

# ATC Slot Optimizer

## Slot Substitution Optimization



TAKE CONTROL  
OF OPERATIONAL DISRUPTIONS



# ATC SLOT OPTIMIZER

Optimize ATC slot substitutions to minimize passenger and crew impact

Optimize slot substitutions for ATC ground delay programs, airspace flow programs, and CTOP programs

Quickly generate an optimal substitution for hundreds of flights in seconds

Real-time or plan-ahead solutions

Minimize passenger delay minutes and missed connections

Minimize crew time-out disruptions.

Considers down-line implications for aircraft, passengers, and crew

Considers high priority flights and markets, restrictions, preferences

- User-friendly, modern user interface with full editing controls
- Compare the optimized solution's metrics to the original program and further user edits
- Configure business rules, priorities, and preferences
- Prioritize flights, markets for optimal slot allocation
- Use the stand-alone interface or integrate into your existing system to submit the SS packet to ETMS

The screenshot displays the ATC Slot Optimizer software interface. The main window shows a list of flight slots with columns for Status, Slot ID, NewSlot, OldSlot, Carrier, Ft, Dep, Arr, IGTD, EDCT, CTA, Enrt, Delay, Eqp, Pax, DmCn, IntCx, Out, HP, Exe, C, Slot Hr, and Slot. A legend at the bottom identifies the status of each slot: Solution (blue), Original (orange), Feasible (green), Infeasible (red), Warnings (yellow), Fixed/Exempted (grey), Canceled (purple), and Curfew (dark grey). Below the flight list, a 'Before/After' comparison table is visible, showing metrics such as Flights, Moved Up, Moved Down, Ratio, Ft Delay, Avg Delay, Max Delay, Max Non-Exmt Dly, Pax, Pax Delay, Pax Avg Delay, DomCx Within MCT, IntCx Within MCT, Pilot Viols, and FA Viols. The interface also includes a 'Dollar Costs' section with a table comparing 'Optimizer', 'Before', and 'After' values for various cost categories like Passenger Delays, Connections, Crew Violations, Crew Warnings, Wheels Off Time, High Priority Flight, Max Delay, Total, Global Costs, Aircraft Routing Order, Market Order, and Average Passenger Delay. A 'Scenario Infeasibilities' table at the bottom right shows 'Optimizer', 'Before', and 'After' values for 'EarlierDeparture', 'FixedSlot', and 'MaxDelay'.

**800** GDPs per year

**15%** Reduction in passenger delay minutes

**25%** Improvement in passenger connections

**\$12M** Yearly Savings

# US FLIGHTS MANAGED

>18%

BY SLICKOR SYSTEMS  
FOR IROPS RECOVERY

Used daily to solve many of the biggest and most frequent ATC disrupted airports...

SFO ORD

EWR DEN

IAH LAX

IAD PHL

BOS DCA

MCO PVD

RDU BWI

ATL CLT

## Generate Passenger and Crew Friendly Solutions

- Minimize average and overall passenger delay minutes
- Minimize the impact to passenger connections
- Protect crew with legal slot substitutions

## Control the Solution with your Preferences

- Define high priority markets and flights for the best slots
- Protect VIP passengers, groups, curfews, and much more
- Protect flights from slot changes

## Quickly Solve and Review the Optimized Slot Substitutions

- Create solutions in seconds
- Review and make changes as needed
- Stand-alone or integrates into your existing system to submit the SS packet to ETMS.

Quick-to-market, leading-edge optimization solutions for airline operations





# SLICKOR Solutions

## AIRCRAFT RECOVERY OPTIMIZER

Manage complex IROPS recovery decisions

## SCHEDULE OPTIMIZER

Leverage revenue opportunities via add, swap, and consolidate flights up to the day of departure

## CANCELS OPTIMIZER

Manage large-scale flight schedule reductions

## ATC SLOT OPTIMIZER

Optimize ATC slot substitutions to minimize passenger and crew impact

## PASSENGER RECOVERY OPTIMIZER

Optimize passenger itinerary recovery during irregular operations

## GATE RECOVERY OPTIMIZER

Detect and resolve real-time gate disruptions on the day of operations

## IROPS Recovery Optimization Solutions

Aircraft • ATC • Passengers • Gates



Learn more at [www.slickor.com](http://www.slickor.com)

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