

# Irregular Operations Recovery Solutions



## TAKE CONTROL OF OPERATIONAL DISRUPTIONS

"Before [Aircraft Recovery Optimizer], United probably canceled more flights than it needed to.... The new tool identifies the best flights to cancel that will disrupt the operation the least..."

[VP Network Operations Center]

— Karp, Gary. "5 reasons United might finally be improving its on-time rate."

Chicago Tribune. 12 Nov 2015. Web.



# RECOVER FROM IROPS QUICKLY AND EFFICIENTLY

Protect your revenue, customers, and brand

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## Network Disruptions

Manage multi-hub IROPS recovery decisions

- Quickly generate optimal flight cancellation, delay, swap, and diversion options
- Solve real-time and plan-ahead disruptions
- View and solve from a disruption dashboard
- Solve by scenario-based network disruptions
- Edit the solution based on your experts' insights
- Minimize the impact to costs, customers, crews, and connections
- Improve on-time performance by getting back to normal operations sooner
- Communicate solution options with stakeholders
- Commit the solution

## Schedule Optimization

Add, swap, and consolidate flights up to the day of departure

- Leverage near-term revenue opportunities by aligning the flight schedule with passenger demand
- Add flights based on increased demand
- Swap equipment to right-size demand with seats
- Cancel/consolidate flights with low passenger load factors and other KPIs
- Repairs the flight schedule disruptions caused by such changes
- Provides spilled passenger rebooking options, as well as costs and penalties
- Adheres to all operational restrictions

## Solve disruptions with least-impact recovery solutions

“**Technology** will play a big role in **improving reliability**.... For example, [United Airlines] added **new [Aircraft Recovery Optimizer] software to better proactively cancel flights** as a storm approaches, based not only on United's flight schedule but the schedules of competitors.

**Before having that software, United probably canceled more flights than it needed to**, Lee said [Tracy Lee, VP Network Operations Center]. The new tool identifies the **best flights to cancel that will disrupt the operation the least**, he said.”

— Karp, Gary. "5 reasons United might finally be improving its on-time rate." Chicago Tribune. 12 Nov 2015. Web.

# U.S. FLIGHTS MANAGED

>18%

BY SLICKOR IROPS  
RECOVERY SOLUTIONS

## ATC Programs

Optimize ATC slot substitutions to minimize passenger and crew impact

- Optimize slot substitutions for ATC ground delay programs, airspace flow programs and CTOPS programs
- Generate an optimal slot substitution plan for hundreds of flights in seconds
- Minimize passenger delay minutes and missed connections
- Minimize crew time-out disruptions
- Considers downline implications for aircraft, passengers, and crew
- Considers high priority flights and markets, restrictions, preferences

## Passenger Disruptions

Optimize passenger itinerary recovery during irregular operations

- Detect and solve real-time passenger disruptions based on cancellations, delays & swaps
- Assess the impact of what-if cancellations, delays & swaps
- Minimize passenger delay minutes, kick-outs, and the associated costs
- Analyze detailed metrics from multiple solution options, driven by business & passenger rules
- Customized integration with your reservations system

## Gate Disruptions

Detect and resolve real-time gate disruptions

- Solve real-time gate congestion and violations before they disrupt on-time performance
- Minimize further disruptions with robust solutions that provide optimal gate rest
- Analyze, edit, communicate, commit the gate solution

Aircraft  
Recovery  
Optimizer  
**\$10M**

Gate Recovery  
Optimizer  
**\$3M**

ATC Slot  
Optimizer  
**\$12M**

Yearly savings for a large airline

# 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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