BLUF

• **F-35 Provides**
  ◦ A weapons customer base of ~3000+ advanced, multi-role stealthy strike fighters, with long range active passive multi-spectral sensors, with four internal and seven external weapon stations

• **F-35 Needs**
  ◦ Weapons with longer range, shorter time to kill, survivable and **JOINT** to take advantage of its sensor capabilities, and that can be carried both internal and external
  ◦ Weapons that are more affordable and easier to integrate
  ◦ Have international release considerations built into the design from the beginning.
  ◦ Launch Acceptable Region (LAR) updates direct into OFPs
  ◦ Authoritative weapon models for simulators
  ◦ Network models for distributed training
F-35 - It’s a Coalition Composed of 3000+ AC

Economies of scale is the primary affordability driver

Canada - United States - United Kingdom - Australia - Norway - Denmark - Italy - Japan - Israel - Korea

F-35: The Most Prolific Modern Fighter Since the F-4 and F-16
What F-35 Provides to the Combatant Commander

Day One Stealthy Long Range, Interoperable, Multi-Role Coalition Strike-Fighter which can be deployed from Main Operating Bases, Aircraft Carriers, “L” Class Ships and Austere Air Bases
F-35 Bed Down Through 2018

As of 17 Sep 2014

*Source Data: Sustainment Beddown Break Down_091114

**F-35 Global Deployment**

- F-35A
- F-35B
- F-35C

**Total: 386**

**FWD Deployed USMC (16)**

**Australia (2)**

**FMS (39)**

**L decad Edwards AFB (9)**

**Hill AFB (61)**

**Nellis AFB (20)**

**(FDE/WIC)**

**Navy Ops West (10)**

**Edwards AFB (22)**

**(OT)**

**MCAS Yuma (23)**

**(Ops)**

**MCAS Beaufort (27)**

**RAF Marham**

**Norway (9)**

**Orland**

**Italy (7)**

**Williamtown**
F-35 Capability at 2018

Weapons Cleared (Internal & Some External):

F-35A
- AMRAAM C (4 Int)
- AIM-9X (2 Ext)
- Internal Gun
- GBU-31 JDAM 2,000 lb (2 Int)
- GBU-12 Paveway II 500 lb LGB (2 Int & 4 Ext)
- SDB-I (8 Int)

F-35B
- AMRAAM C (4 Int)
- AIM-9X (2 Ext)
- Gun Pod (Ext)
- GBU-31 JDAM 2,000 lb (2 Int)
- GBU-32 JDAM 1,000 lb (2 Int)
- GBU-12 Paveway II 500 lb LGB (2 Int & 4 Ext)
- JSOW (2 Int)

F-35C
- AMRAAM C (4 Int)
- AIM-9X (2 Ext)
- Gun Pod (Ext)
- GBU-31 JDAM 2,000 lb (2 Int)
- GBU-32 JDAM 1,000 lb (2 Int)
- GBU-12 Paveway II 500 lb LGB (2 Int & 4 Ext)
- JSOW (2 Int)

Full Mission Capability
Weapon Carriage

Internal Weapon Bays
- Combined A-G and A-A
- 2000 lb on F-35 A and F-35C
- 1000 lb on F-35B
- Internal Adapters

GAU-22 25mm Gun
- Internal F-35A
- Missionized F-35B & F-35C

MIL-STD-1760C Class 1 Interface at A/G Stations
- Tailored Class 1 at A-A
- 8 Independent ‘1553 Channels

SMS Hardware I/O Structure
- Provides Legacy Non-1760 Interface
- Provides Growth Flexibility for Future Stores

Centerline Station On All Versions
- Structural & Tailored F-35B Mil-STD-1760 Class 1
- Missionized Gun F-35B & F-35C

Non-Pyrotechnic Suspension & Release Equipment

Single Point Safing From Outside Cockpit

6 External Hardpoints
- Air-to-Air and Air-to-Ground Pylons
- Advanced Rail Launchers and AME
SDD Weapons
Proposed Weapon Growth

Weapon integration requests likely to exceed the capacity. Actual capability delivery will depend on weapon maturity, funding, development and certification capacity.
Questions?