

# Trip Generator

## What Is the Trip Generator?

The Trip Generator allows you to automatically build a multi-leg trip based on your selected criteria.

Instead of manually searching for individual flights, the system creates a connected sequence of scheduled routes for you.

It is designed to simulate realistic daily aircraft routing.

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## How It Works

The Trip Generator builds trips using UVA's published schedules and applies operational rules to ensure:

- Each leg connects properly
- The arrival airport of one leg matches the departure airport of the next
- Minimum ground time is respected
- The final leg returns to your starting airport

The result is a complete round-trip routing.

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## Setting Your Criteria

### Trip Pairing Assignments

You currently have an active bid. To add your next assignment, manage it in My Bids first. [Go to My Bids](#)

Airline:  Departure:  Time Range:  # Flights:

How this works

Trip Progress: 3/4 legs. Fly legs in order to complete your pairing. 75% Complete

Total Planned: 6h 25m | Remaining: 1h 42m | Stops: 3 | Legs Left: 1

Up Next: Leg 4 of 4. AAL1803 - KMFE → KDFW - 01:42 - Dep 1:08 / Arr 2:50.

#### Your Assigned Flights

Next up: AAL1803 - KMFE → KDFW

- AAL1584** KDFW → KMSY. Completed. 01:24 Dep 22:24 Arr 23:48. -97 fpm. 7182.92.
- AAL2603** KMSY → KDFW. Completed. 01:47 Dep 17:20 Arr 19:07. 61 fpm. 8113.59.
- AAL2167** KDFW → KMFE. Completed. 01:32 Dep 1:58 Arr 3:30. -99 fpm. 6783.86.
- AAL1803** KMFE → KDFW. Up Next. 01:42 Dep 1:08 Arr 2:50.

#### Assignment Route Map

Route | Completed | Up Next

Hover over a leg line to view leg details.

Before generating a trip, you can define:

- Airline selection
- Aircraft or subfleet
- Departure airport
- Minimum flight time
- Maximum flight time

These filters allow you to tailor the trip to your aircraft type, available time, and operational goals.

## Sequential Routing Logic

Trips are generated using strict sequencing:

- Leg 1 departs from your chosen origin
- Leg 2 departs from Leg 1's arrival airport
- Each subsequent leg continues the chain
- Final leg returns to the starting airport

A minimum ground time buffer is enforced between legs to maintain realism.

This ensures your generated trip reflects real-world scheduling logic.

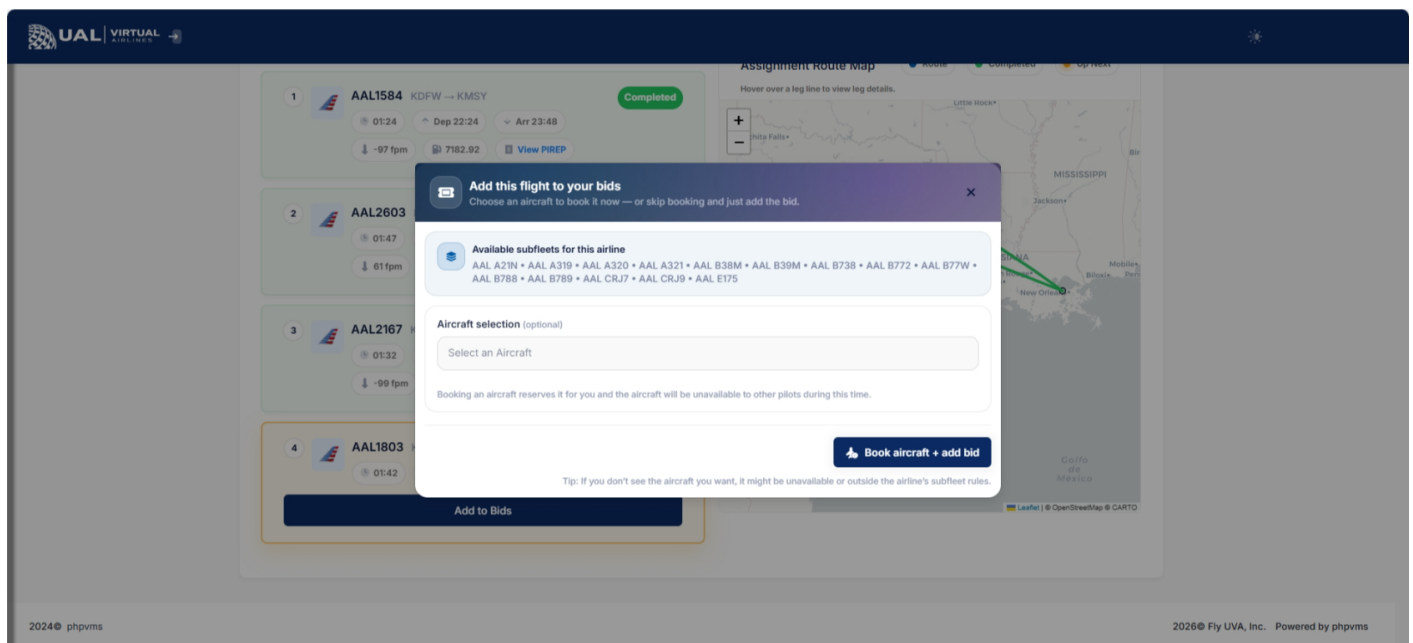
# Viewing Generated Trips

Once generated, your trip appears in a structured table showing:

- Airline
- Flight number
- Departure airport
- Arrival airport
- Departure time
- Arrival time

A route map displays the full sequence visually.

# Adding Flights to Your Bids



From the generated results, you may:

- Add individual legs to your bids
- Remove specific legs
- Add the full trip to your bids

Because UVA allows only one active bid at a time, you must complete each leg sequentially.

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## Operational Requirements

Generated trips must still comply with:

- Aircraft restrictions
- AutoPIREP grading standards
- One-active-bid policy

The Trip Generator does not override operational policies.

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## Why Use Trip Generator?

Trip Generator is ideal when you:

- Want a realistic multi-leg day of flying
- Prefer structured aircraft routing
- Want to simulate airline-style daily rotations
- Don't want to manually search each leg

It blends automation with operational realism.

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## After Completing a Leg

Once a leg is flown and accepted:

- Your bid clears
- You may proceed to the next leg in the sequence

If a PIREP enters Pending status, the trip progression pauses until resolved.

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