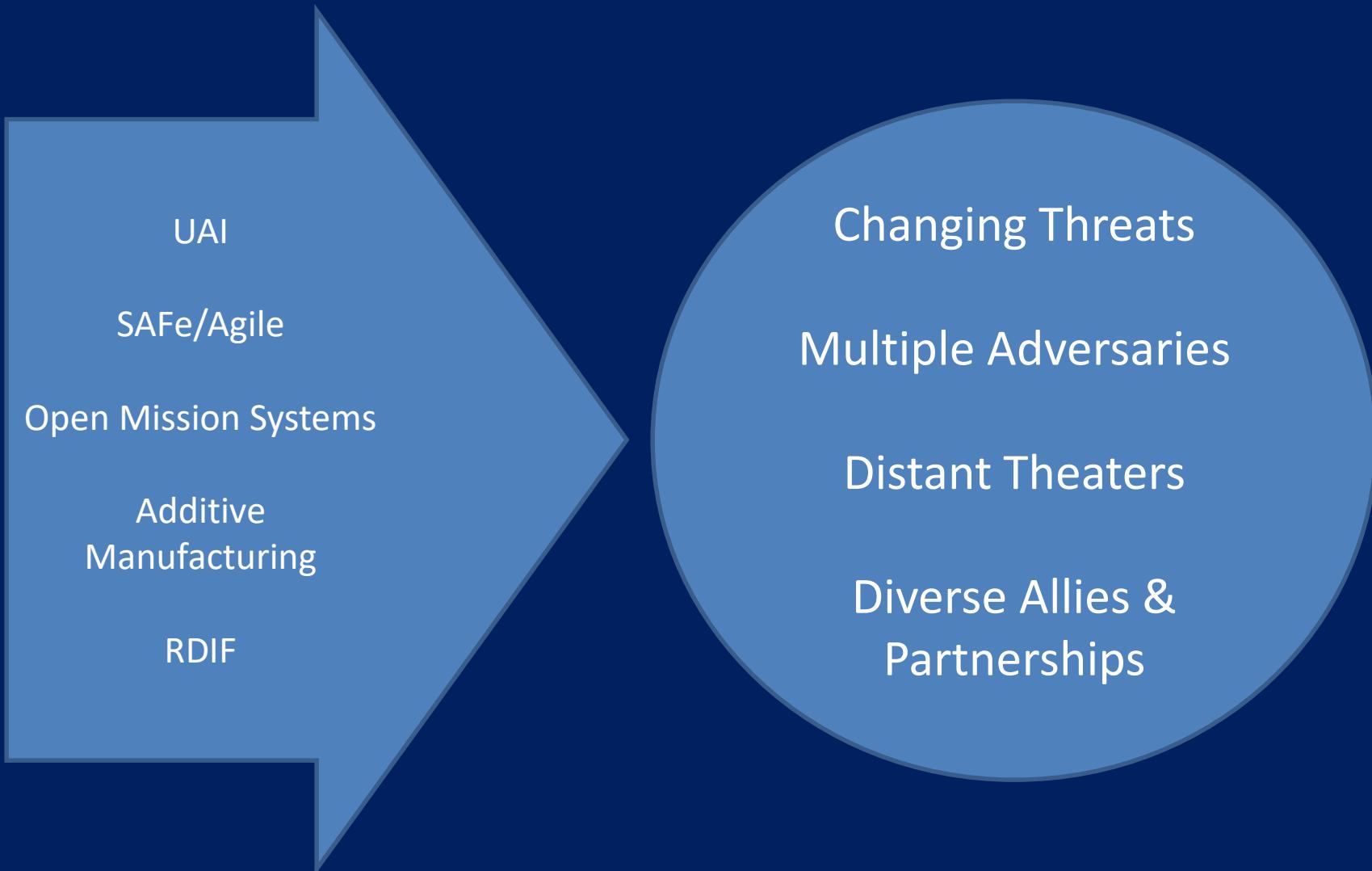
Universal Armament Interface

- Common data requirements
- Limited hardware changes
- OFPs won't have to embed weapon or display data

Open Mission Systems

- Standard hardware and software interface for aircraft capability upgrades
- New electronics plug into standard hardware rack with minimal hardware or software mods to aircraft

Toward The Third Offset....





Questions?

Rapid Development Integration Facility

29 Past Projects

- B-1 Safe/Release Consent Switch
- B-1 Bomb Switch
- B-1 Antenna Plate
- B-2 Electronic Flight Bag
- B-2 Cable Kits
- B-2 LRU Tool
- B-2 AEB Power Study
- B-2 Antenna Brackets
- B-2 Amplifier Bracket
- B-2 Bomb Lanyard
- B-2 Equipment Rack
- B-2 COLT Interface Box
- B-2 DAGR
- B-2 Special Project #4
- B-52 Munitions Kit
- B-52 Lightening Arrestor Bracket
- B-52 HIS Cable Set
- B-52 AWIP Cable Set
- F-15 Model
- F-15 ANG Display
- F-15 Universal Pod
- F-15E UON
- F-22 Oxygen Sensor
- F-22 Air Valve
- F-22 QD Valve
- F-22 Pass-Through Valve
- F-22 ARC-210 Trays
- COLT
- Special Project #6

Mission
Provide rapid adaptive engineering solutions for urgent Warfighter needs - Instill an innovative aircraft development, integration and prototyping culture back into the workforce

11 Current Projects

- B-1 Sniper Displays
- B-2 AEB Power Box
- B-2 Antenna Travel Limiter
- B-2 Multi-Position Lifting Beam
- B-52 Anti-Skid Panel
- B-52 Channel Splice
- B-52 CONECT Ground Station
- B-52 Tail Cone Cover
- F-15 Cabin Pressure Monitor
- F-15 IBS Re-work
- F-22 Oxygen Depleter

Competition/Small Business

- Sole Source vs Competition
 - Often an OEM is the single responsible source for modifications but can compete major components with Gov't oversight/insight
 - F-15 EPAWSS
 - F-15 IRST
 - B-2 DMS-M
 - Drives down costs
 - Compensates for insufficient SPO manpower for full competition
 - Provides opportunities beyond vendors' favorite suppliers

Small Business
Fighters and Bombers Small Business Set-asides are approximately \$44M/year, but...

- Over \$370M subcontracted to small businesses per year through larger primes