

# ESCUADRÓN 303 — LANZAS DEL ALBA OPERATIONAL SYSTEMS

vPilot · RadarVATSIM · TeamSpeak 3 · JoinFS · Version 1.0 · 06 October 2026

## Purpose

This document defines the four operational systems used by ESCUADRÓN 303 for coordinated online squadron operations. It is also incorporated into the SVAF training framework.

### 1. vPilot — VATSIM connection and ATC

Primary pilot client for Microsoft Flight Simulator on VATSIM.

Used for VATSIM connection, flight-plan entry, ATC frequency selection, ATC voice/text communication and network operation.

ATC instructions and VATSIM rules always take precedence over internal mission objectives.

### 2. RadarVATSIM — situational awareness

Used to inspect airports, visible traffic, active ATC services/frequencies, METAR/QNH and the overall traffic picture.

It supports planning and awareness but does not replace the VATSIM pilot client or the aircraft radio.

### 3. TeamSpeak 3 — internal communications

Separate squadron voice network for mission coordination, crew coordination, briefings and debriefings.

It keeps internal coordination separate from VATSIM ATC communications.

### 4. JoinFS — internal visual coordination

Used to see squadron participants consistently during internal group operations, including applicable mixed-simulator situations.

Supports formation awareness and model matching/substitution.

It does not connect the pilot to VATSIM and does not replace vPilot.

## Integrated operational workflow

1) Review RadarVATSIM. 2) Prepare flight plan. 3) Connect to VATSIM with vPilot. 4) Join TeamSpeak 3. 5) Join JoinFS when required. 6) Conduct the flight with ATC on VATSIM and internal coordination on TeamSpeak 3. 7) Complete post-flight evidence and records.

## Training standard

All four systems are included in practical SVAF training for squadron operations.

The pilot demonstrates connection, correct use, communication separation, basic troubleshooting and safe operating behaviour.

Internal result: APTO / NO APTO.

## Important distinction

vPilot = VATSIM network/ATC connection.

RadarVATSIM = information and situational awareness.

TeamSpeak 3 = internal squadron voice.

JoinFS = internal shared visual/model coordination.

## Document control

Version 1.0 · 06 October 2026.