

Training Manual

388th Fighter Squadron

Training Manual

132nd Virtual Wing

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Training Manual

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# **INTRODUCTION**

**Scope**: The Training Manual is a supplement to the 132nd wing Standard Operating Procedures (SOP), Tactics, Techniques and Procedures (TTP) and other documents such as the range orders and airfield charts, which are common to all squadrons and air frames, and the 388th SOP and kneeboard pack, which is specific to the 388th and the F-16C.

The Training Manual provides information, context and detail that are not found in the above documents, such as *how* to actually perform a tactical turn or set up the datalink correctly. It follows the Training Programme step by step, and you as a pilot should read and refer to it as you go through the programme.

This should also save you from having to research a lot of material on your own, as we have already compiled this document with information about how to perform most tasks in the jet, and within the flight, all within the context of the squadron’s standard operating procedures.

Note that this document does not describe every track in the training programme. Weapons, avionics and similar that are not specific to the 132nd should be learned from other sources, such as the flight manual provided by Eagle Dynamics.

The Training Manual also sets out the *expectations* of the 132nd Virtual Wing to a pilot in the Peregrines, by providing a clear baseline for what we expect you to be able to do at each point in the training programme, and of course afterwards as a mission qualified pilot.

We hope this document will be some help in preparing you to fly with the 388th “Peregrines” Virtual Fighter Squadron.

**Pilot responsibility**: Use common sense

* SOPs describe standardised *procedures* for routine operations.
* TTP’s describe *techniques* that can be used in different situations.

Neither are substitutes for common sense and judgment, nor they represent the sum of all experience. You’ll make a few new experiences on your own, or find yourself in a situation the SOP or TTP’s do not describe. It is the pilot's responsibility to fly the aircraft safely and effectively in all circumstances, as required to accomplish the overall mission.

Weapon, sensor and avionics mechanics and operational descriptions are not covered here, nor is air and ground vehicle recognition. I.e. we won’t tell you how a radar works or what a BMP looks like, but will have an expectation that you find this hobby interesting enough to learn new things.

**Recommended changes**: Improvements and recommended changes to this SOP should be stated to the parties nominated in the Document Responsible section above.

# **INITIAL QUALIFICATION TRAINING** (IQT)

## IQT-3: 388-BAS-02: **BASIC AIRCRAFT PROCEDURES** (SQ)

## IQT-4: 388-BAS-03: **BASIC FLIGHT** (SQ)

## IQT-5: 388-BAS-04: **AIR TO AIR REFUELLING** (SQ)

## IQT-6: 388-BAS-04: **PRECISION FLIGHT** (SQ)

## IQT-7: 388-BAS-04: **THE 132ND WAY OF FLYING** (IP)

# **MISSION QUALIFICATION TRAINING** (MQT)

## MQT-1: 388-TAC-01: **FORMATION AND TURNS** (IP)

## MQT-6: 388-TAC-02: **DEFENSIVE SYSTEMS AND MANOEUVRES** (SQ)

## MQT-7: 388-TAC-03: **NIGHT OPERATIONS** (SQ)

## MQT-8: 388-TAC-04: **AWACS COMMUNICATIONS** (SQ)

## MQT-9: 388-SAT-01: **HIGH AND MEDIUM ALTITUDE DELIVERIES** (SQ)

## MQT-10: 388-SAT-02: **LOW ALTITUDE DELIVERIES** (SQ)

## MQT-11: 388-ACT-01: **ACM 1v1 WVR MANOEUVRING** (IP)

## MQT-12: 388-ACT-02: **BVR ENGAGEMENTS AND MUTUAL SUPPORT** (IP)

## MQT-13: 388-TAC-05: **MISSION QUALIFICATION TRAINING CHECKOUT** (IP)

# **CONTINUATION TRAINING** (CT)

## CT-2: 388-ACT-03: **DCA CAP** (SQ)

## CT-3: 388-ACT-04: **OCA SWEEP** (SQ)

## CT-4: 388-ACT-05: **OCA ESCORT** (SQ)

## CT-5: 388-SAT-03: **SAT FLIGHT LEAD** (SQ)

## CT-6: 388-SAT-04: **ARMED RECONNAISSANCE** (SQ)

## CT-7: 388-ACT-06: **DCA INTERCEPT** (SQ)

## CT-8: 388-SAT-05: **CLOSE AIR SUPPORT** (IP- CAS INSTRUCTOR)

## CT-9: 388-SAT-06: **SCAR** (SQ)

# **UPGRADES** (UGT)

## UGT-1: 388-SAT-07: **FLUG 2-SHIP: OPPOSED SAT** (IP)

## UGT-2: 388-ACT-07: **FLUG 4-SHIP: DCA CAP** (IP)

## UGT-3: 388-SAT-08: **FLUG 4-SHIP: OPPOSED SAT** (IP)

## UGT-4: 388-ACT-08: **MISSION COMMANDER UPGRADE: DCA CAP** (IP)

## UGT-5: 388-SAT-09: **MISSION COMMANDER UPGRADE: SAT AI** (IP)

## UGT-6: 388-SAT-10: **FORWARD AIR CONTROLLER (AIRBORNE)** (IP- CAS INSTRUCTOR)

# **CONVERSION TO TYPE TRAINING** (CTT)

CTT offers a type conversion arc from the F/A-18C Hornet to the F-16C Viper, and is only available for 494th MQT- pilots with 75+ flight hours logged with the squadron.

The 388th SOP and training programme is derived from the 494th, and both jets have a great deal of SOP- and type similarity, as well as with regard to mission types. Therefore, the CTT is designed to offer a basic conversion, focusing primarily on avionics that are specific to the F-16C.

CTT consists of:

* BAS-05 (SQ)
* AVI-03 (SQ)
* AVI-04 (SQ)
* AVI-05 (SQ)
* TAC-05 (IP)

After passing CTT, the pilot achieves MQT- status in the 388th.

# TO BE ADDED LATER

* IP
* AGGRESSOR

# **TERMS**

|  |  |
| --- | --- |
| Term | meaning |
|  |  |
|  |  |
|  |  |
| ACT | Air Combat Tactics |
| AI | Air Interdiction |
| AR | Armed Reconnaissance |
| BVR | Beyond Visual Range |
| CAP | Combat Air Patrol |
| DCA | Defensive Counter Air |
| FLUG | Flight Lead Upgrade |
| OCA | Offensive Counter Air |
| SAT | Surface Attack Tactics |
| SCAR |  |
| WVR | Within Visual Range |