

Centre For Airborne Systems

Netra AEW&C The aircraft is based on the Embraer EMB-145I airframe. the project for the development of the AEW&C system by DRDO. Primary responsibility for the project was with Centre for Airborne Systems (CABS), which The Netra AEW&C system is an Indian airborne early warning and control (AEW&C) aircraft developed indigenously by the Defence Research and Development Organisation (DRDO) for the Indian Air Force d1af41e652

== History == d1af41e652 The main advantage of airborne forces is their ability to be deployed into combat zones without a land passage, as long as the airspace is accessible. Formations of airborne forces are limited only by the number and size of their transport aircraft; a sizeable force can appear "out of the sky" behind enemy lines in merely hours if not minutes, an action known as vertical envelopment. d1af41e652 Committee Against Bird Slaughter d1af41e652 As of 2022, the only implementations that meets the ACAS II standards set by ICAO are Versions 7.0 and 7.1 of TCAS II (Traffic Collision Avoidance System... d1af41e652 == TCAS == d1af41e652 The Russian Airborne Forces utilizes a range of specialist airborne warfare vehicles and are fully mechanized. Traditionally they have had a larger complement of heavy weaponry than most contemporary airborne forces. d1af41e652 The origin of the programme possibly lies in the aftermath of the 1971 India-Pakistan war. As revealed by air operations on the western front, timely information retrieval and coordination, namely vectoring and interception, could... d1af41e652 Campus Area Bus Service, a bus system at Ohio State University d1af41e652

Selex ES and Airborne Systems (US) Inc. In 2009 SELEX Sistemi Integrati purchased Vega Group PLC, forming in the UK SELEX Systems Integration Selex ES was a subsidiary of Finmeccanica, active in the electronics and information technology business, based in Italy and the UK, and formed in January 2013, following Finmeccanica's decision to combine its existing SELEX Elsag and SELEX Sistemi Integrati businesses into SELEX Galileo, the immediate predecessor of Selex ES. p. became SELEX Galileo Inc. From 1 January 2016, the activities of Selex ES merged into Leonardo-Finmeccanica's Electronics, Defence and Security Systems Sector becoming Leonardo S. A d1af41e652

Airborne forces Parachute-qualified infantry Airborne forces are ground combat units carried by aircraft and airdropped into battle zones, typically by parachute drop. Parachute-qualified infantry and support personnel serving in airborne units are also known as paratroopers. Airborne forces are ground combat units carried by aircraft and airdropped into battle zones, typically by parachute drop d1af41e652

== Mission == d1af41e652 The ASP programme, code-named "Airavat", is one of the key force multipliers in India's modern war scenario. DRDO is developing an advanced surveillance platform based on a Hawker Siddeley HS 748 aircraft to detect targets at extended ranges with all-around azimuth coverage. It is designed to handle 50 targets and features a hybrid navigation system, including both satellite and ground (beacon) based topography. The communication and data links are dual redundant secure systems. d1af41e652 cabs (C function) d1af41e652 Protocol I of the Geneva Conventions protects parachutists in distress, but not airborne troops. Their necessarily-slow descent causes paratroopers to be vulnerable to anti-air fire from ground defenders, but combat jumps are at low altitude (400–500 ft) and normally carried out... d1af41e652 According to an order of the Ministry of Defense of the Russian Federation in 1997, the Airborne Forces form the strategic reserve of the Supreme Commander-in-Chief of the Armed Forces, under the direct command of the Chief of the General Staff, and as... d1af41e652 == History == d1af41e652 In 2003, the Indian Air Force (IAF) and DRDO carried out a joint study of the system-level requirements and feasibility of development for an Airborne Early Warning and Control (AEW&C) system. The Government then approved the project for the development of the AEW&C system by DRDO. Primary responsibility for the project was with Centre for Airborne Systems (CABS), which led the design, system integration and testing of the system. Electronics and Radar Development Establishment (LRDE) was responsible for the design of the radar array. The Defence Electronics Application Laboratory (DEAL), based in Dehradun, was responsible for the Data Link and Communication Systems for AEW&C system. d1af41e652 Centre for Airborne Systems d1af41e652 Airborne forces typically lack enough supplies for prolonged combat and so they are used for establishing an airhead to bring in larger forces before carrying out other combat objectives. Some infantry fighting vehicles have also been modified for paradropping with infantry to provide heavier firepower. d1af41e652 A distinction is increasingly being made between ACAS and ASAS (airborne separation assurance system). ACAS is being used to describe short-range systems intended to prevent actual metal-on-metal collisions. In contrast, ASAS is being used to describe longer-range systems used to maintain standard en route separation between aircraft (5 nautical miles (9.3 km) horizontal and 1,000 feet (300 m) vertical). d1af41e652

Airborne observatory By carrying the telescope to a sufficiently high altitude, the telescope can avoid cloud cover, pollution, and carry out observations in the infrared spectrum, above water vapor in the atmosphere which absorbs infrared radiation. By carrying the telescope to a sufficiently high altitude, the telescope An airborne observatory is an airplane or airship with an astronomical telescope. An airborne observatory is an airplane or airship with an astronomical telescope. Some drawbacks to this approach are the instability of the lifting platform, the weight restrictions on the instrument, the need to safely recover the gear afterward, and the cost compared to a comparable ground-based observatory d1af41e652

CABS may refer to: Campus Area Bus Service, a bus system at Ohio State University Centre for Airborne Systems Current Awareness in Biological Sciences Committee CABS may refer to: d1af41e652

== Origins == d1af41e652

Airborne collision avoidance system ACAS standards and recommended practices are mainly defined in Annex 10, Volume IV, of the Convention on International Civil Aviation. If the risk of collision is imminent, the system recommends a maneuver that will reduce the risk of collision. ACAS is being used to describe short-range systems intended to prevent actual metal-on-metal An airborne collision avoidance system (ACAS; usually AY-kas) operates independently of ground-based equipment and air traffic control in warning pilots of the presence of other aircraft that may present a threat of collision. being made between ACAS and ASAS (airborne separation assurance system). Much of the technology being applied to both military and general aviation today has been undergoing development by NASA and other partners since the 1980s d1af41e652

Laser Airborne Depth Sounder Flight RAN LADS Flight conducted its last sortie on 7 November The Laser Airborne Depth Sounder (LADS) Flight was a unit of the Royal Australian Navy. Service at HMAS Cairns, providing a platform for the operation of the laser airborne depth sounder system. Unlike the rest of the flying units of the RAN, it was not controlled by the Fleet Air Arm from HMAS Albatross, but instead fell under the operational control of the Australian Hydrographic Service at HMAS Cairns, providing a platform for the operation of the laser airborne depth sounder system d1af41e652

Centre for Airborne Systems Located in Bengaluru, its primary function is development and evaluation of airborne electronic systems for military applications. The Centre for Airborne Systems (CABS) is a laboratory of the Defence Research and Development Organisation (DRDO) of India. Located in Bengaluru, its The Centre for Airborne Systems (CABS) is a laboratory of the Defence Research and Development Organisation (DRDO) of India d1af41e652

Multiple observations of solar eclipses were performed from 1920 to 1980. NASA created first specialised airborne observatory, Galileo, in 1965. SOFIA, the latest such observatory, was retired in 2022. d1af41e652

Russian Airborne Forces Russian Airborne Forces (Russian: Воздушно-десантные войска России, ВДВ, romanized: Vozdushno-desantnye voyska Rossii, VDV) is the airborne separate The Russian Airborne Forces (Russian: Воздушно-десантные войска России, ВДВ, romanized: Vozdushno-desantnye voyska Rossii, VDV) is the airborne separate combat arm of the Russian Armed Forces. It is a rapid response force and strategic reserve that is under the President of Russia, reporting directly to the Chief of the General Staff, and is organized into airborne and air assault units. It was formed in 1992 from divisions of the Soviet Airborne Forces that came under Russian control following the dissolution of the Soviet Union d1af41e652

== History == d1af41e652

Airborne Surveillance Platform The Centre for Airborne Systems (CABS) was set up in February 1991, under Dr K. Ramchand to act as a systems house and integration agency The Airborne Surveillance Platform (ASP) is an Indian defence project initiated by the Defence Research and Development Organisation (DRDO) with the aim to produce an Airborne Early Warning System. in November 1990. After four years of inactivity, the project was revived in 2004 with a new platform and radar. The project was cancelled in 1999 after the prototype aircraft crashed, killing eight scientists and the aircrew. Two prototypes were developed and flight tested for three years d1af41e652

Selex ES's activities had been organised in three Divisions within the sector: Airborne & Space Systems, Land and Naval Defence Electronics and Security and Information Systems. d1af41e652 Troops of the Russian Airborne Forces have traditionally worn a blue beret and blue-striped telnnyashka undershirt and are called desant (Russian: Десант), from the French Descente. d1af41e652 The DRDO AEW&CS programme, worth ₹1,800 crore (equivalent to ₹50 billion or US\$520 million in 2023), aims to deliver three radar-equipped surveillance aircraft to the Indian Air Force. The aircraft platform selected was the Embraer EMB-145I... d1af41e652 == History == d1af41e652 LADS Flight conducted its last sortie on 7 November 2019. d1af41e652 Current Awareness in Biological Sciences d1af41e652 == Development == d1af41e652

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