

Virtual Airline Integration Guide

Who We Are

Virtual Performance Tool (VPT) is a professional-grade aircraft performance calculator designed for the flight simulation community.

Our team consists of airline pilots, performance engineers, and aviation specialists with diverse operational backgrounds — all passionate about Aviation Performance.

Our mission:

Bring airline-level performance accuracy, logic, and operational depth to the virtual world.

What We Offer

Partnering with VPT gives your Virtual Airline access to:

- A realistic performance tool built on real manufacturer logic
- Expert guidance for performance-limited and challenging airports
- Tailored configurations matching your SOPs and operational philosophy
- Group discounts for your members
- A scalable integration aligned with professional airline practices

Our system supports realistic operations — from routine flights to high-complexity missions — with the precision of a real-world performance department.

1. VPT & Fleet Customization

Real-world performance tools are deeply customizable. Every fleet has its own identity shaped by:

- Engine and performance packages
- Weight limits and derate logic
- Minimum EO acceleration heights
- Default values and flap policies
- Brake Type
- Alternate forward CG
- Runway condition policies
- Dozens of operator-specific performance settings

VPT reproduces this same level of detail.

Using our fleet configuration file, your VA can customize:

- Structural weight limits
- Engine variants
- VPT Layout and content
- SOP-based defaults values
- Flap options
- Additional operational settings

Highly specific customizations can also be developed when required.

2. Performance Expertise

Many virtual pilots underestimate the complexity of operating in performance-limited environments, where standard configurations are insufficient.

We act as your performance department, providing:

- Airport performance analysis
- Configuration recommendations
- SOP-aligned performance policies
- Support for your pilot training
- Support for events and demanding operations
- Improved operational decision-making

3. Financial Model

Standard Integration — Free of Charge

Your Virtual Airline's integration into VPT, including discount setup and account linking, is entirely free.

This cost is supported by the expected subscription volume of your members.

3.1 Commitment Fee

To ensure dedicated applications and prevent unnecessary use of our resources, a symbolic **one-time 5€ Commitment Fee** is required to begin onboarding.

- If your VA completes the onboarding → converted into subscription time for the selected VA admin.
- If your VA abandons the process → fee is retained to cover preparation work.

3.2 Optionnal Fee

A self-service UI for fleet creation is currently in development and will allow full configuration at no cost.

Temporary Policy

Until the UI is released, all fleet creation assistance and delegation services are provided free of charge.

This ensures fairness, as VAs currently cannot configure fleets themselves.
Once the UI is available, the following applies.

Fleet Creation Delegation

Definitions :

- **Master Profile**

A fully configured aircraft type/variant (e.g., SFP versions, brake types, engine packages). Masters require the main configuration work.

- **Slave/Child Profiles**

Individual aircraft registrations created from a master.

One-Time Fee :

Once the self-service fleet creation UI is available, Virtual Airlines will be able to build and manage their fleet independently and free of charge.

This will be the standard method for all VAs and is designed to make the onboarding fast, flexible, and fully under your control.

However, we understand that some Virtual Airlines may not have the time or may simply prefer not to manage this part themselves.

For those who wish to delegate the entire fleet creation process, VPT can perform the setup for you.

Because the required work depends on the **size of your fleet**, the **number of variants**, and the **specific operational settings** you want to replicate, this service is offered as a **one-time fee evaluated on a case-by-case basis**.

If your Virtual Airline is interested in this option or would like an estimate tailored to your fleet, please contact us directly at: info@virtualperformancetool.com

This service is entirely optional — VAs can always create their fleet on their own through the UI at no cost.

4. Example of a Complex Implementation

A Brazilian Virtual Airline operating into very short airfields required one of our most advanced integrations.

Their real-world counterpart optimizes every meter of runway, and we reproduced this operational philosophy in VPT.

We implemented:

- Two-position tailskid option - *Reduces Vref for shorter landings.*
- Variable Air Distance - *Tuned to match their operational requirements.*
- Alternate Forward CG (predefined values) - *Applied for takeoff to optimize performance.*
- Alternate Forward CG for landing - *Reduces Vref further for short-field operations.*
- Optimized Engine Failure Procedure at one airport - *Developed because the previous EFP was too limiting.*

This solution was created with our performance engineering team and the manufacturer's list of options, allowing perfect accuracy at each step and closely mirroring the real airline's performance philosophy.

Such advanced cases are rare and evaluated individually.

5. How VPT Supports Your Virtual Airline

- Realistic performance tool identical in logic to what real pilots use
- Accurate performance-limited takeoff & landing weights
- Encourages proper aircraft configuration planning
- Improves decision-making through realistic constraints
- Deepens pilots' understanding of aircraft performance

6. Fair Use of the Discount Program

The group discount offered to your Virtual Airline is based on the information provided, including the estimated number of pilots expected to join VPT.

In the event of abuse, misuse, or if the number of registered pilots does not reasonably match the figures initially announced, VPT reserves the right to **adjust, reduce, or withdraw the discount** to maintain the integrity and fairness of the program.

Contact :

For questions :

info@virtualperformancetool.com

To begin integration :

<https://www.virtualperformancetool.com/form/virtual-airline-contact.html>