

## **ATSEP QUALIFICATION TRAINING ILS/DME COURSE**

This Course introduces an advanced technical information about Instrument Landing System ILS used for precision approach in airports, modulation theory, antenna feeding, generation of radiation pattern, and practical types of equipment and categories.

### **Course duration**

(1 week -5 working day -30 Hours).

### **Target audience:**

ATSEP learners which have successfully completed ATSEP Basic Training Course or existing but not trained (in this given field) ATSEP.

### **Language:**

The course is provided either in Arabic or English Language.

### **Module Structure:**

- ILS/DME's equipment position and coverage
- Modulation theory.
- Localizer theory and radiation pattern.
- Antenna array elements position and feeding
- Localizer block diagram.
- Glide Path theory and radiation pattern.
- Glide Path block diagram.
- Ground and flight checks.
- Critical, sensitive areas.
- Marker Beacons Theory
- DME Theory
- Mode of operations and pulse shape.
- DME radiation pattern and block diagram.
- ICAO recommendation to keep ILS accurate.

**Course price / trainee: 750 \$**