F-35 Lightning II Sustainment

F-35 Sustainment Delivering Today

- **Detachments and Deployments**: 141+ in 2019
- **Services Flying**: 60 in 2019
- **Flight Hours**: 309,000
- **Sorties Generated**: 181K+

Current Performance

**F-35 Performance by LRIP**
*August 1, 2019 – July 31, 2020*

- **Mission Capable**
- **Recent Highlights**
  - Hill Deployments 75% MC Rate
  - Italian NATO Mission >90% MC Rate

- **Cost per Tail per Year reduction** for USAF F35A since FY15
- **Reduction in S-Rate in 2019**
- **Mods Completed in 2019**
- **Reduced Cannibalization Rate**
- **60% Reduction on EEL Defects in 2019**

Sustainment Definitions

**Mission Capable (MC):** Systems and equipment are considered MC when they are safe and have all mission-essential subsystems installed and operating as designated by a Military Service.

**Non Mission Capable Maintenance (NMCM):** NMCM is a materiel condition indicating that systems and equipment are not capable of performing any of their assigned missions because of unit level maintenance requirements.

**Non Mission Capable Supply (NMCS):** NMCS is a materiel condition indicating that systems and equipment are not capable of performing any of their assigned missions because of maintenance work stoppage due to a supply shortage.

**Cannibalization Rate:** The extent to which units of the armed forces remove serviceable parts, supplies, or equipment from one aircraft in order to render a different aircraft operational. Cannibalization is practiced when it is faster to remove a needed part from one aircraft and install it in another than to obtain that part from the supply system.
F-35 Sustainment Delivering Today

Investing to Deliver 5th Generation Sustainment

- High Reliability
- High Velocity Supply Chain
- Predictive Health and Advanced Analytics
- Condition-Based Maintenance

Improving Supply Posture

- 20/31 Base Standups (2025)
- 4/17 Ship Activations (2025)
- 5/9 Depot Air Vehicle Activations (2024)
- 1/2 Regional Warehouse Standup
- 31/68 Component Repair Activations (2024)

- $500M Invested in Spare Parts
- 10 PBL Contracts with Suppliers
- 23 Master Repair Agreements
- $360M Internal Investments in Automations

Paid in Full (PBL) Contracts

- Improving Supply Posture

August 2020