


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.
- 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. There is no better example of this than the F-22. 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.
- In parallel with Increment 3.2B, Update 6 is fielding another iteration of continuous software improvements for the F-22 including a critical interoperability update and significant improvements to radar and Intra-Flight Data Link stability

Program Status




Sept. 2014
First Combat Strike

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




Last Production F-22
Delivered in 2012



Modernization Continues:
Closing on Increment 3.2B
and Beginning Release 1

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



Recent Milestones

- We’ve delivered more than 90% of Increment 3.2B upgraded jets with the final amount scheduled to complete at the end of 2021.
- We’ve delivered more than 85% of update 6 upgrades with the final deliveries scheduled to complete at the end of 2021.
- Release 1 has received a fielding decision review and is progressing toward beginning the first modification in November 2021. Release 2 is progressing toward a fielding decision review in September 2022. Release 3 is underway and expecting to reach first flight in mid-2022
- Lt. Col. Ryan Pelkola, 302d Fighter Squadron, became the first pilot to reach the 2,000 flight hour achievement in the F-22 Raptor in August 2021.
- We received the Advanced Raptor Enhancement and Sustainment (ARES) IDIQ contract, with work anticipated to complete by 2031.

Squadrons



Payload Flexibility

