



InFlight Optimization Direct Routes

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Direct Routes

Boeing is offering subscription-based services to help airlines save fuel and increase environmental efficiency. InFlight Optimization Services are designed to be implemented within current air traffic and airline operating procedures using existing communication channels.

While flight planning systems identify the most optimal route prior to take off, Direct Routes ensures the continuation of that optimization during the dynamic, real-time operations of the flight. Direct Routes continuously scans real-time flight operations and automatically alerts the flight crew and the airline's operations center every time a more fuel-efficient path opens up along the intended route of flight. To increase the likelihood of air traffic controller approval and ensure that the recommended route will save fuel, the advisories are pre-checked for traffic conflicts, wind conditions, established airspace constraints, and other factors.

Airplane models

All

Geographic availability

Continental United States

Regulatory authorities

No approval required

Airplane equipage

Little to no additional equipment required

How Direct Routes works

- Continuously monitors flights in real time and delivers inputs directly to the flight deck or to an operations center

- Identifies and communicates emergent in-flight opportunities to reduce one minute or more of flight time
- Locates simple, wind-optimized direct-to-waypoint opportunities that meet air traffic control requirements
- Sends advisories to the pilot to make "smart" voice requests of the air traffic controller to request the direct-to clearance for the more efficient flight path

Direct Routes value

- 4,000 to 5,000 minutes of flight time savings per day from direct routing
- Top 20 airlines could save from 35,000 to 350,000 minutes flight time per year
- Airlines miss 40 to 70% of this value today

Price

Pricing is subscription based. Contact Boeing Flight Services for pricing information.

Boeing Commercial Airplanes

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