

F-35 Lightning II Sustainment

F-35 Sustainment Delivering Today

<p>Detachments and Deployments</p> <p>178+</p> <p>48 in 2020</p>	<p>Services Flying</p> <p>14</p>	<p>Flight Hours</p> <p>360,001</p>	<p>Sorties Generated</p> <p>212K+</p>
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Current Performance

F-35 Performance by LRIP
November 1, 2019 – October 30, 2020

LRIP/Lot	Mission Capable (%)
LRIP 2/3 (28 A/C)	~63%
LRIP 4 (30 A/C)	~60%
LRIP 5 (31 A/C)	~52%
LRIP 6 (36 A/C)	~58%
LRIP 7 (34 A/C)	~63%
LRIP 8 (43 A/C)	~64%
LRIP 9 (53 A/C)	~69%
LRIP 10 (84 A/C)	~70%
LRIP 11 (129 A/C)	~76%
Lot 12 (94 A/C)	~74%

Recent Highlights

- Hill Deployments 75% MC Rate
- Italian NATO Mission >90% MC Rate

<p>9% Reduction in S-Rate in 2019</p> <p>Mods Completed in 2019</p> <p>83/83</p>	<p>34% Cost per Tail per Year reduction for USAF F35A since FY15</p> <p>Reduced Cannibalization Rate</p> <p>22%</p>
<p>11% > Than plan CTOL Mean Flight Hour Between Failure</p>	<p>60% Reduction on EEL Defects in 2019</p>

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.

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21/30
Base Standups
(2025)

6/17
Ship Activations
(2025)

5/9
Depot Air Vehicle
Activations (2024)

1/2
Regional
Warehouse
Standup

32/68
Component
Repair Activations
(2024)

Improving Supply Posture

\$500M
Invested in
Spare Parts

10
PBL Contracts
with Suppliers

27
Master Repair
Agreements

\$360M
Internal
Investments in
Automations

Investing to Deliver 5th Generation Sustainment

High
Reliability



High Velocity
Supply Chain



Predictive Health and
Advanced Analytics



Condition-Based
Maintenance

