

OPERATIONAL PROBLEMS

basic/central/main/common/typicalproblem

little/minor/light.....problem

serious/major/greatproblem

problems*arise/ occur/exist*

to have/to experience/to face/to confront a problem with

to pose/to presenta problem for.....

to bring/to cause/to createproblems

to deal with/to solve/to resolve..... problems

because because

Air traffic controllers deal with different operating problems. Most of the problems arise in case of military operations, hazardous weather conditions, or traffic congestion in the area.

<p>Military operations</p> <p><i>by</i></p>	<p>Military operations in the area <i>may cause some difficulties</i>. Military operations are activities such as military training flights, test flights or shooting. Militaries can impose temporary restrictions due to activities; they can close some airspace, levels or airways. So ATC must inform pilots about restricted areas, coordinate any rerouting with the military unit and render navigational assistance to pilots if required.</p>
<p>Hazardous weather</p>	<p>Adverse weather <i>may bring some problems</i>. Thunderstorms, heavy precipitations, strong wind can close airports, cause diversion or deviation from the planned route and lead to extra coordination with adjacent sectors. It is <i>a major problem</i> in summer and winter.</p>
<p>Traffic congestion</p> <p><i>Choppy, bumpy, slow</i></p>	<p>Another <i>problem which can arise</i> is very intensive traffic, especially in summer time. Also there are some peak hours when the traffic volume is high, it is usually early in the morning. Besides some hot spots in the area <i>present a problem</i>, for example, intersections of several airways. They increase ATC workload, strain and pressure significantly. In case of traffic congestion ATC have to regulate air flow by sequencing, holding and adjusting air speed of aircraft.</p>
<p>Equipment problems</p>	<p>Normally ATC equipment <i>does not cause any problems</i>. But in case of equipment failure or malfunction, there are back up systems to continue operations. Apart from this, engineers are responsible for solving the problem with equipment, for checking and repairing it. Sometimes ATC <i>may experience some minor difficulties with</i> radio telephony communication. They are mostly distortions or interferences on a primary frequency. In such situations ATC have to change the frequency and notify all concerned: pilots, the supervisor, and engineering staff.</p>
<p>Other problems</p> <p><i>was upon</i></p>	<p>At some airports natural obstacles, flocks of birds in the vicinity <i>can create some difficulties</i>. They require additional attention and can lead to missed approach or aborted take-off. So ATC must warn pilots about the hazard and provide a safe landing or departure.</p>

1. What are the most common problems of your operating area?
2. What should you do in case of military operations/ hazardous weather/ intensive traffic/ equipment problems/ flocks of birds in your area?