

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

800 GDPs per year

15% Reduction in passenger delay minutes

25% Improvement in passenger connections

\$12M Yearly Savings

Status	Slot ID	NewSlot	OldSlot	Carrier	Ft	Dep	Arr	IGTD	EDCT	CTA	Enrt	Delay	Egp	Pax	DomCx	IntCx	Out	HP	Exec	C	slot Hr	type	slot
●	EWR.041618A	0	0	UAL	1187	BOS	EWR	04/1504	04/1514	04/1618	01:04	00:10	19S	128	61	16		Y					
●	EWR.041626A	1	1	UAL	1090	CLE	EWR	04/1100	04/1512	04/1626	01:14	04:12	73Q	36	11	0		Y				GDP	
●	EWR.041628A	2	2	AAR	4028	YYZ	EWR	04/1500	04/1510	04/1628	01:18	00:10	XRJ	49	24	9		Y				GDP	
●	EWR.041656A	3	3	USA	4980	ROC	EWR	04/1456	04/1543	04/1656	01:13	00:47	DH2	36	2	1		Y				GDP	
●	EWR.041658A	4	4	AAR	4181	JAX	EWR	04/1441	04/1447	04/1658	02:11	00:06	LRI	49	9	1		Y				GDP	
●	EWR.041701A	5	5	USA	4980	ORF	EWR	04/1510	04/1532	04/1701	01:29	00:22	DH2	39	24	5		Y				GDP	
●	EWR.041706A	6	6	TSP	3867	ORD	EWR	04/1508	04/1525	04/1706	01:41	00:17	E70	71	6	5		Y				GDP	
●	EWR.041710A	7	7	AAR	4000	BNA	EWR	04/1505	04/1513	04/1710	01:57	00:08	RLJ	50	2	29		Y				GDP	
●	EWR.041716A	8	8	TSP	3860	PVD	EWR	04/1521	04/1629	04/1716	00:47	01:08	E70	70	66	1		Y				GDP	
●	EWR.041720A	9	9	USA	4980	BWI	EWR	04/1532	04/1638	04/1720	00:42	01:06	DH2	35	22	14		Y				GDP	
●	EWR.041721A	10	10	TSP	3860	BUF	EWR	04/1525	04/1624	04/1721	01:00	00:00	GRR	54	10	1		Y				GDP	
●	EWR.041725A	11	11	AAR	4028	MEM	EWR	04/1459	04/1506	04/1725	02:19	00:07	XRJ	51	10	1		Y				GDP	
●	EWR.041726A	12	16	AAR	4489	RIC	EWR	04/1545	04/1636	04/1726	00:50	00:51	XRJ	51	20	3		Y				GDP	
●	EWR.041730A	13	12	AAR	4000	YUL	EWR	04/1525	04/1623	04/1730	01:07	00:58	LRI	37	25	1		Y				GDP	
●	EWR.041731A	14	14	UAL	1080	TPA	EWR	04/1452	04/1515	04/1731	02:16	00:23	73V	157	28	9		Y				GDP	
●	EWR.041736A	15	17	AAR	4000	GRR	EWR	04/1516	04/1610	04/1736	01:26	00:54	XRJ	52	16	1		Y				GDP	
●	EWR.041741A	16	13	AAR	3488	ROU	EWR	04/1551	04/1635	04/1741	01:06	00:44	E7F	78	22	18		Y				GDP	
●	EWR.041745A	17	22	AAR	4489	DCA	EWR	04/1610	04/1705	04/1745	00:40	00:55	LRJ	52	13	17		Y				GDP	
●	EWR.041746A	18	21	AAR	3088	CLE	EWR	04/1547	04/1642	04/1746	01:04	00:55	E7F	53	10	8		Y				GDP	
●	EWR.041748A	19	19	UAL	1081	PBI	EWR	04/1458	04/1529	04/1748	02:19	00:31	73L	140	2	10		Y				GDP	
●	EWR.041750A	20	20	USA	4980	PWM	EWR	04/1509	04/1637	04/1750	01:13	01:28	DH2	40	1	6		Y				GDP	

Before/After	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	FA Viols
Before	249	0	0	0	245:27	01:00	04:12	02:47	22168	20921:23	00:57	1494	1187	3	0
After	249	131	67	0	233:31	00:57	04:12	02:45	22168	13850:00	00:38	3019	3213	0	0
Difference	249	131	67	0	-11:56	-00:03	00:00	-00:02	0	-7071:23	-00:19	1525	2026	-3	0

Scenario Infeasibilities	Optimizer	Before	After
EarlierDeparture	19	19	
FixedSlot	0	0	
MaxDelay	0	0	

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

Contact us at info@slickor.com or call +1.800.965.6560

©2013 SlickOR, Inc.
13785 Research Blvd, Suite 125
Austin, Texas 78750