

4th vs. 5th generatie vliegtuig

5de generatie karakteristieken, die de 4de generatie mist

- Sensor integratie en fusie
- Netwerk centrisch optreden in het informatiedomein
- Zeer moeilijk te detecteren (Stealth)
- Geavanceerde zelfbeschermingsmiddelen
- Interne wapenlast
- Grote interne brandstoftanks
- Interne sensor units
- Stealth
- Centric Network Warfare
- Advanced countermeasures

"The F-35 was the only 5th-generation multi-role combat aircraft and the advantages it presented in terms of stealth, advanced sensors and avionics, commonality with the US, a future upgrade path and economic benefits from being a small part of a very large project were clear . . . The other aircraft options were mature, off-the-shelf, third/fourth-generation aircraft with reasonably well known performance characteristics that . . . were approaching the end of their upgrade paths and provided limited future growth potential to face future threats."

Angus Houston, Chief Defence Australia



In tegenstelling tot 4de generatie jachtvliegtuigen kunnen 5de generatie jachtvliegtuigen in een toekomstige dreigingsomgeving overleven en tevens de missie succesvol uitvoeren.

"The JSF has a much longer range. It is a stealth aircraft, which means it is extremely difficult to detect by radar or any other method. While a 4th-generation fighter is looking for the JSF, the JSF, full of sensors and generating and accessing elaborate information networks, will destroy it"

Angus Houston, Chief Defence Australia

De F-35 is een vijfde generatie stealth fighter. De Super Hornet is goed, maar is geen match voor de F-35.

Zowel China als Rusland zijn erg hard aan het werk aan een vijfde generatie fighter.