



F-35 Lightning II Program Status and Fast Facts March 14, 2013

Program Status

- SDD flight test activity totals for 2013 as of March 12, are provided below:
 - F-35A Flight Science aircraft have flown 31 times
 - F-35B Flight Science aircraft have completed 17 flights
 - F-35C Flight Science aircraft have flown 41 times
 - The Mission Systems Test Aircraft have flown 50 times*
- Since December 2006, F-35s have flown 4,069 times and accrued more than 6,350 cumulative flight hours. This total includes 91 flights from the original test aircraft, AA-1; 2,734 SDD test flights; and 1,244 production-model flights. For video highlights of the F-35 program, [click here](#).
- In February, AF-1 completed clean-wing flutter testing.
- On February 1, AF-3 flew the first F-35 program Infra-Red Countermeasures separation.
- On February 5, the F-35 fleet (AA-1, SDD and LRIP) surpassed 6,000 flight hours
- On February 14, the first F-35C production model (CF-6) took flight in Fort Worth
- On February 20, the first F-35 flight at MCAS Yuma was completed by BF-20
- On March 2, the second Netherlands aircraft (AN-2) rolled out of the F-35 production facility
- On March 4, AF-18 and AF-19 ferried to Luke AFB then to Edwards AFB on March 6 (final destination)
- On March 4, BF-17 ferried to Fort Worth and then to EDW the next day
- On March 6, AF-21 and AF-22 ferried to Nellis AFB
- On March 5, the F-35 Fleet (AA-1, SDD and LRIP) surpassed 4,000 flights
- On March 6, BF-25 and BF-26 completed their first flight
- On March 7, BF-24 completed its first flight
- On March 11, AF-24 ferried to Nellis AFB
- On March 13, Eglin AFB flew 19 sorties, which is their highest one day total to date.

F-35 Fleet Status

58 F-35s have been delivered to the Department of Defense:

- 38 Low Rate Initial Production (LRIP) Aircraft
 - There are 22 LRIP F-35s based at Eglin AFB, Fla. (9 CTOL, 13 STOVL (including two international aircraft))
 - There is 1 LRIP F-35B based at PAX River NAS, Md.
 - There are 2 LRIP F-35As and 1 LRIP F-35B based at Edwards AFB, Calif.
 - There are 2 LRIP F-35As based at Edwards AFB, CA for Operational Testing.
 - There are 3 LRIP F-35Bs based at MCAS Yuma, Ariz.
 - There are 3 LRIP F-35As based at Nellis AFB, Nev. (Plus AF-23 currently in Lubbock, Texas)
 - There are 3 LRIP F-35s based in Fort Worth expected to ferry to Edwards AFB and MCAS Yuma
- 20 System Development and Demonstration (SDD) aircraft complete the test and development fleet:
 - There are four F-35As assigned to Edwards AFB, Calif., and five F-35Bs along with four F-35Cs stationed at PAX River NAS, Md. This count includes six static aircraft and AA-1

**In 2012, the F-35 SDD created a separate 'variant' to track the F-35 mission systems, including EOTS/DAS/Radar/Fusion/Weapons-Integration/Delivery Accuracy), The Mission Systems, AF-3, AF-6, AF-7, BF-17, and BF-18 are the only F-35A Flight Test aircraft equipped with a full complement of avionics systems.*

Current as of March 14, 2013

Produced by Lockheed Martin F-35 Communications Team

Distribution Statement A: Approved for public release; distribution is unlimited.

Funding

- Long-lead funding LRIP lot 8 (35 aircraft) on February 28, 2013
- Long-lead funding LRIP lot 7 (35 aircraft)
- UCA funding for 31 USG aircraft and Long-Lead funding for five international aircraft LRIP lot 6 (36 aircraft)
- Full funding approved for LRIP lot 5 (32 aircraft)
- Full funding approved for LRIP lot 4 (32 aircraft)
- Full funding approved for LRIP lot 3 (17 aircraft)
- Full funding approved for LRIP lot 2 (12 aircraft)
- Full funding approved for LRIP lot 1 (2 aircraft)

Planned Quantities

USAF	1,763 F-35As
USN	260 F-35Cs
USMC	340 F-35Bs/80 F-35Cs
U.K. RAF/RN	138 F-35Bs
Italy	60 F-35As/30 F-35Bs
Netherlands	85 F-35As
Turkey	100 F-35As
Australia	100 F-35As
Norway	52 F-35As
Denmark	30 F-35As
Canada	65 F-35As
Israel	19 F-35As
Japan	42 F-35As

**Based on current programs of record.*

F-35 Quantities by Variant and Country for LRIP 5, 6, 7, 8

LRIP 5 (32 Total) - 32 U.S. / 0 International

United States

- 22 F-35A CTOL for the U.S. Air Force
- 3 F-35B for the U.S. Marine Corps
- 7 F-35C for the U.S. Navy

LRIP 6 (36 Total) - 31 U.S. / 5 International

United States

- 18 F-35A CTOL for the U.S. Air Force
- 6 F-35B for the U.S. Marine Corps
- 7 F-35C for the U.S. Navy

International

- 3 F-35A CTOL for Italy
- 2 F-35A CTOL for Australia

LRIP 7 (35 Total) - 29 U.S. / 8 International

United States

- 19 F-35A CTOL for the U.S. Air Force
- 6 F-35B for the U.S. Marine Corps
- 4 F-35C for the U.S. Navy

International

- 3 F-35A CTOL for Italy
- 1 F-35B STOV for UK
- 2 F-35A CTOL for Norway

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LRIP 8 (35 Total) - 29 U.S. / 6 International (4 UK, 2 Norway)**United States**

- 19 F-35A CTOL for the U.S. Air Force
- 6 F-35B for the U.S. Marine Corps
- 4 F-35C for the U.S. Navy

International

- 4 F-35B STOVL for UK
- 2 F-35A CTOL for Norway

Decisions

- On August 28, 2012, Lockheed Martin Aeronautics was awarded a \$206,821,828 modification to a previously awarded cost-reimbursement contract to begin phase one of the Israeli System Development and Demonstration program.
- On June 29, 2012 Japan formally signed a Letter of Offer and Acceptance to procure its initial order of four F-35A CTOLs and simulators.
- On June 14, 2012 the Norwegian Parliament approved the country's full participation in the F-35 program. This decision expands Norway's commitment from four training jets approved in 2011 to the full complement of 52 F-35s, subject to annual approvals by Parliament.

F-35 Specifications

	F-35A CTOL	F-35B STOVL	F-35C CV
Length	51.4 ft / 15.7 m	51.2 ft / 15.6 m	51.5 ft / 15.7 m
Height	14.4 ft / 4.38 m	14.3 ft / 4.36 m	14.7 ft / 4.48 m
Wingspan	35 ft / 10.7 m	35 ft / 10.7 m	43 ft / 13.1 m
Wing area	460 ft ² / 42.7 m ²	460 ft ² / 42.7 m ²	668 ft ² / 62.1 m ²
Horizontal tail span	22.5 ft / 6.86 m	21.8 ft / 6.65 m	26.3 ft / 8.02 m
Weight empty	29,300 lb	32,300 lb	34,800 lb
Internal fuel capacity	18,250 lb / 8,278 kg	13,500 lb / 6,125 kg	19,750 lb / 8,960kg
Weapons payload	18,000 lb / 8,160 kg	15,000 lb / 6,800kg	18,000 lb / 8,160 kg
Standard internal weapons load	<ul style="list-style-type: none"> • 25 mm GAU-22/A cannon • Two AIM-120C air-to-air missiles • Two 2,000-pound GBU-31 JDAM guided bombs 	<ul style="list-style-type: none"> • Two AIM-120C air-to-air missiles • Two 1,000-pound GBU-32 JDAM guided bombs 	<ul style="list-style-type: none"> • Two AIM-120C air-to-air missiles • Two 2,000-pound GBU-31 JDAM guided bombs
Maximum weight	70,000 lb class	60,000 lb class	70,000 lb class
Propulsion* (uninstalled thrust ratings)	F135-PW-100 40,000 lbs Max. 25,000 lbs Mil. Vertical N/A	F135-PW-600 38,000 lbs Max. 26,000 lbs Mil. 40,500 lbs Vertical	F135-PW-100 40,000 lbs Max. 25,000 lbs Mil. Vertical N/A
Speed (full internal weapons load)	Mach 1.6 (~1,200 mph)	Mach 1.6 (~1,200 mph)	Mach 1.6 (~1,200 mph)
Combat radius (internal fuel)	>590 nm / 1,093 km	>450 nm / 833 km	>600 n.mi / 1,100 km
Range (internal fuel)	>1,200 nm / 2,200 km	>900 nm / 1,667 km	>1,200 n.mi / 2,200 km
Max g-rating	9.0	7.0	7.5

**Maximum Power (Max) = with afterburner; Military Power (Mil) = without afterburner; Vertical = without afterburner*

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