Train air Radar Control (Approach/Area) - Combined

Course Objectives (Aims)

This course, following by a minimum of one (1) month (subject to the conditions prescribed by Jordan Civil Aviation regulation (JCAR) practical experience working under the supervision of an appropriately rated radar controller will train air traffic controllers who have already successfully completed courses in both Approach and Area Procedural (non-radar) to Execute Radar Control of air traffic within an Approach and /or Area Radar sector to the standard required by the concerned licensing Authority.

On completion of the course, the Trainee will be able to:

- Explain the principles of operation of primary and secondary surveillance Radar (SSR) systems.
- Describe the factors which may affect the performance of primary and Secondary Surveillance Radar System.
- Describe the methods of displaying SSR derived information.
- Operate radar equipment in accordance to ATC MATC 2 Sect. 5.
- Update and maintain a traffic display to the required standard of accuracy.
- Identify radar targets using radar display in accordance with published procedures.
- Apply standard phraseology pertaining to radar control.
- Vector aircraft within radar control sector.
- Maintain the prescribed radar and/or non-radar separation.
- Sequence and maintain a safe, orderly and expeditions flow of air traffic.
- Monitor known air traffic to provide aircraft concerned with information or advice relative to any significant deviations from their ATC clearances.
- Carry out transfer of radar identity/control including coordination with Aerodrome-Approach-Area control. Adjacent ACCs/sectors or other ATC units in accordance to published procedures.
- Take appropriate action in the event of a miss-approach aircraft, diversion aircraft, radio communication failure, radar equipment failure and emergency aircraft.

Course Main Topics (Contents)

The course is made up of eleven (11) modules such having an end of module objective which is attainable by a series of learning steps. At the end of each module the trainee shall be tested to see if he/she has mastered the objective.

Course Duration
- 8 Week

Minimum Number of Trainees
- 6 – 12 trainees

Pre-Requisites
- Good command of English Language is essential to enable participants to communicate effectively in a group environment, prepare written assignments and make oral presentation

The trainee should have successfully completed course in:
- Approach and area procedural (non-radar) course.
- the trainees should have command of the language of instructions