### Exercise Airfield Watch

* + 1. **Time.** 2 x 40 minute periods
    2. **Personnel.** 
       1. *Cadets.* A minimum of three cadets are needed – if there are six or more, split into teams using separate channels but viewing the same projection (this allows for a competitive element).
       2. *DS.* At least one CFAV or Cdt SNCO to act as exercise controller (EXCON); as this can be a complex exercise additional DS may be useful.
    3. **References.** Nil
    4. **Dress.** Uniform of the day – if a ‘realistic’ observation post is being used for the exercise then No 3 dress is to be worn
    5. **Stores.**

|  |  |
| --- | --- |
| * + - 1. Computer and projector, to [show the aircraft being ‘reconnoitred’](https://aircadetcentral.net/ACCDrive/TRAINING/1st%20Class/CONSOLIDATION%20EXERCISES/Exercise%20Airfield%20Watch%20Recce.pptx) | *1* |
| * + - 1. Radios | *2 per team, plus 1 for EXCON* |
| * + - 1. Whiteboard and pen | *1 per team* |
| * + - 1. Copies of the aircraft recognition features guide | *2 per team (small copies for OP)* |
| * + - 1. Authentication sheet | *2 per team* |
| * + - 1. Computer to show the RAF website ([www.raf.mod.uk/aircraft](http://www.raf.mod.uk/aircraft)) | *1 per team* |
| * + - 1. Stores to create an ‘observation post’ (optional) | *1 per team* |
| * + - 1. Torch | *1 per team* |
| * + - 1. Cadets are to carry notepads and pens |  |

* + 1. **Preparation.** 
       1. Erect OP if used
       2. Set up computer and projection, leave on first screen (view of empty airfield)
       3. Set up HQ PC, leave on RAF website
       4. Check operation of radios
       5. Check other stores
       6. Assign cadets to teams as required
    2. **Revision.** Basic radio procedures, including authentication

#### Brief

* + 1. ***Objectives*.**
       1. Increase familiarity with RAF aircraft
       2. Practise verbal description of aircraft
       3. Practise use of radio procedures, including RSVP and SAD.
    2. ***Situation*.**
       1. You are at an enemy airfield which has captured aircraft parked up around the perimeter.
       2. You are equipped with sufficient camouflage and concealment to ensure you are not noticed.
       3. You have some high powered binoculars and a radio.
    3. ***Mission*.** You are to identify the aircraft types operating from the airbase in order to gather intelligence.
    4. ***Execution.***
       1. *Concept of operations.*
          1. The observers are to radio back descriptions of the aircraft parked on the perimeter to the controller. The aircraft are not familiar to you. (For exercise purposes), thus they may not be identified by name by anyone other than the analysts.
          2. As there may be a limited time to view the aircraft, ensure that you note down details of the aircraft as soon as possible before transmitting.
          3. The controller will then mark up the status board with your descriptions and try to draw the aircraft for the team of expert defence analysts who will then identify the aircraft and estimate the enemy capability and threat level.
       2. *Task organisation.*
          1. *OP.* Cadets acting as airfield observers
          2. *HQ:*

Cadets acting as controllers

Cadets acting as defence analysts.

Teams will rotate to experience different roles and learn from each other.

* + - 1. *Administration and logistics*.
         1. OP

Aircraft features guide

Notepad and pen

Torch

Radio

* + - * 1. HQ

Whiteboard and pens

PC to show RAF website

Aircraft features guide

Radio

* + - 1. *Command and signal.* 
         1. Whichever cadet is acting as net controller is also in charge of the exercise.
         2. Radios are to be set to \_\_\_\_\_\_\_\_\_\_
         3. Standard squadron callsigns are to be used, appended as follows:

Excon SUNRAY

Observer FOXHOUND

Controller ACORN

* + 1. ***Tips.***
       1. Don’t rush the exercise.
       2. Take your time – speed, accuracy and discipline are important.
       3. Remember you don’t want to give away concealment by making too much noise or risk an aircraft leaving on a mission before you have reported the aircraft to the defence analyst cell.
    2. **Conduct*.***
       1. Appoint personnel and disperse appropriately
       2. Establish communications
       3. Authenticate (example chart at Appendix 1 to Annex A to Chapter 3)
       4. Analysts to interpret information and suggest possible aircraft identification.
       5. *Startex.* The Exercise controller will announce by radio that the exercise is starting and that the frequency will be in use until further notice.
       6. *Night-time.*  During the presentation, the slides change from day to night, the lights are to be turned off in the OP at this time (cadets use the torch to take and read notes).
       7. *Endex.* The Exercise controller will announce endex in person or by radio. Endex will be transmitted by radio announcing that the use of the frequency is ended.
    3. **Note.** Although 12 aircraft are provided on the slides, the exercise should not be rushed to get through them all.

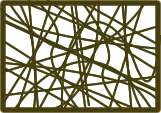
#### Sample exercise traffic

| Ser.  (a) | Role  (b) | Example  (c) |
| --- | --- | --- |
|  | Aircraft Watcher | Aircraft One Transport Aircraft. Round fuselage. Refuelling probe extending above front cockpit. OK so far OVER |
|  | Controller | Roger so far OVER.  (or SAY AGAIN, etc) |
|  | Aircraft Watcher | Aircraft One continues. High wing horizontal to fuselage with four propeller engines mounted in pods underneath wing. Large rudder with low mounted tail unit. OK so far OVER. |
|  | Controller | Roger so far OVER. |
|  | Aircraft Watcher | Aircraft One continues. Undercarriage mounted in mid-section blisters. Open loading ramp at rear. Vehicles being loaded. Description completed at TIME HHMM. Request aircraft identification OVER. |
|  | Controller | Response options include…  … confirm description of tail fin is….. etc etc. Over  …request description of undercarriage OVER.  ….ROGER WAIT OUT.  May request information if want to identify specific Mark of the aircraft. |
|  | Watcher | Responds to requests (if any) |
|  | Controller | Aircraft identification is …. OVER |
|  | Watcher | ROGER OUT. |

#### Example exercise layout

Whiteboard

Projection screen



Computer

**Annex A to Ex AIRFIELD WATCH**

### Aircraft recognition features

#### WINGS - PLANFORM

|  |  |
| --- | --- |
|  |  |
| ***Delta-wing***  ***(no horizontal stabiliser)*** | ***Canard***  ***(Foreplane)*** |
|  |  |
| ***Swept wings*** | ***Straight wings*** |
|  |  |
| ***Variable geometry*** | ***Flying wing*** |

#### WINGS - FRONT ELEVATION

***Anhedral***

***Dihedral***

***High-wing***

***Mid-wing***

***Low-wing***

#### EMPENNAGE (TAIL)

***Conventional Tail***

***T-tail***

#### FEATURES

***Winglets***

***Sponsons***

#### ENGINE MOUNTING

***Nacelle***

***Fuselage***

***Internal***

***In-wing***