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# VIRTUAL EUROPEAN AIR OPERATIONS

## What is VEAO?

The purpose of VEAO is to simulate real world air-to-air and air-to-ground conflicts using the LockOn Flaming Cliffs flight simulation software.

VEAO consists of a virtual Air Combat Training School (ACTS) and a virtual Air Combat Wing simulating Typhoon squadrons from the Royal Air Force using the Internet.

Elementary Flying Training is carried out in a BAE Hawk T.1A two seat trainer aircraft.

Once the trainee has passed EFT, they will progress onto the Fast Jet stream in the Typhoon.

Once they graduate from the ACTS, they will be assigned to a virtual squadron flying combat missions in the VEAO simulated world or may wish to apply to join the Virtual Red Arrows team.

# AIR COMBAT TRAINING SCHOOL

## **What is ACTS?**

The Air Combat Training School simulates the Fast Jet Training programme from the Royal Air Force.

The ACTS will have a designated squadron number 228(v) which will simulate a real life training squadron.

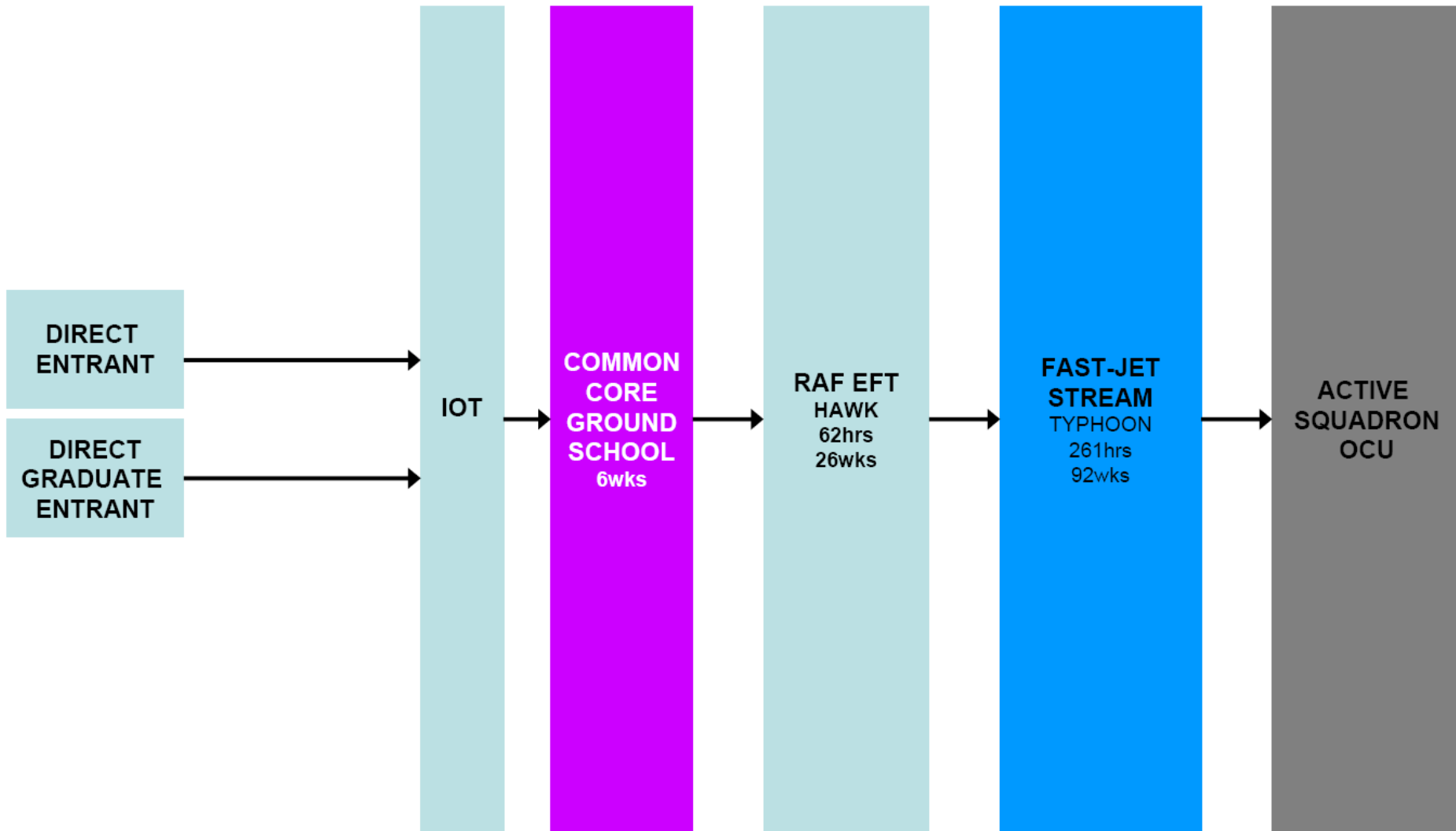
After Ground School, the Fighter Pilot Trainee (FPT) will move through the pipeline as indicated below.

Two airframes will be used initially – Hawk T1.A trainer and Eurofighter Typhoon. More airframes will be available at a later date.

Once the FPT has graduated the Fast Jet stream, they will be assigned to a virtual front line squadron simulating air to air and air to ground combat.

Instructor Pilots (IP) will train the Fighter Pilot Trainee (FPT) throughout the Fast Jet Stream and the IPs will be recruited by the VEAO Operations Team based on flight experience (real life and simulator), personality, ability to teach flying and a willingness to be part of the ACTS.

# AIR COMBAT TRAINING SCHOOL



Times stated as indication only

# AIR COMBAT TRAINING SCHOOL

## Entry into ACTS

Entry into ACTS will be evaluated by a series of tests.

The first of these will be to fly the Royal Air Force Typhoon Challenge as featured at Waddington Air Show 2009.

A dedicated Internet simulator will be available for this process.

The entrant will register at a designated web site which will allocate a time slot for the first combat test and the details of how to compete.

A download version of the simulator will be available on a time limited basis.

After a specific time the software will not be available to use unless an unlock code has been entered. This code will be given once the entrance tests are complete and the entrant is accepted into ACTS.



# AIR COMBAT TRAINING SCHOOL

## **ACTS Entrance Tests**

- RAF Typhoon Challenge with increasing levels of difficulty (against computer).
- Typhoon Challenge with live head to head (against human opponent).
- Basic EFT flights - take off, patterns, waypoint navigation and landing.

*All above flight recordings will be submitted to a log book for review by instructor*

- Instructor lead flying to assess aptitude, willingness to learn and flying ability (IOT)

Once entry has been granted, the FPT will be registered onto the ACTS programme with access to training material, full log book, mission lessons and guidance from instructors.

All material will be on a timed, password basis so as not to be passed onto others.

# AIR COMBAT TRAINING SCHOOL

## **ACTS Graduation**

Graduation will occur when the FPT has passed all written and flight exams and sufficient grades have been met on flight evaluations.

The FPT will then be assigned as a Pilot to a virtual front line squadron to simulate Real world conflicts.



# AIR COMBAT TRAINING SCHOOL

## Virtual Red Arrows

If they wish, the pilot may apply to join the Virtual Red Arrows team to fly aerobatic demonstrations at live Internet streamed events.

Pilots who have completed the ACTS Programme are more likely to gain entry to the team than outside applicants.



# VIRTUAL EUROPEAN AIR OPERATIONS

## **VEAO World**

BAE Hawk T1.A Trainer

Eurofighter Typhoon (with air-to-air and air-to-ground weapons)

Military Aircraft - Friendly and Enemy

Support Aircraft – Tankers and Transport

Ground Vehicles – Coalition and Enemy

Buildings – Air Fields, FOB's and Enemy Compounds

Terrain - Afghanistan desert and Western terrain

Staff – Operational Team, Developers, Instructors and Administrators

# VIRTUAL EUROPEAN AIR OPERATIONS



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**IOT – Initial Officer Training**

**EFT – Elementary Flying Training**

**BFJT – Basic Fast Jet Training**

**WINGS – Formation Flying Training**

**AFJT - Advanced Fast Jet Training**

**TWU – Tactical Weapons Unit**

**OCU - Operational Conversion Unit - *Aircraft-specific operational and tactical training***