

## Air traffic control

- The air traffic controllers organize the movement of aircraft in the air, when landing and on the ground, using radar and radio.
- The air traffic controllers direct air traffic within assigned [ə'saɪnd] air space and control moving aircraft and service vehicles at airports. Their aim is to prevent collisions between aircraft and between aircraft and obstacles in the traffic area.
- This is a busy position that requires total concentration.
- The air traffic controllers analyze information such as weather conditions, load and fuel capacities [kə'pæsɪtɪ] - объемы.
- The air traffic controllers monitor flights in progress, communicate with pilots and direct pilots and ground crews.

[ə'saɪnd] - назначенный, заданный

[kə'pæsɪtɪ] - объемы

## Skills and Abilities

### Every controller should have:

- good organizational skills;
- fast judgments and responses;
- ability to concentrate;
- good communication skills;
- computer and technological skills;
- leadership skills;
- ability to learn a language;
- good health, hearing and vision

### \* The ATC's Duties: *are to*

- Control flow of air traffic within assigned airspace; *using radio, monitors, radar and communication.*
- Issue aircraft takeoff and landing instructions and other information to pilots;
- Maintain radio and telephone contact with adjacent units;
- Delay or cancel flights if conditions are dangerous;
- Alert airport emergency services in case of emergency;
- Direct activities of all aircraft and vehicles on the ground;
- Monitor progress of flight and communicate with aircraft during flight.

*The main purpose of my job  
(use as)*

separation - отчуждение

allocate  
разделять

## Controller's Responsibilities

There are not many professions in which sense of responsibility for the lives of others is so necessary, as in the work of the air traffic controller.

He or she must remember identifications, position, types of aircraft, speeds, levels, restrictions and other data that permanently change. Controllers have to think, make decisions and act very quickly.

All traffic controllers are responsible for providing necessary separation of aircraft in accordance with flight rules.

They allocate different levels to aircraft or arrange certain longitudinal, lateral or vertical distances between them.

Traffic within each sector is handled by two controllers.

The radar display shows airways, radio beacons, navigation aids, danger and restricted areas, sector boundaries and aircraft blips.

The controller's first concern is safety that is the prevention of collision between aircraft in the air and on ground at airports to expedite and maintain an orderly flow of air traffic, to provide information useful for the safe efficient management of flight and to form the appropriate organization about aircraft needing search and rescue.

He is engaged in reading  
Он занят чтением.

He engaged in conversation.  
Он вёл разговор.

The line is engaged - линия занята

... ..

He is engaged in this venture - он вёл эту предпринимательскую деятельность

He engaged in this venture - он вёл эту предпринимательскую деятельность

... ..

## ATC DUTIES

of em mopep  
Air traffic controllers ensure a safe and orderly flow of air traffic. Air traffic controllers:

- keep radio contact with pilots
- coordinate the arrival and departure of aircraft
- <sup>blu jar</sup> issue landing and take-off instructions to pilots
- <sup>obv keme</sup> monitor and direct the movement of aircraft, using radar equipment
- <sup>no pemeas</sup> authorize flight path changes
- provide weather updates to pilots
- <sup>on the air</sup> alert emergency services if required

<sup>bowen</sup> **Tower controllers** direct the movement of planes on the runways, taxiways and apron. They check flight plans, give pilots clearance for take-off or landing. <sup>refeary</sup>

<sup>such kerna nageya</sup> **Radar and approach controllers** are responsible for safe intervals between planes flying within the airport's airspace. This airspace is normally 50-100 km radius around the main airport. These controllers' primary responsibility is to manage the aircraft coming in and out of the airport. They <sup>sequence</sup> sequence the arriving and departing aircraft, guide aircraft during take-off and landing, and use radar equipment to observe flight paths.

<sup>gum no mapupity</sup> **En-route controllers** <sup>on the</sup> monitor airplanes once they leave the airport's airspace. <sup>zone</sup> Area controllers are responsible for the en-route stage of flight. They manage the flow of air traffic and ensure safe separation between aircraft.

**I handle/manage/control**..... transit aircraft

**I deal with**..... VFR and IFR aircraft

**I am responsible for**..... safe separation/providing safe separation

**My job involves**..... coordination with other units/coordinating with other units

**My duties include**..... informing pilots about weather

- .... pass instructions to pilots
- .... control passing compulsory points
- .... give pilots climb and descent clearances
- .... monitor/observe all ground movements
- .... provide flight safety in the upper airspace/ in the lower airspace
- .... warn pilots about adverse weather and restrictions
- .... assist pilots in emergencies and bad weather conditions
- .... recommend/suggest alternates if necessary
- .... coordinate flight information with adjacent units and militaries

1. **Speak about your direct responsibilities and procedures you provide at work.**
2. **Do you have any new procedures? How have they changed your job?**



## Air Traffic Controller's Skills

It is not difficult to be an Air Traffic Controller, but this job requires a lot of special skills, which are very important.

- ✚ Let's begin with general intelligence.
- ✚ The next is good memory and abstract imagination. The controller can't see and observe all the traffic in his area. He keeps the picture in his mind and must be able to develop the air situation correctly and quickly.
- ✚ Good attention is another requirement. The controller works for a long period of time. It is very necessary to be attentive especially in intensive activity of traffic.
- ✚ Perception is needed to receive and react to pilot's information.
- ✚ The controller has to be communicative. He receives, sends information, gives instructions despite the difficulties with the foreign language and radio noise.
- ✚ In non-standard situations the controller must be able to solve problems and make decisions. In my opinion it is the most important for me because I'm responsible for safety.

eyesight - зрение (аудиовизуальное)  
hearing - слух (аудио)