

Airport. Aerodrome.

1. Read and translate the text using the vocabulary below:

According to the ICAO documents, an aerodrome and an airport is the **same**. In Russia an aerodrome is just an airfield, but an airport **includes** an aerodrome and its buildings and **facilities**.

The main part of the airfield is its runway or runways. The number of runways **depends on** traffic intensity. The **length and width** of the RW depend on types of aircraft served.

The runway is built according to wind information for the aerodrome location.

Runways are generally numbered according to their magnetic heading.

Aerodromes are provided with radio and **lighting** facilities. At international airports all runways must have ground markings and standardized lighting according to international standards. The **threshold**, direction of a runway and the **touchdown** zone should be clearly marked. The centre line and the runway exits leading to taxiways should be clearly **visible**.

Standardized lighting is as follows:

- Green threshold lights mark the beginning of a runway.
- Red lights mark the end of a runway.
- White or yellow lights mark **the edges** of a runway.
- Blue lights indicate taxiways.

Taxiways are very important for aerodrome operations. They **connect** runways with parking, **maintenance** and **fuelling** areas of the aerodrome. There are holding position marks at the **intersections** of taxiways with runways. They are used to show the end of taxiways at runways or "hold short" position.

Every RW, TW, and stand has got PCN (Pavement Classification Number) which depends on the width and the type of the pavement and surface. Respectively, every aircraft is given a definite ACN (Aircraft Classification Number). Thus, an aircraft is allowed for landing only if its ACN does not exceed the RW PCN.

At any international airport there is a number of services such as Security service, Passport control service, Immigration service, Customs control, weather observation and forecasting service, Search and rescue service, emergency services including fire brigade, special **vehicles** and **equipment**.

RUNWAY LIGHTING

The system of day markers includes threshold marking, runway centerline markings, touchdown zone marking, and fixed distance marks.