



## Aerodrome Design, Planning and Maintenance

<i>Course Title</i>	Aerodrome Design, Planning and Maintenance
<i>Course Duration</i>	02 Weeks (10 Working days)
<i>Course Language</i>	English
<i>Course Objectives</i>	<p>At the end of course participants will be able to:</p> <ul style="list-style-type: none"><li>• Define the documents used and recognize the course structure.</li><li>• Estimate the geometric design characteristics of an airport including taxiways, aprons and runways.</li><li>• Estimate if man-made and natural objects constitute obstacles to navigation in the vicinity of an airport.</li><li>• Reach the level of the basic procedures, and planning skills of Airfield Markings and Signage.</li><li>• Demonstrate familiarization with airfield ground lighting systems, and differentiate between approach lighting systems.</li><li>• Identify the requirements of maintenance to hold an (Airport Certificate), to apply and meet regulators requirements.</li><li>• Recognize safety management concepts and ICAO Standards and Recommended Practices (SARPs) on safety management in ICAO annexes and related guidance materials.</li><li>• Use OLS Software to evaluate obstacles.</li></ul>
<i>Prerequisite</i>	<ul style="list-style-type: none"><li>• Master the oral and written expression of the language of instruction of the course</li><li>• Participants should have knowledge of airport layout, operations and facilities.</li></ul>



*Target Population*

- Airport Managers
- Airport Emergency Directors
- Airport Operation Directors
- Airport Safety Managers

*Course References*

- Annex 14 (Volume 1 – Aerodromes)
- ICAO Documents: 9137, 9157 and 9426.

*Evaluation*

- Attendance 10%
- Active participation 10%
- Quiz 40%
- Final Test 40%

*Pass Mark*

- 70%

