








# Air National Guard F-15EX Eagle II & F-35A Lightning II Operational Beddowns Environmental Impact Analysis Process








## F-35 PROGRAM

### The F-35A:

-  Is intended to replace the aging fourth generation F-15, F-16, F-18, and A-10 aircraft.
-  Is the benchmark for fifth generation stealthy strike aircraft for the U.S military and our international partners.
-  Brings cutting-edge technologies to the 21st century battle space and ensures we continue to dominate the air.
-  Is the most lethal, supportable, and survivable aircraft ever to be used by so many warfighters around the globe.
-  Ensures our joint and coalition partners can fight "shoulder-to-shoulder" in future conflicts.





### F-35A Characteristics:

-  Mission: multi-role fighter.
-  Size: 51-feet long/35-feet wingspan.
-  Speed: 1,200 miles per hour (Mach 1.6).
-  Advanced stealth capabilities.
-  Ordnance: can carry maximum of 18,000 pounds internally and externally.



### The F-35 family includes three variants – all single-seat jets:

1. The **F-35A** conventional takeoff and landing variant for the Air Force will replace existing fighter aircraft and is designed to operate from Department of the Air Force and allied bases, Auxiliary Landing Fields, and expeditionary airfields.
2. The **F-35B** short takeoff/vertical landing variant for the Marine Corps will replace the AV-8B and F/A-18A/B/C/D aircraft. It is designed to operate from amphibious assault general purpose and multi-purpose type ships, alternative landing fields, and conventional aircraft carriers.
3. The **F-35C** carrier variant will replace the F/A-18A/B/C/D for the Navy and is designed to operate from conventional carriers.