



Benefits of pre-scheduling into the overhead stream with EOBTs (analytical focus)

Airspace Technology Demonstration 2 (ATD-2) Industry Workshop

September 4, 2019

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APprove REQuest (APREQ) for overhead stream insertion







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APREQ Compliance Window at Runway:

Two minutes earlier to one minute later

KCLT APREQ Daily Compliance (Compliance Improvement Since ATD-2 Start)

Daily APREQ Compliance



Steady increase of APREQ compliance over the life of the project. Reduced variation in compliance leading to improved predictability.



KCLT APREQ Daily Compliance (Destination KATL only)







KCLT APREQ Daily Compliance (Destination KORD only)





APREQ Compliance 10K Rolling Window



capability (AEFS integration, ZTL IDAC, pre-scheduling and scheduler updates)

























KATL APREQ: <CTOT – UTOT@PilotReady>



<CTOT – UTOT@PilotReady> improved mean and standard deviation for pre-scheduled flights into KATL



KATL APREQ: <CTOT – UTOT@PilotReady>







KATL APREQ: <CTOT – EFTT>







KATL APREQ: <CTOT – EFTT>







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KATL APREQ: <EFTT – SOBT>







KATL APREQ: <EFTT – SOBT>







Early data from pre-scheduled APREQ into KORD show encouraging results similar to pre-scheduled flights into KATL



Rescheduling APREQ before and after KATL prescheduling





Percentage of flights that reschedule for later times were similar before and after pre-scheduling into KATL



EOBT Compliance Before Pre-Scheduling Flights into KATL



Before pre-scheduling: no relationship between EOBT compliance and rescheduling APREQ time



EOBT Compliance After Pre-Scheduling Flights into KATL



After pre-scheduling: relationship between EOBT compliance and rescheduling, e.g., flights that are late with respect to EOBT reschedule more often for later times





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