


F-22 Raptor Fast Facts

Relevant, Dominant, Ready


- The 5th Generation F-22 is the world's premier air dominance fighter and a proven strategic deterrent.
- Lockheed Martin is leveraging fifth-generation commonalities between the F-22 and F-35 to build combat capabilities.
- Alongside the Air Force, we are focused on maintaining the F-22's asymmetric advantage through modernization and sustainment.
- Lockheed Martin is focused on connectivity for the F-22 with other platforms. The Link 16 transmit capabilities included in F-22 Raptor Agile Capability Release (RACR) Release 1 will enable the two-way exchange of J-series messages (Link 16) between the F-22 and other Link 16-enabled aircraft, including the F-35. Future F-22 modernization will focus on sensor, datalink, and survivability enhancements in an evolving threat environment.
- Across Lockheed Martin our team is actively working efforts to bring the Digital Trinity to life through agile software development, open systems architectures and digital engineering approaches. F-22 is a great example of these efforts. In fact, the F-22 has integrated the first Open System Architecture on a combat aircraft.
- We are laser focused on ensuring the F-22 is affordable across the lifecycle so it is Dominant & Ready for decades to come.
- We recently completed the Increment 3.2B/Update 6 multi-year upgrade effort bringing greater capability to the fleet including interoperability updates, radar improvements and additional weapon capability.
- In November 2021, Release 1 began fielding with start of first fleet aircraft modification. Release 1 provides an open systems architecture and additional communication capability, among other improvements.

Program Status




Sept. 2014
First Combat Strike

195 Produced & Delivered
(186 Production Aircraft 9 Test Aircraft)




Last Production F-22
Delivered in 2012



F-22 Modernization Driving Path to
Future Air Dominance

USAF Plans to Operate
F-22 Late into the Next Decade



Recent Milestones

- We've delivered 100% of Increment 3.2B upgraded jets and Update 6 upgrades.
- First Release 1 fleet modification completed in March 2022.
- Release 2 is progressing toward a fielding decision review in September 2022. Release 3 is underway and expecting to reach first flight in Q3 2022.
- We received the Advanced Raptor Enhancement and Sustainment (ARES) IDIQ contract, with work anticipated to complete by 2031.
- USAF credits Automatic Ground Collision Avoidance System (Auto GCAS) for saving F-22 and its pilot ([Popular Science](#)).

Squadrons

 411 th Flight Test SQ	 27 th Fighter SQ	 94 th Fighter SQ	 149 th Fighter SQ	 301 st Fighter SQ
 19 th Fighter SQ	 199 th Fighter SQ	 90 th Fighter SQ	 525 th Fighter SQ	 302 nd Fighter SQ
 422 nd Test & Eval Sq	 433 rd Weapons Sq	 43 rd Fighter Sq		

Payload Flexibility

