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388th Training Manual

388th vFighter Squadron

Training Manual

132nd Virtual Wing

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388th Training Manual

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Contents

[1. Introduction 4](#_Toc21802207)

[2. 388th Mission types 5](#_Toc21802208)

[2.1 AR, SEAD etc 5](#_Toc21802209)

[3. Flight Planning 5](#_Toc21802210)

[3.1 Contracts 5](#_Toc21802211)

[3.2 Mission planning 5](#_Toc21802212)

[3.3 Mission briefing 5](#_Toc21802213)

[4. Initial Qualification Training (IQT) 5](#_Toc21802214)

[4.1 BAS-01: Basic Game Configuration 5](#_Toc21802215)

[4.2 BAS-02: Basic Aircraft Procedures 5](#_Toc21802216)

[4.3 BAS-03: Basic flight 5](#_Toc21802217)

[4.4 BAS-04: Air-to-Air Refuelling 5](#_Toc21802218)

[4.5 AVI-01: Systems Configuration & Management 5](#_Toc21802219)

[4.6 NAV-01: Basic Navigation 5](#_Toc21802220)

[4.7 BAS-05: Precision Flight 5](#_Toc21802221)

[4.8 COM-01: In-flight Communications (The 132nd way of flying) 5](#_Toc21802222)

[5. Basics 5](#_Toc21802223)

[5.1 Roles 5](#_Toc21802224)

[5.2 Communication 5](#_Toc21802225)

[5.3 Controlling agencies 5](#_Toc21802226)

[5.4 Airfield operations and departures 5](#_Toc21802227)

[5.5 Navigation 5](#_Toc21802228)

[5.6 Ops- checks 5](#_Toc21802229)

[5.7 Precision flight 5](#_Toc21802230)

[5.8 Formations (incl look angles, coverage etc) 5](#_Toc21802231)

[5.9 Formation changes 5](#_Toc21802232)

[5.10 Air-to-Air Refuelling 5](#_Toc21802233)

[5.11 Recoveries 5](#_Toc21802234)

[5.12 Night and bad weather 5](#_Toc21802235)

[5.13 NORDO, failures and flameout landing 5](#_Toc21802236)

[6. Combat/ weapons 5](#_Toc21802237)

[6.1 Tactical turns 5](#_Toc21802238)

[6.2 … 5](#_Toc21802239)

[7. Glossary 5](#_Toc21802240)

# 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.

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.

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

# Expectations

Hobby:

**Pilot responsibility**: Use common sense. SOPs describe standardised procedures for most circumstances, but is no substitute for common sense and judgment. It is the pilot's responsibility to fly the aircraft safely and effectively in all circumstances, as required to accomplish the overall mission.

Weapons knowledge, air and ground vehicle recognition

# Initial Qualification Training (IQT)

## BAS-01: Basic Game Configuration

## BAS-02: Basic Aircraft Procedures

## BAS-03: Basic flight

## BAS-04: Air-to-Air Refuelling

## AVI-01: Systems Configuration & Management

## NAV-01: Basic Navigation

## BAS-05: Precision Flight

## COM-01: In-flight Communications (The 132nd way of flying)

## NORDO, failures and flameout landing

# Mission Qualification Training (MQT)

## TAC-01: Tactical Formations & Turns

## NAV-02: IFR Navigation

## COM-02: Combat Communication

## NAV-03: Night Navigation

## AVI-02: Radar

## WPN-01: Guns and rockets

## WPN-02: AIM 120 AMRAAM

## WPN-03: AIM-7 Sparrow

## WPN-04: AIM-9 Sidewinder & JHMCS

## ACT-02: BVR & Mutual Support

## WPN-05: CCIP Bombing

## WPN-06: CCRP Bombing

## SAT-01: High and Medium Altitude Deliveries

## SAT-02: Low Altitude Deliveries

## AVI-03: Link-16 and IFF

## ACT-01: WVR Engagement Basics

## AVI-04: LITENING Targeting Pod

## WPN-07: Weapons and weapons employment

## TAC-07: Defensive Systems & Manoeuvres (incl. towed decoy)

## TAC-08: Night Operations

## TAC-09: MQT Checkout

# 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 in terms of mission types. Therefore, the CTT is designed to offer a basic conversion, focusing primarily on avioinics that are specific to the F-16C.

CTT consists of BAS-05, AVI-03, 04 and 05 as self-qualification, and TAC-09: MQT Checkout.

After passing CTT, the pilot achieves MQT- status.

# Continuation Training (CT)

## ACT-03: DCA CAP

## ACT-04: OCA Sweep

## ACT-05: OCA Escort

## ACT-06: DCA Intercept (QRA)

## SAT-03: SAT-01 or 02 as Flight Lead

## SAT-04: Armed Reconnaissance (AR)

## SAT-05: Close Air Support (CAS)

## SAT-06: SCAR

## SAT-07: Opposed SAT, 2-ship

## SAT-08: Opposed SAT, 4-ship

## ACT-07: Opposed DCA CAP, 4-ship

## SAT-09: 3- flight Package

## ACT-08: 3- flight DCA CAP covering 2 FAOR

## SAT-10: SEAD

# Upgrade Training (UGT)

## FLUG-01: Two-Ship Flight Lead

Requires ACT03- 05 and SAT04-07.

## FLUG-02: Four-Ship Flight Lead

Requires SAT-08 and ACT-07.

## FLUG-03: Mission Commander

Requires SAT09 and ACT08.

## SAT-11: FAC(A)

## TAC- 10: Aggressor

## TAC-11: Instructor Pilot

# Terms

|  |  |
| --- | --- |
| SAT | Surface Attack Tactics |
| ACT | Air Combat Tactics |
| FLUG | Flight Lead Upgrade |
| … |  |