



Economic Development Council

30 September 2008

Major General Charles R. Davis, USAF
Program Executive Officer, F-35 Lightning II Program





VISION

DELIVER AND SUSTAIN

THE MOST ADVANCED, **AFFORDABLE** STRIKE FIGHTER AIRCRAFT TO
PROTECT FUTURE GENERATIONS WORLDWIDE.

MISSION STATEMENT

BE THE MODEL ACQUISITION PROGRAM FOR JOINT SERVICE AND
INTERNATIONAL COOPERATION.

DELIVER TO OUR WAR FIGHTERS AN **AFFORDABLE** AND EFFECTIVE
NEXT GENERATION STRIKE FIGHTER WEAPON SYSTEM AND SUSTAIN
IT WORLDWIDE.



What Is F-35?

The next generation “family” of strike fighters

- F-16/F/A-18C “like” aero performance
- Stealth Signature and Countermeasures
- Advanced avionics, data links and adverse weather precision targeting
- Increased range with internal fuel and weapons
- Highly supportable, state of the art prognostics and health management



Lethal Survivable Supportable Affordable



JSF SDD Scope

Interoperability



CV



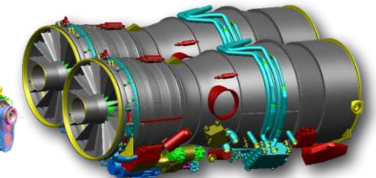
CTOL



STOVL



**P&W F135
GE/RR F136**



3 Services



8 International Partners



2 Security Cooperation Participants



Global Sustainment

Domestic / International Suppliers



Autonomic Logistics



3 Flight Test Facilities



Integrated Training



Team JSF

LOCKHEED MARTIN

NORTHROP GRUMMAN

BAE SYSTEMS

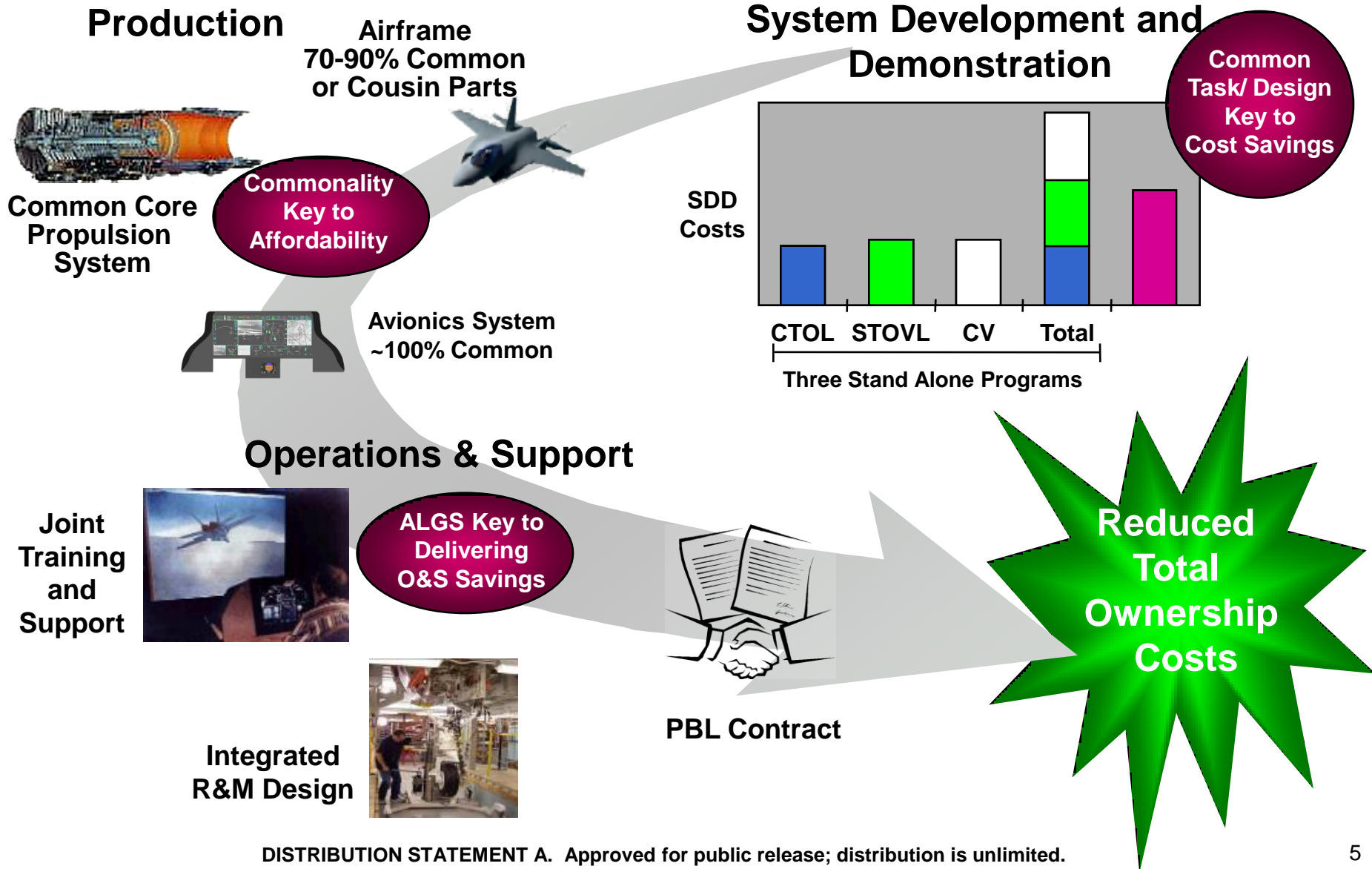
GE

GE Rolls-Royce
Fighter Engine Team



Leveraging Economies of Commonality

Total Ownership Cost Reduction





Requirements: Service Needs

- **USAF: 1763 CTOL**

- Multi-role (primary air-to-ground) fighter to replace the F-16 and A-10 and to complement the F/A-22



- **DoN: 680 CV/STOVL**

- USN - Multi-role, stealthy strike fighter to complement the F/A-18E/F
- USMC - Multi-role, short takeoff, vertical landing strike fighter to replace the AV-8B and F/A-18C/D
- DoN CV/STOVL mix TBD



- **UK (RN and RAF): 138**

- Supersonic STOVL replacement for the Sea Harrier and GR-7

- **International (Italy, Netherlands, Australia, Norway, Denmark, Canada, Turkey): 592 CTOL/STOVL**



- **Requirements Document**

- JORD signed 13 March 00
 - JROC Validated 11 April 00
 - JROC Revalidated 18 October 01
- Annual JROC program review 13 Dec 04 and 16 Mar 06





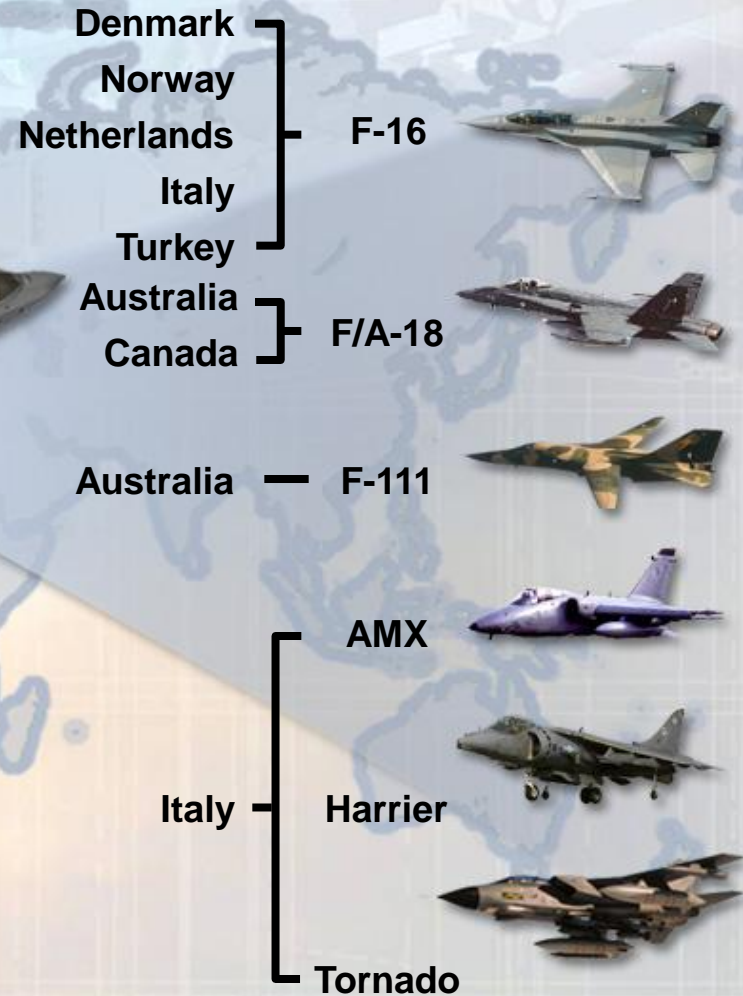
JSF Enables True Joint/Coalition Operations

Domestic and UK



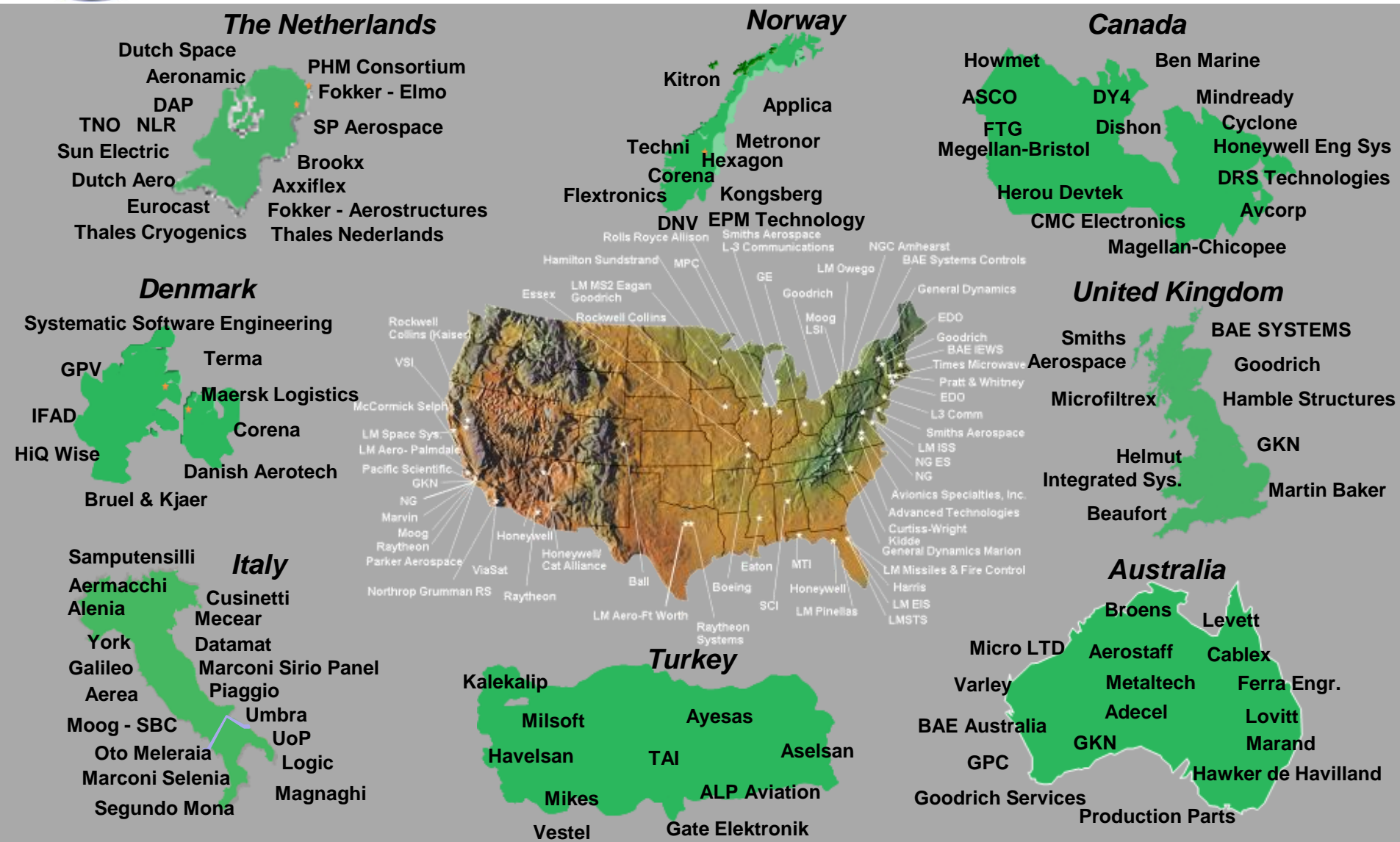
**F-35
Joint
Strike
Fighter**

International





Global Production System





F-35 Lightning II Description

- **Key Attributes:**

- Stealth
- Integrated Avionics
- A/G Munitions
- LPI Intraflight DL
- Adv A/C Survability

- **General Features**

- Single seat
- Speed: 750 kts or 1.6M
- Ceiling: 50,000 ft+
- Engine: PW F135; GE F136

- **Sensors**

- Fully integrated open architecture system
- A/G – A/A radar/SAR
- Electro Optical A/G Targeting system
- A/A IRST
- Electronic Support Measures (ESM)
- Short range EO spherical coverage



CTOL

Length: 51.4 ft
Wing Area: 460 ft²
Weight (Empty): 29,036 lbs
Internal Fuel: 18,840 lbs
Range: 626 nm



STOVL

Length: 51.1 ft
Wing Area: 460 ft²
Weight (Empty): 32,161 lbs
Internal Fuel: 14,003 lbs
Range: 499 nm



CV

Length: 51.4 ft
Wing Area: 668 ft²
Weight (Empty): 32,072 lbs
Internal Fuel: 20,085 lbs
Range: 642 nm

LETHAL SURVIVABLE SUPPORTABLE INTEROPERABLE



JSF Family Of Aircraft

One Program -- Three Variants

Meeting Service and International Needs

**Conventional
Take-Off and
Landing
(CTOL)**

**Carrier Variant
(CV)**

**Larger Wing and
Horizontal Tail Area**

**Probe and Drogue
Refueling (Basket)**

**In-Flight Refueling
Door (Boom)**

**Internal
25mm 4-Barrel
Gatling Gun**

**Strengthened
Landing Gear
and Tailhook**

**Centerline
Gun Pod
with 25mm Gun**

**Wingfold and
Ailerons Added**

**Short Take-Off and
Vertical Landing
(STOVL)**

**Probe and Drogue
Refueling (Basket)**

Lift Fan

**3-Bearing
Swivel Nozzle**

Roll Posts

All variants

- § 450-600 nm Range
- § 1.6 Max Mach (Limit)
- § Stealthy
- § Same Weapons
- § Similar Avionics
- § Similar Flight Envelope
- § Same Basic Engines



Fighter Aircraft Generations

The Evolution of Stealth

• High and Fast

• Air-to-Ground Only at Night

• All Stealth – 24/7/365

Capability



- 1st Jets
- Subsonic
- Guns
- Bombs
- Rockets

Parity

1st Gen

40s



- Supersonic
- 1st Radar
- Missiles
- Guns

Parity

2nd Gen

50s



- Multi-Role
- Supersonic
- Radar
- Missiles

Parity

3rd Gen

60s



- Adv Avionics
- Guided Weapons
- Agility & Speed

Advantage
With Training

4th Gen

70s



- Stealth
- Fighter Performance
- Internal Payload
- Info Fusion
- Net-Centric Ops
- Sustainable
- Deployable

Total Air
Dominance

5th Gen

2005+

5th Gen -- Integration of All-Aspect Stealth, Advanced Sensors and Weapons



Advanced Stealth Must Be Designed-In

Internal Fuel Tanks

Fixed Array Radar

Engine Inlets

Full Line-of-Sight Blockage

Aligned Edges

Embedded Antennas

Reduced Signature Nozzles

Internal Stores Carriage

Low Observable
Seams, RAM Seals

Low-Emission
Radar and Avionics

Curved Diverterless Inlets,
"Buried" Engine

Reduced Signature
Axi-Symmetric Nozzle

Composite Structure

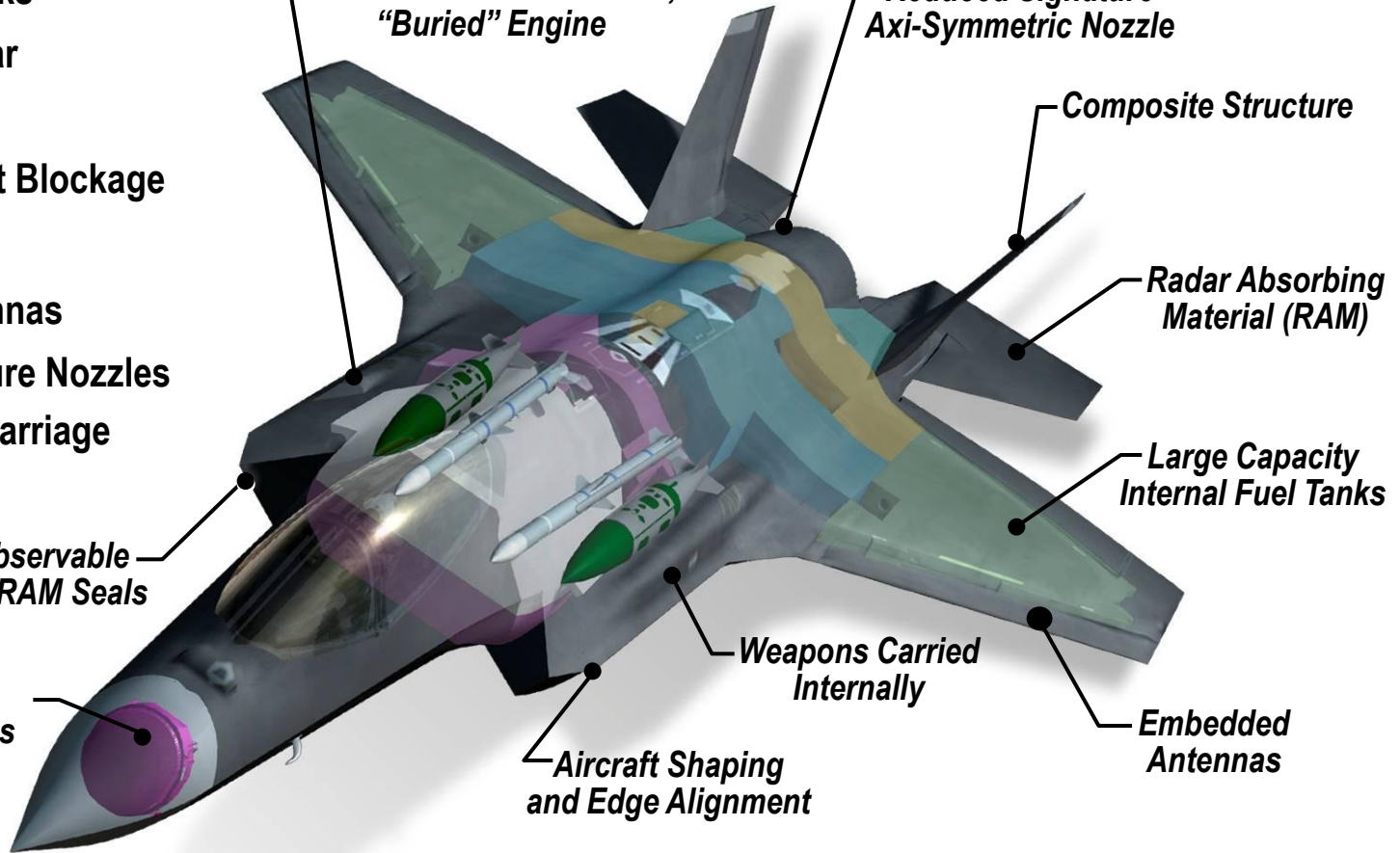
Radar Absorbing
Material (RAM)

Large Capacity
Internal Fuel Tanks

Weapons Carried
Internally

Embedded
Antennas

Aircraft Shaping
and Edge Alignment



Fundamental 5TH Design Features Can Not Be Retrofitted



Advanced Stealth Provides Survivability, Lethality and Mission Success

Survivable Theater Access . . .

Air-to-Ground

Advanced 4th Gen

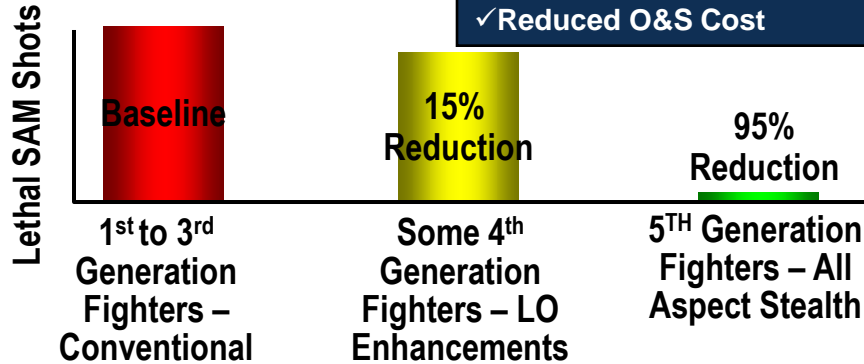
5TH Gen

Advanced 4th Gen TACAIR

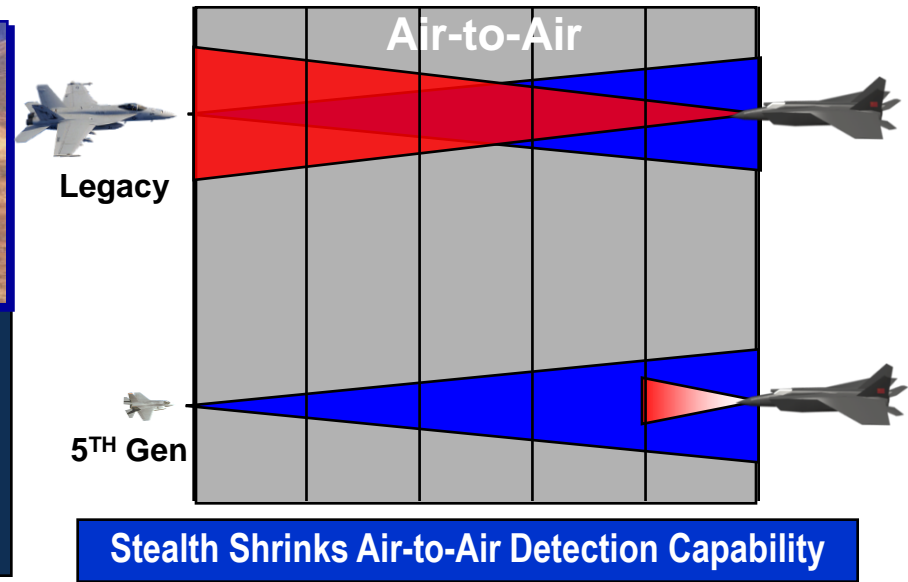
- ✓ Engaged / Shot by Ground Defenses
- ✓ Surprise Lost
- ✓ Mission Effectiveness Degraded / Lost
- ✓ Access Denied

5TH Gen TACAIR

- ✓ Reduced Force Requirements
- ✓ Surprise Maintained
- ✓ Access Assured
- ✓ Survivable
- ✓ Lethal
- ✓ Reduced O&S Cost



. . . With Increased Lethality



- F-35 A-A Loss Exchange Ratio (LER) Is 4x Over Advanced 4th Generation Fighters
- First Look, First Shot, First Kill



F-22 and F-35 - The World's Only 5th Gen Fighters

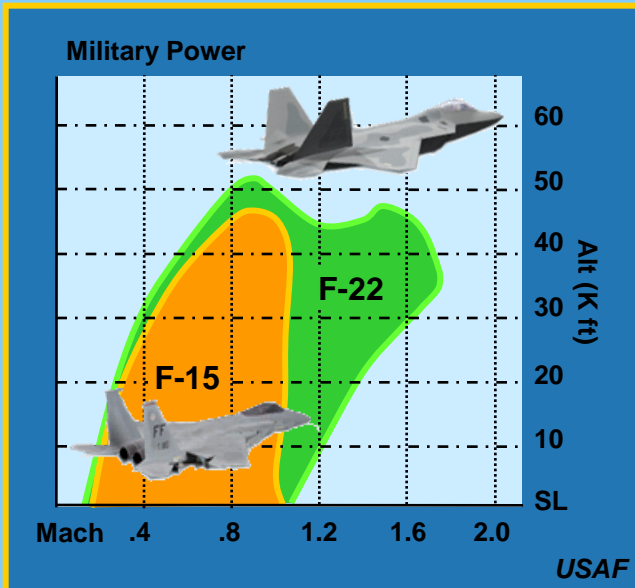
5th Generation Fighters Uniquely Integrate

Added Capabilities Unique to the F-22



- Sustained Supersonic Ops
- High Altitude Cruise
- Extreme Agility

Combat Configuration



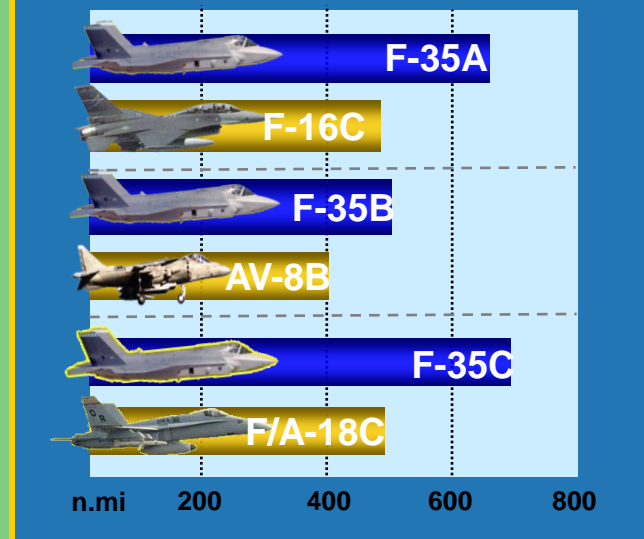
- Stealth
- Fighter Performance
- Internal Payload
- Information Fusion and Situational Awareness
- Sustainable
- Deployable
- Net-Enabled Operations

Added Capabilities Unique to the F-35



- Targeting Flexibility
- Persistence/Range
- Basing Options

Subsonic Mission Radius – Service Profiles



Combat Configuration– Legacy Has External Fuel Tanks



CTOL & CV Weapons Carriage Requirements



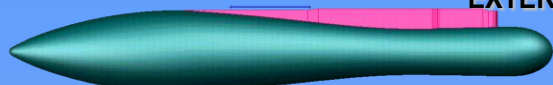
CTOL Internal Gun

Store Fully Certified During SDD

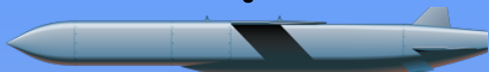
EXTERNAL WEAPONS

EXTERNAL WEAPONS

INTERNAL



426 -Gallon Wing Tank



Stormshadow



GBU-38 JDAM 500-lb (MK-82 Warhead)



AGM-158 JASSM



MXU-648/CNU-88 Baggage Pod



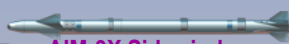
AGM-154A/C JSOW Glide Bomb



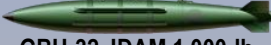
AIM-120B/C AMRAAM



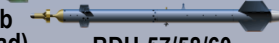
GBU-31 JDAM 2,000-lb (MK-84 Warhead)



AIM-9X Sidewinder



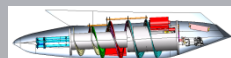
GBU-32 JDAM 1,000-lb (MK-83/BLU-110 Warhead)



BDU-57/58/60 Laser-Guided Training Round



GBU-31 JDAM 2,000-lb (BLU-109 Warhead)



Missionized Gun

Brimstone/Joint Common Missile MK-76/MK-58/BDU-48



GBU-32 JDAM 1,000-lb (MK-83/BLU-110 Warhead)



GBU-12 Paveway II 500-lb LGB (MK-82 Warhead)



GBU-31 JDAM 2,000-lb (MK-84 Warhead)



AGM-154A/C JSOW Glide Bomb



CBU-103/105 WCMD



GBU-38 JDAM 500-lb (MK-82 Warhead)



Brimstone/Joint Common Missile



GBU-31 JDAM 2,000-lb (BLU-109 Warhead)



AIM-120C AMRAAM



AIM-132 ASRAAM

Weapons Currently Under Development



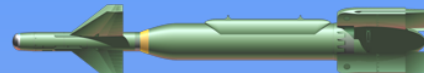
UK 500# PGB



Phase I SDB



GBU-10 Paveway II 2,000-lb LGB (MK-84 Warhead)



GBU-24A/B Paveway III 2,000-lb LGB (MK-84 / BLU-109 Warhead)



GBU-16 Paveway II 1,000-lb LGB (MK-83 Warhead)



MK-83 BLU-110 LDGP 1,000-lb LDGP



MK-83 BSU-85 HDGP



MK-84 2,000-lb LD/HDGP



MK-84 BSU-50 Ballute 2,000-lb HDGP



GBU-12 Paveway II 500-lb LGB (MK-82 Warhead)



MK-82 500-lb LD & HD



CBU-99/100 Rockeye II Cluster Munition



CBU-103/105 WCMD

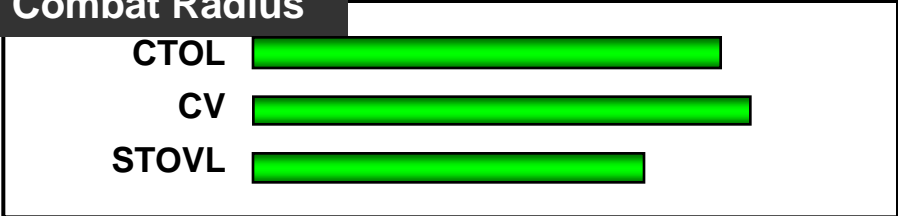


AIM-132 ASRAAM



Meeting Key Performance Parameters

Combat Radius 240-4.7



CV Recovery



STOVL Performance 240-4.7



Interoperability 240-4



RF Signature 240-4.7



- CTOL 240-4.4; STOVL 240-4.3; CV 240-4.5 unless noted
- Contract Engine Deck
- Projected IOC Weight Empty based on WSR 209 CE
- Data as of 2-26-08

- Threshold Requirement**
CE Performance
- █ Exceeds ORD Objective
 - █ Meets Rqmt/Exceeds Tripwire
 - █ Meets Rqmt/In Tripwire Band
 - █ Does Not Meet Requirement

Mission Reliability CTOL 240-4.4; STOVL 240-4.3; CV 240-4.5



Sortie Generation Rate CTOL 240-4.4; STOVL 240-4.3; CV 240-4.5



Logistics Footprint—C-17 Loads 240-4.4; 240-4.5



Logistics Footprint—Volume 240-4.4; 240-4.3; 240-4.5



Logistics Footprint—Weight





F-35 Capability Evolution

| 2010 Basic Training | |
|-------------------------------|------------|
| SDD Reference Missions | 0.5 |
| SEAD/DEAD (Strategic) | |
| SEAD/DEAD (Tactical) | |
| OCA (Fighter Sweep) | |
| DCA (Fighters & Bombers) | |
| DCA (Cruise Missile Defense) | |
| CAS (Battlefield) | |
| CAS (Urban) | |
| AI/STI (Strike) | |
| AI/UI (Stationary Targets) | |
| AI/UI (Moving Targets) | |
| AI/SUW (Port Attack) | |
| AI/SUW (Blue Water Attack) | |

| 2012 Initial Warfighting Capability | |
|--|-----------|
| SDD Reference Missions | 2B |
| SEAD/DEAD (Strategic) | |
| SEAD/DEAD (Tactical) | |
| OCA (Fighter Sweep) | |
| DCA (Fighters & Bombers) | |
| DCA (Cruise Missile Defense) | |
| CAS (Battlefield) | |
| CAS (Urban) | |
| AI/STI (Strike) | |
| AI/UI (Stationary Targets) | |
| AI/UI (Moving Targets) | |
| AI/SUW (Port Attack) | |
| AI/SUW (Blue Water Attack) | |

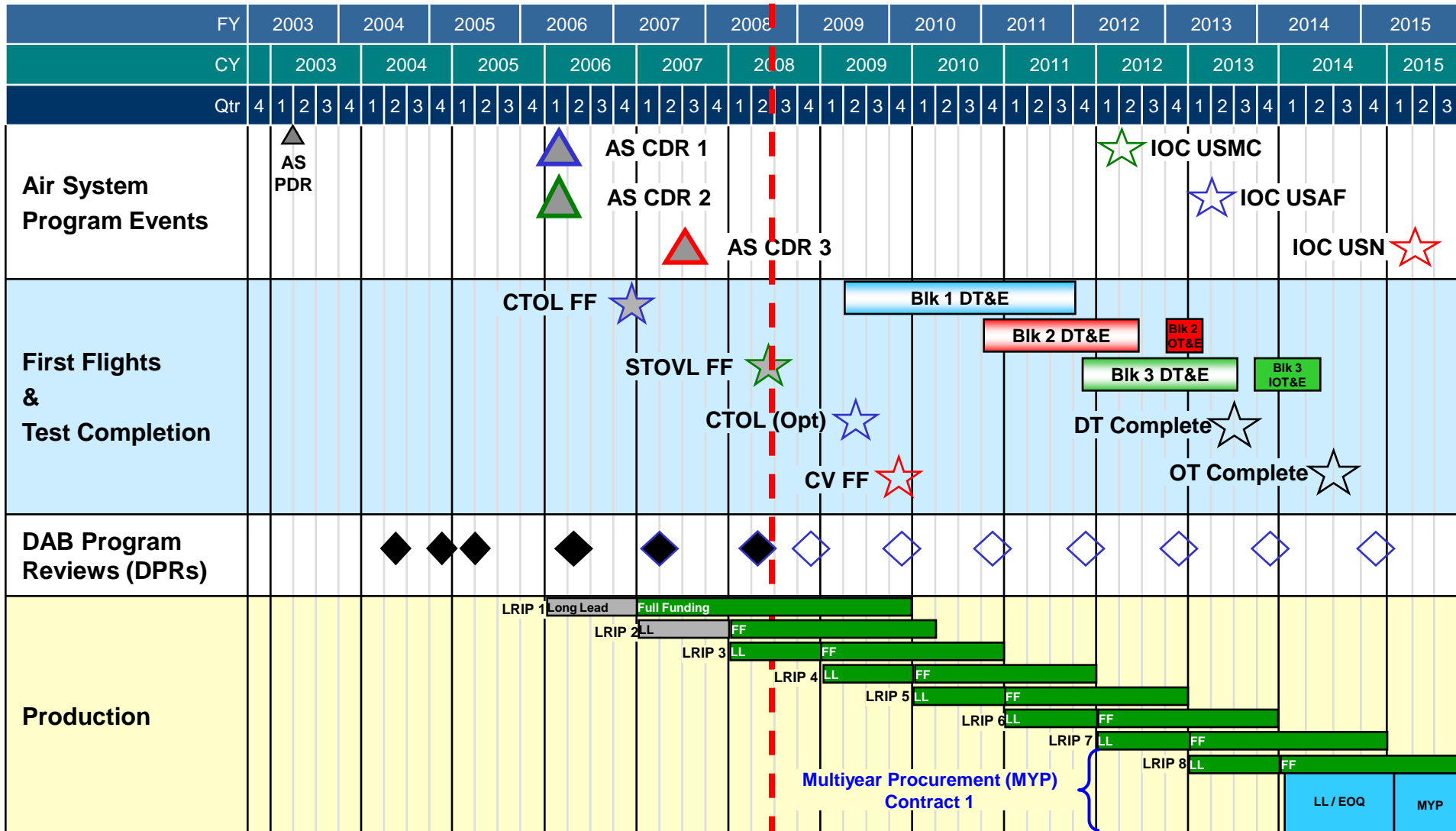
| 2014 Full Warfighting Capability | |
|-------------------------------------|-----------|
| SDD Reference Missions | 3B |
| SEAD/DEAD (Strategic) | |
| SEAD/DEAD (Tactical) | |
| OCA (Fighter Sweep) | |
| DCA (Fighters & Bombers) | |
| DCA (Cruise Missile Defense) | |
| CAS (Battlefield) | |
| CAS (Urban) | |
| AI/STI (Strike) | |
| AI/UI (Stationary Targets) | |
| AI/UI (Moving Targets) | |
| AI/SUW (Port Attack) | |
| AI/SUW (Blue Water Attack) | |

 [Link to Rating Scale](#)





JSF Top-Level SDD Program Schedule





JSF Acquisition Timeline

1990 1995 2000 2005 2010 2015 2020 2025 2030 → 2065

- ASTOVL
- MRF
- ATA
- NATF
- AX

JAST JSF CDP



JSF SDD Derivatives and Enhancements

System Development and Demonstration

LRIP 1-7

Low Rate Initial Production

Full Rate Production

2027 2033

Sustainment

USMC USAF USN
IOC Dates



F-35 PRECURSOR PROGRAMS:

- Advanced Short Takeoff Vertical Landing
- Multi-Role Fighter
- Advanced Tactical Aircraft
- Naval Advanced Tactical Fighter
- Advanced Attack
- Joint Advanced Strike Technology
- Concept Definition Phase

10/01 Award

F-35 Passing Through The Eye Of The Needle



BF-1 Flight Test Results to Date



Objectives

- STOVL envelope expansion
- First of variant systems integration
- Initial LHD ship operations

Status

- 16 Flts to date;
- Completing airworthiness below 30k ft
- Commencing STOVL door opening and aerial refueling flying qualities testing

Accomplishments

- Envelope expansion
 - 30,000 feet, .6 Mach, 17 degrees AoA
- Systems integration/risk reduction items discovered:
 - Electric system maturation
 - Landing gear loads above 200 kts
 - Fuel system performance/anomalies
 - Cabin pressure software anomaly
 - IPP bleed and burn exhaust temperatures
 - Nacelle vent fan anomaly
- Capabilities proven
 - Engine and afterburner transients in flight
 - Landing gear extension/retraction below 200 kts
 - STOVL door system proven in flight
 - Cabin pressure ops
 - Touch and go landings
 - Formation flying UA and PA
 - Max AB take off
- Reliability and maintainability
 - 6 Code One aircraft out of 11 flts
 - One “two sorties on same day” 18 July
 - Turned aircraft in 90 minutes



AA-1 Flight Test Results to Date



Objectives

- Risk reduction/confirmation
- Basic envelope expansion
- Systems integration / reliability

Status

- 52 flts to date
- EAFB deployment week of 29 Sep 08

Accomplishments

- **38,000 feet, .97 Mach, 22 degrees AoA**
- **Risk reduction items discovered:**
 - Electrical System
 - Flight Controls
 - Environmental Systems
 - Escape System
- **Capabilities proven**
 - Air refueling door open handling qualities
 - Engine and afterburner transients
 - Landing gear extension/retraction
 - Speedbrake design
 - Power / Thermal Management System
 - Fire Protection System
- **Reliability and maintainability**
 - 37 Code I aircraft out of 46 flts
 - Ten times flew back-to-back days
 - Three “two sorties on same day”
 - Turned aircraft in 60 minutes last time



SDD Tasks to Complete

Test



Labs

40,000 Hours



CATB

**2124 Hours
524 Flights**

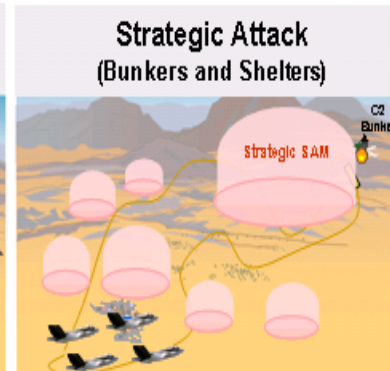
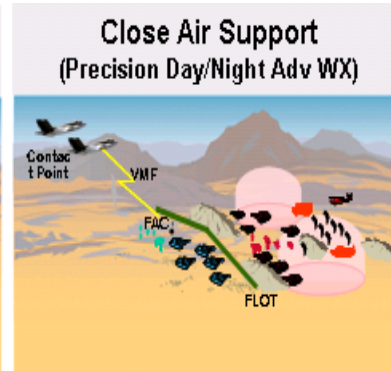
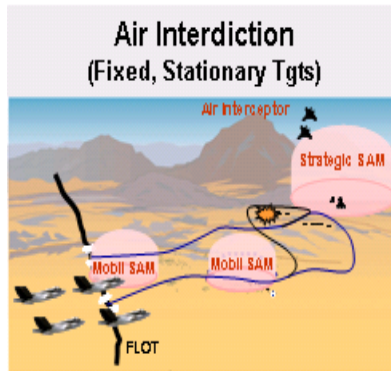


F-35

**8949 Hours
4986 Flights**



Verify

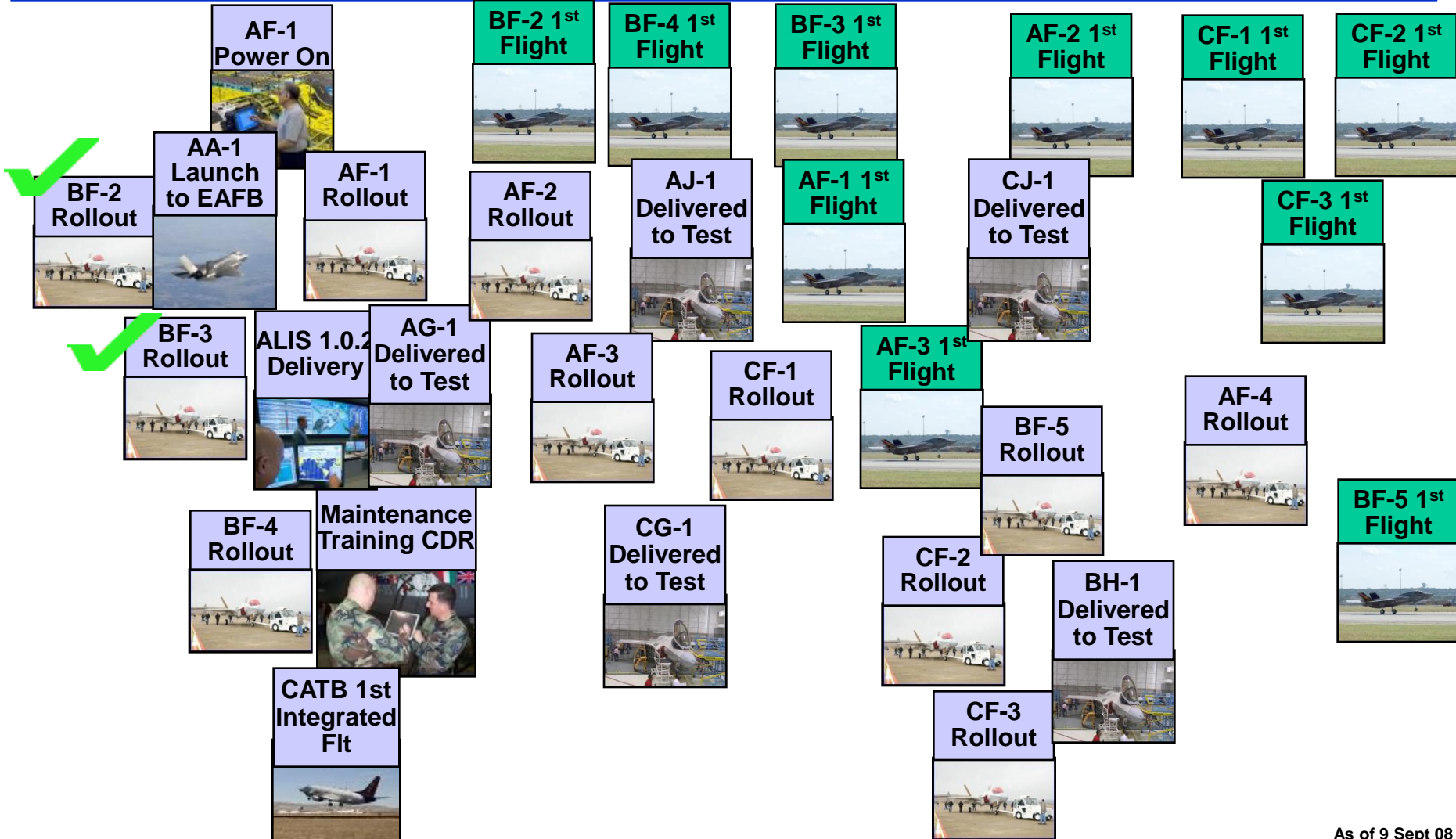


**460 JCS Contract Specification Requirements
1554 Verification Objectives (VO)
3116 Success Criteria (SC)**



2008/2009 Milestones

Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec





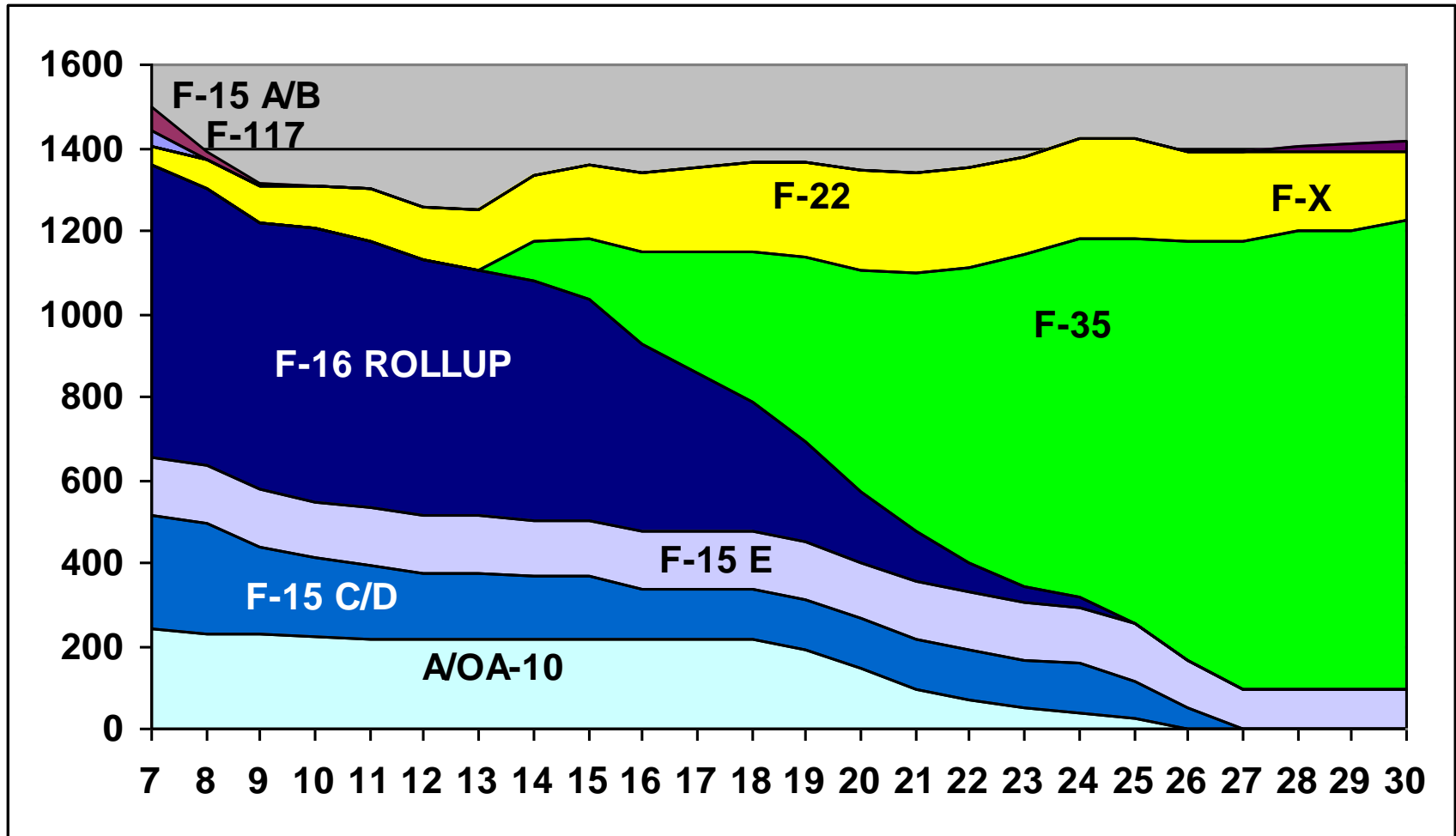
F-35 Production Profile

| | BLK 0.5 | BLK 1 | BLK 2 | BLK 3 | → | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | |
|---------------|----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------------|------|
| | LRIP 1 | LRIP 2 | LRIP 3 | LRIP 4 | LRIP 5 | LRIP 6 | LRIP 7 | LRIP 8 | MY 1 | | | | MY 2 | | | | MY 3 | | | | MY 4 | | | | | | | | | | |
| Buy Year | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | |
| Delivery Year | 2010 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | | | |
| USAF - CTOL | 2 | 6 | 8 | 12 | 24 | 42 | 48 | 60 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 41 | 1763 |
| DoN - CV | | | | 4 | 6 | 15 | 17 | 20 | 19 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 38 | 25 | 25 | 9 | | | | | | | | | | 680 | |
| DoN - STOVL | | 6 | 8 | 14 | 13 | 25 | 25 | 30 | 31 | | | | | | | | | | | | | | | | | | | | | | |
| UK - STOVL | | | 2 | 1 | 0 | 6 | 1 | 8 | 11 | 12 | 13 | 12 | 12 | 7 | 2 | 1 | 1 | 12 | 13 | 13 | 11 | | | | | | | | | 138 | |
| IT - STOVL | | | | | | 4 | 3 | 3 | 3 | 3 | 14 | 14 | 12 | 1 | | | | | | | | | | | | | | | 57 | | |
| IT - CTOL | | | | | | 2 | 3 | 11 | 11 | 11 | | | | 11 | 12 | 12 | 1 | | | | | | | | | | | | 74 | | |
| AS - CTOL | | | | | 4 | 8 | 15 | 15 | 15 | 15 | 15 | 13 | | | | | | | | | | | | | | | | | 100 | | |
| CA - CTOL | | | | | | | | 16 | 16 | 16 | 16 | 16 | | | | | | | | | | | | | | | | | 80 | | |
| DK - CTOL | | | | | | | | 8 | 8 | 8 | 8 | 8 | 8 | | | | | | | | | | | | | | | | 48 | | |
| NL - CTOL | | | 1 | 1 | | 6 | 10 | 10 | 12 | 12 | 12 | 12 | 9 | | | | | | | | | | | | | | | | 85 | | |
| NO - CTOL | | | | | | | | 8 | 12 | 12 | 12 | 4 | | | | | | | | | | | | | | | | | 48 | | |
| TR - CTOL | | | | | | 10 | 10 | 10 | 12 | 12 | 10 | 10 | 10 | 10 | 6 | | | | | | | | | | | | | | 100 | | |
| TOTAL | 2 | 12 | 19 | 32 | 47 | 118 | 132 | 199 | 230 | 231 | 230 | 219 | 181 | 159 | 150 | 143 | 120 | 117 | 118 | 102 | 91 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 41 | 3173 | |

- Reflects PB09 QTY Profile with Adjusted Navy/Marine Breakout FY 14/15 - As of 18 Sept 08



USAF Force Structure PMAI





F-35 Global Coalition Basing

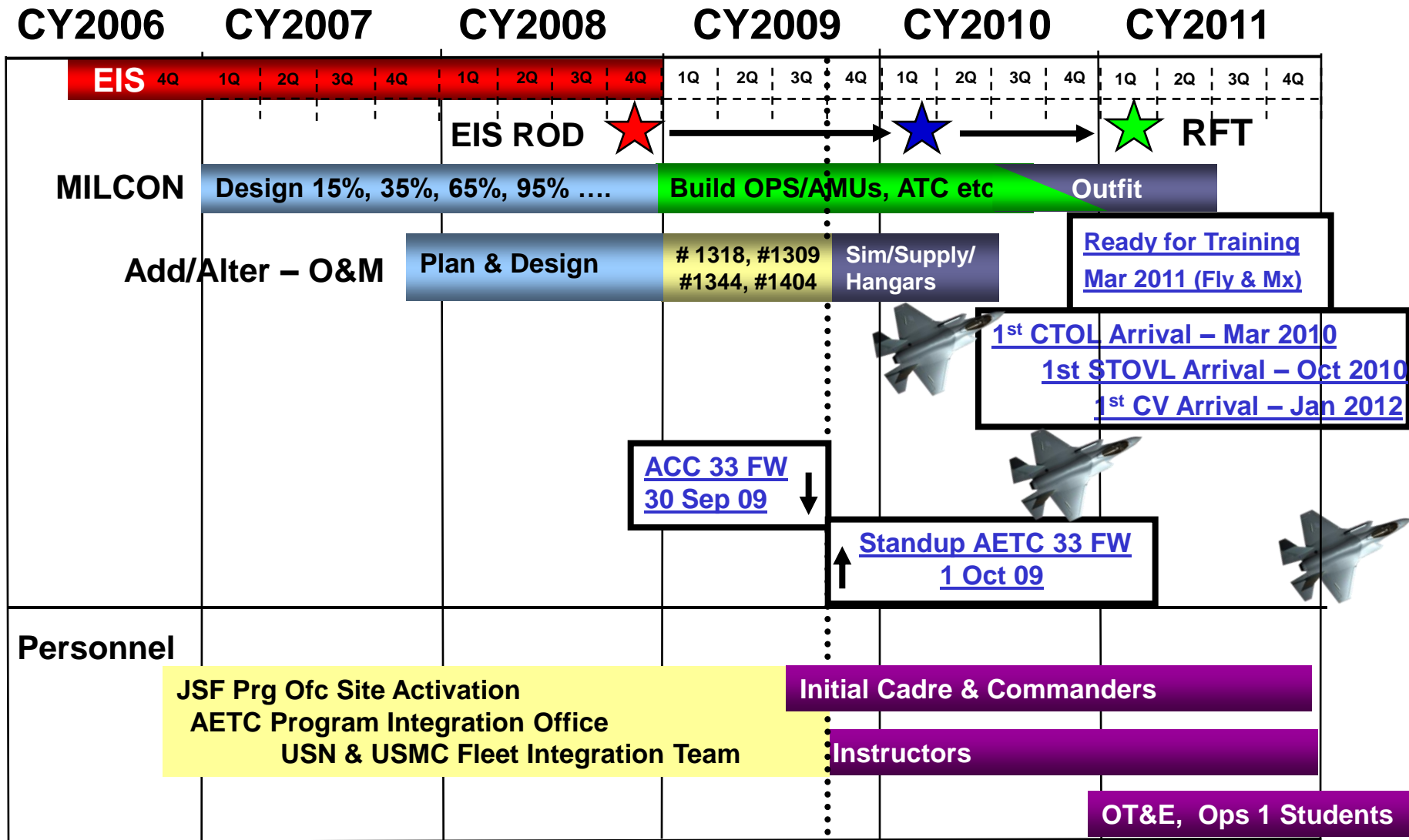
Operational Locations: 52 Bases, 9 Ships, 156 Squadrons



F-35 Requires Global Supply Chain Solution



Eglin F-35 Beddown Timeline





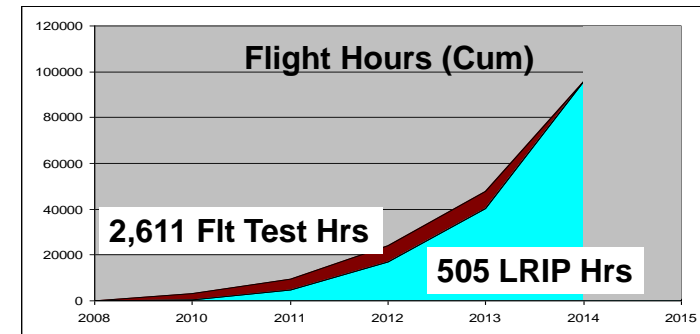
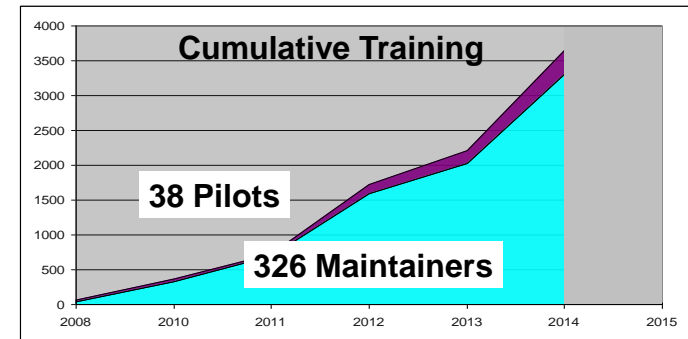
Eglin Operations Scope and Context

| | 2016 | 2006 |
|--|---|--------------------------------------|
| Aircraft | 159 (113 JSF) | 108 (54 F-15s) |
| Student output (2016) <ul style="list-style-type: none"> • Pilots • Mx | 186 / FY 1,950 / FY | |
| Total Air Traffic Control Ops (at all three airfields) | 415,200 | 206,900 |
| 33 FW ATC Ops / yr at Eglin Main only | 121,300 | 29,206 |
| 33 FW Sorties / day (year) | 123 (30,000) | 40 (8,300) |
| 33 FW Timing | 1st F-35 – Mar 10 113th – Jun 15 | Last F-15C Departs Sep 09 |



2010 Significant Events

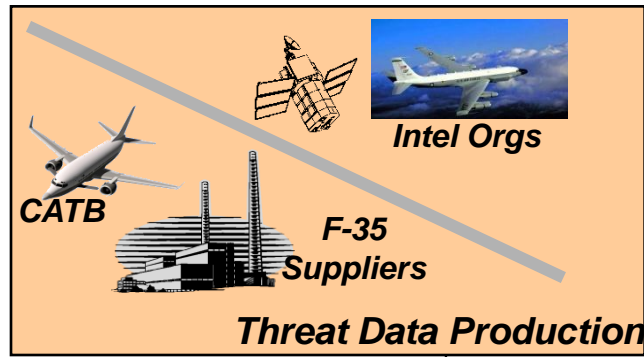
- **Delivered 14 Aircraft To ITC**
- **Facilities construction nearing completion**
- **US EW Reprogramming Facility up and running—serves all three services**



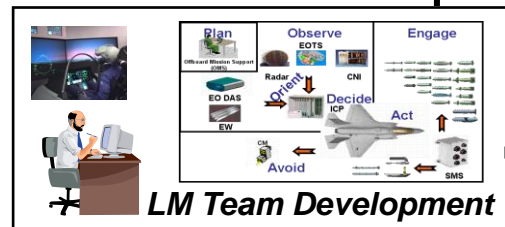


Eglin Reprogramming Center

JSF Reprogramming Facility



Intel Support



JCS Appendix E-1
*(~80 threats today)

F-35 Development

Intel Support Requirements

F-35 Air System Products (Data & Capabilities)

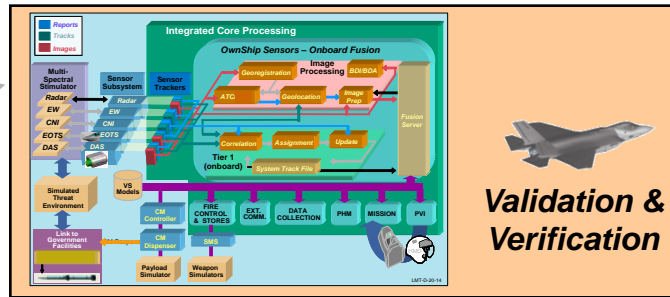
Mission Data Files (e.g., Threat Data)

Sensor/Alg Engineering

Operations Reports

Mission Debrief

Sensor Recordings



Validation & Verification

Theater Data Sets

Theater Data Sets

Mission Planning

Mission Data Files

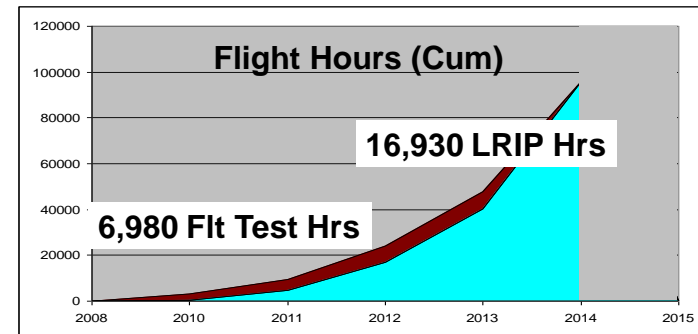
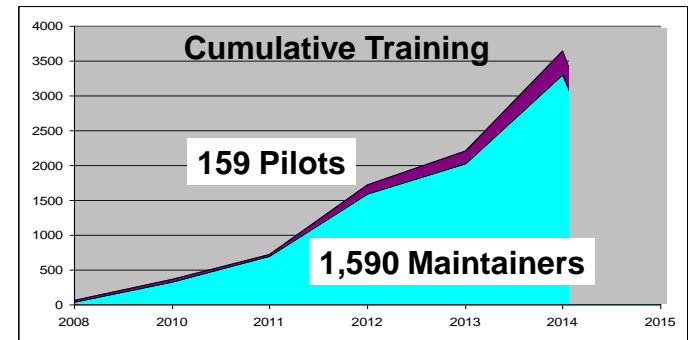
F-35 Operations

*(7 theatres; > 5,000 threats Post-SDD)



2012 Events

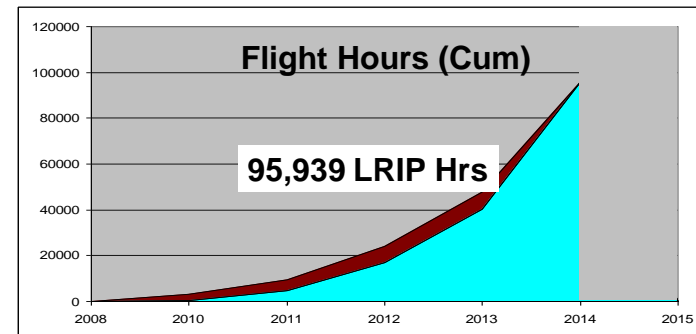
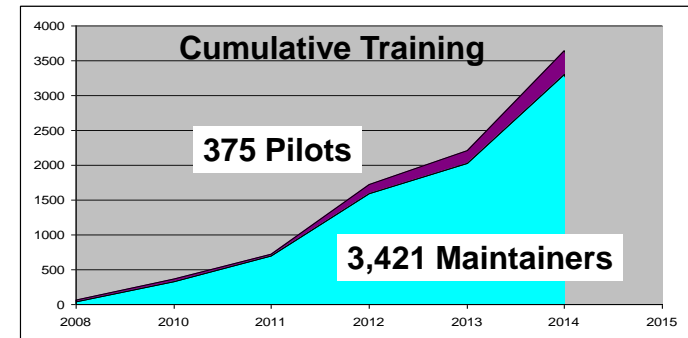
- **Flight Testing at Three Sites**
- **Training Export Certification and Accreditation approved**
- **Achieved ITC Full Capacity**
- **Partner Reprogramming Lab Underway**
 - All US and International Reprogramming activities will be at Eglin





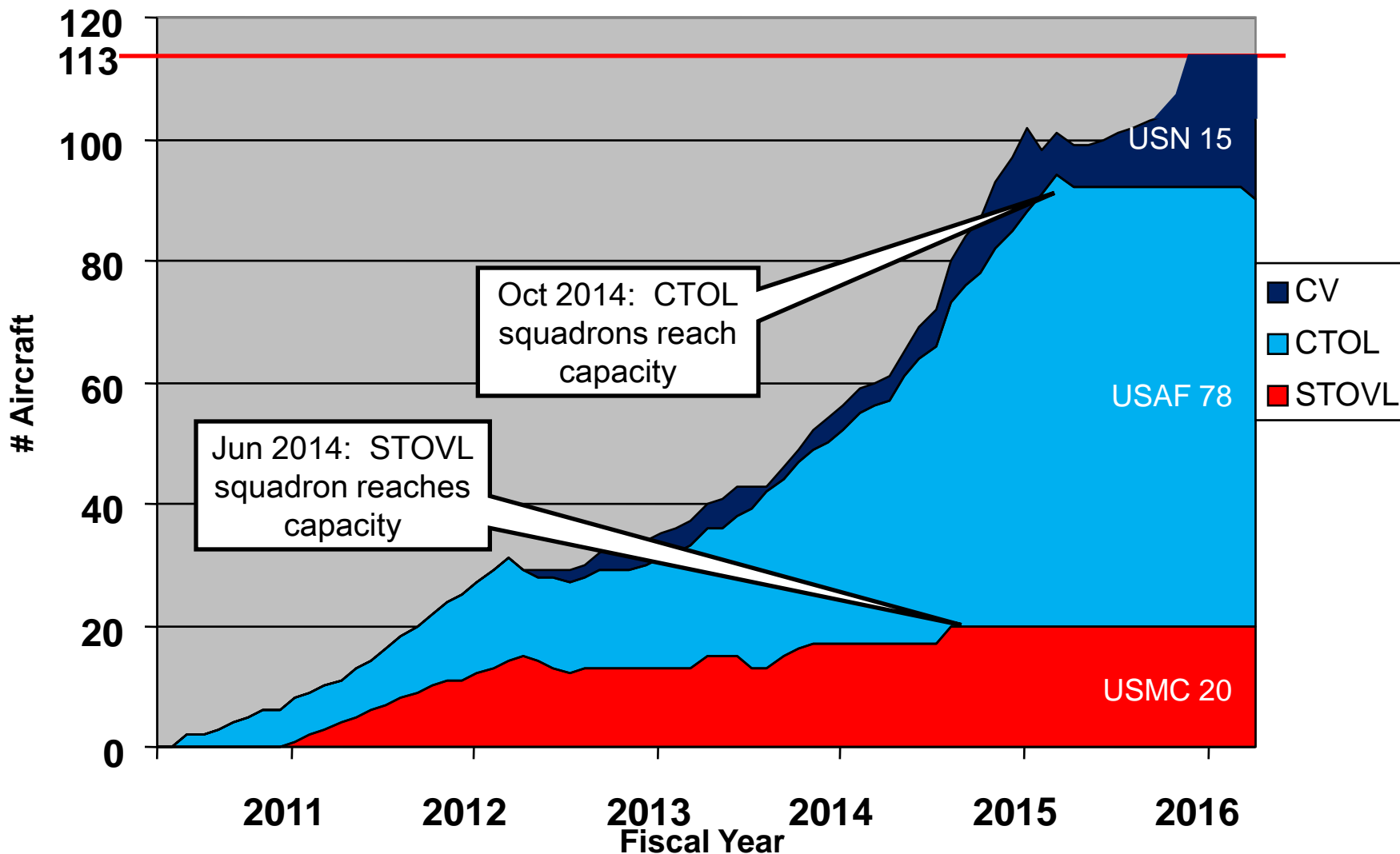
2014 Events

- **Trained 375 Pilots and 3421 Maintainers**
- **Delivered 236 Production Aircraft**
- **Completed DT&E Verification**
- **Accomplished NDP Compliance Certification and Accreditation**





Eglin F-35 Deliveries (Latest Plan)



Training Squadrons & Ramp Space reach capacity in June 2015



Pilot Throughput (Academic Training Facility)

Numbers are based on 2008 bed down

| Fiscal Year | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|--------------|----------|-----------|-----------|-----------|------------|------------|------------------------|------------|
| USAF | 4 | 6 | 15 | 29 | 46 | 71 | 89 | 99 |
| USMC | 2 | 16 | 19 | 29 | 46 | 49 | 56 | 69 |
| USN | | | 8 | 11 | 18 | 21 | 28 | 31 |
| UK | | 3 | 2 | 0 | 9 | 10 | 10 | 16 |
| NETHERLANDS | | 2 | 3 | 2 | 7 | 9 | 9 | 9 |
| ITALY | | 1 | 2 | 2 | 3 | 5 | 9 | 10 |
| AUSTRALIA | | | | 3 | 12 | 9 | 6 Train in Australia → | |
| TURKEY | | | | | 4 | 5 | 5 Train in Turkey → | |
| NORWAY | | | | | | | 4 | 10 |
| CANADA | | | | | | | 6 | 10 |
| DENMARK | | | | | | | 8 | 10 |
| TOTAL | 6 | 28 | 49 | 77 | 145 | 179 | 230 | 264 |

Pilot training capacity reaches max capability of 186 in late 2015



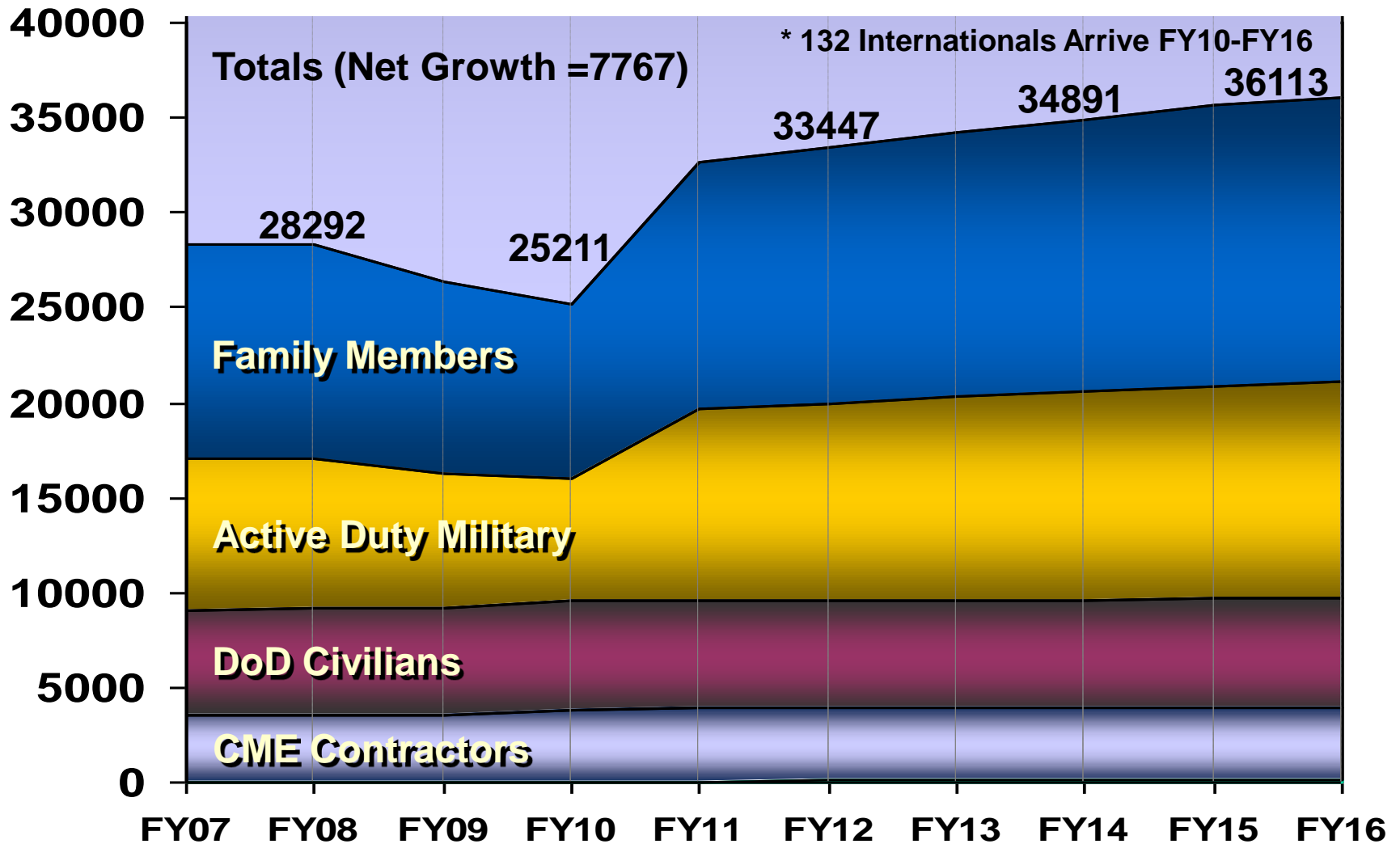
Maintainer Annual Throughput (Academic Training Facility)

| Fiscal Year | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|-------------------------------|------------|------------|------------|------------|-------------|------------------------|-------------|-------------|
| USAF (CC, Av, Wpn) | 71 | 65 | 116 | 216 | 341 | 486 | 630 | 823 |
| USMC | 55 | 164 | 187 | 208 | 371 | 394 | 535 | 604 |
| USN | | | 53 | 81 | 237 | 321 | 409 | 456 |
| UK | | 26 | 21 | 13 | 85 | Train in UK → | | |
| NETHERLANDS | | 12 | 12 | 0 | 77 | Train in Netherlands → | | |
| ITALY | | | | | 71 | 72 | 168 | 214 |
| AUSTRALIA | | | | 48 | 98 | Train in Australia → | | |
| TURKEY | | | | | 45 | Train in Turkey → | | |
| NORWAY | | | | | | TBD → | | |
| CANADA | | | | | | TBD → | | |
| DENMARK | | | | | | | 192 | 192 |
| TOTAL | 126 | 267 | 389 | 566 | 1325 | 1273 | 1934 | 2298 |

Academic Facility can support maintenance training until fall 2016



Eglin AFB Population FY07-FY16





AIMPOINT 2014: Global Ops

| CY | 2008 | 2010 | 2012 | 2014 |
|-----------------------------|-----------|-------|------------|------------|
| Aircraft (SDD+LRIP) | 2 | 24 | 77 | 242 |
| Flight Hours (SDD+LRIP) | 190 | 3,100 | 23,300 | 91,300 |
| Aircraft Shore Sites | 2 | 4 | 6 | 12 |
| Site Activation Underway | 13 | 20 | 25 | 17 |
| Pilots Trained | 8 (ITF) | 8 | 94 | 340 |
| Maintainers Trained | 234 (ITF) | 144 | 1,478 | 3,309 |
| ITC/PTC | | 1 | 1 | 4 ? |
| Pilot Training Devices | | 2 | 15 | 26 |
| Mx Training Devices | | | 9 | 13 |
| DSOR Decisions | 5 | 9 | 27 | 43 |
| Sub-System Capability | | | 13 (of 48) | 30 (of 48) |
| Field Support Eng | 3 | 10 | 24 | 65 |
| Service Bulletins | | 87 | 262 | 437 |
| Global Spares Value (TY\$M) | 230 | 1,055 | 2,380 | 4,673 |
| PBAs/PPRs | 2 | 6 | 8 | 12 |
| OEM PBL Suppliers | | 5 | 12 | 19 |



Sustainment ... Globally Supported And Delivered



Questions?