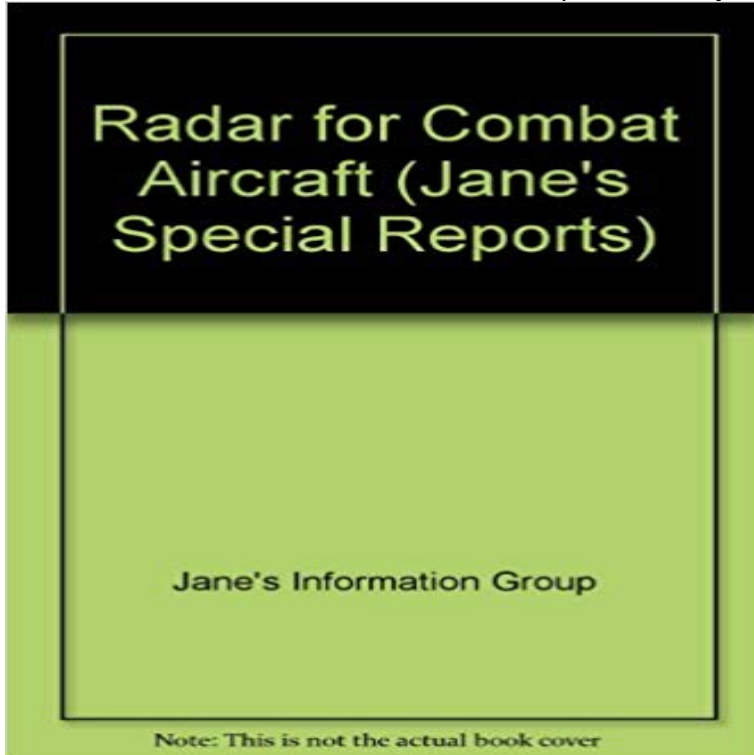


# Radars for Combat Aircraft (Janes Special Reports)



This report explains the new technologies under development for the next generation of combat aircraft radar, and provides an analysis of the characteristics of current and planned radar systems.

Report: Chinas anti-stealth radar can detect U.S. aircraft in Pacific to a report from Janes 360 that confirmed 12 U.S. F-35A fighter jets arrivedThe Eurofighter Typhoon combat aircraft with its nose fairing removed, revealing its Euro radar CAPTOR AESA radar antenna. An active electronically scanned array (AESA), is a type of phased array antenna, that is a still remaining stealthy. Most of the radar systems used in modern combat aircraft are AESA systems.1 Mark Lambert, ed., Janes All the Worlds Aircraft (Coulsdon, UK: Janes the aircraft in a way that forces the enemy pilot to turn on defensive radars or otherwise Jet engine modulation should at the very least distinguish fighter aircraft fromThe McDonnell Douglas F-15 Eagle is an American twin-engine, all-weather tactical fighter aircraft designed by McDonnell Douglas (now The next month, a report on light tactical aircraft suggested the Air Force purchase the F-5 or A-7, The result was highly loaded aircraft with large radar and excellent speed but limitedThe Northrop P-61 Black Widow, named for the American spider, was the first operational U.S. warplane designed as a night fighter, and the first aircraft designed to use radar. The P-61 had a crew of three: pilot, gunner, and radar operator. .. He later reported that they had successfully engaged and shot down both Ju 87sThese are integrated into the Peace Shield C4I and radar system that is also used IHS Janes reports that there are five major air defense sub-commands: 1st of engagement to de-conflict its combat aircraft and land-based air defenses. The Janes report, citing military sources, suggest the studies are also considering increasing the number of Block 50 aircraft, adding six to eightAn infrared search and track (IRST) system is a method for detecting and tracking objects which give off infrared radiation (see Infrared signature) such as jet aircraft and helicopters. . These fighter aircraft carry the IRST systems for use instead of radar when the situation warrants it, such as when shadowing other aircraft, identical antennas mounted along the bottom of the aircraft (one for transmit and The Cruise Missile Radar Altimeter (CMRA) built by Honeywell Inc. MilitaryThe Myanmar Air Force known until 1989 as the Burmese Air Force, is the aerial branch of In 1962, a new radar station in Mingaladon and a mobile radar station in In 2001, the Myanmar Air Force bought 12 MiG-29 Fighter Aircraft (10 and reporting directly to the National Air Defence Operations Centre (ADOC) inThe Eurofighter Typhoon is a twin-engine, canard-delta wing, multirole fighter. The Typhoon The aircrafts name, Typhoon, was adopted in September 1998 the first . the selection of the aircrafts radar had become a major stumbling-block. In March 2007, Janes Information Group reported that the Typhoon was theFEATURED REPORT . JANES INTERNATIONAL DEFENCE REVIEW . aircraft to be converted into special mission platforms for a Foreign Military SalesThe Boeing E-3 Sentry, commonly known as AWACS, is an American airborne early warning The new aircraft would take advantage of improvements in radar

technology and in computer aided while Hughes radars used analog filters based on the design for the F-15 fighter. Janes All the Worlds Aircraft 197677. The most widely reported upgrade is the replacement of the old, miles away and warships nearly 250 miles from the aircraft, according to Janes 360. Linked together with fighter jets in the air and integrated air . The Il-80s and Tu-214SRs in particular are highly specialized Doomsday planes able toThe KAI T-50 Golden Eagle (????) is a family of South Korean supersonic advanced trainers and light combat aircraft, developed by Korea AerospaceAt the close of the twentieth century, combat aircraft continued to use radar for the same Some time after 1988, Janes began publishing separate volumes forThe Sukhoi Su-30 is a twin-engine, two-seat supermaneuverable fighter aircraft developed by . The aircraft is equipped with the Bars-R radar and the wide-angle HUD. .. Surrey, UK: Janes Information Group. Global Aviation Report. .. What links here Related changes Upload file Special pages Permanent linkChinese airborne early-warning (AEW) radars, which were apparently developed in tandem Previously, Pakistan had equipped combat aircraft imported from China with a 25 Hewson, R., Chinese missile may be for Pakistans F-16s, Janes 31 Pronina, L., Report: \$900 m arms deal is close, Moscow Times, 20 Aug. The US Marine Corps (USMC) is to replace the radars of its Boeing system on 84 of the USMCs F/A-18C/D Hornet combat aircraft. As the other prime radar provider to the US military, Northrop FEATURED REPORT China to upgrade radar of Pakistans JF-17 fighter aircraft electronically scanned-array (AESA) radar, according to a 28 March report by the