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Aircraft training aids (simulators) are designed for classroom and practical training of flight and maintenance personnel, as well as for improving tactical skills and aircrew cooperation in all instruction and combat training phases.

The main tasks practiced on training simulators:

- primary training and refreshment of piloting skills;
- emergency and hardware failure procedure training;
- solving navigational problems;
- flying in adverse weather conditions;
- training in using aerial weapons.

Depending on tasks at hand, the training aids are divided into:

- computer-based training (CBT) facilities for flight and maintenance personnel (classroom training);
- cockpit procedure trainers for honing skills required to operate aircraft systems and equipment;
- part task trainers (flight trainers, trainers for practicing the use of weapons against ground and air targets, etc);
- full flight simulators (crew training in normal and emergency situations in all flight phases).

Trainers provide a realistic simulation in all flight conditions and make it possible to imitate any real-world landscapes of the Earth's surface and objects on the basis of digital maps and aerial photography data.

The use of aircraft trainers reduces the accident rate, improves flight safety and increases the effectiveness of using planes and helicopters in combat missions.

In addition, the trainers save flying life, spare parts, fuel, ammunition and training costs.

Cockpit of a full flight simulator for Su-30-type aircraft

Cockpit of a flight trainer for Yak-130 aircraft

Typical trainer instructor station

Visualization system on a hemispherical screen

Motion system for a simulator cockpit

Interactive CBT versions

Características básicas:



РОСОБОРОНЭКСПОРТ

Акционерное общество

АО «Рособоронэкспорт» – единственная в России государственная организация по экспорту всего спектра продукции, услуг и технологий военного и двойного назначения. Входит в Госкорпорацию Ростех. «Рособоронэкспорт» образован 4 ноября 2000 года и является одним из лидеров мирового рынка вооружений. На долю компании приходится более 85% экспорта российских вооружения и военной техники. «Рособоронэкспорт» взаимодействует с более чем 700 предприятиями и организациями оборонно-промышленного комплекса России. География военно-технического сотрудничества России – более 70 стран.

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