



Airport - Collaborative Decision Making Pre-departure sequencing

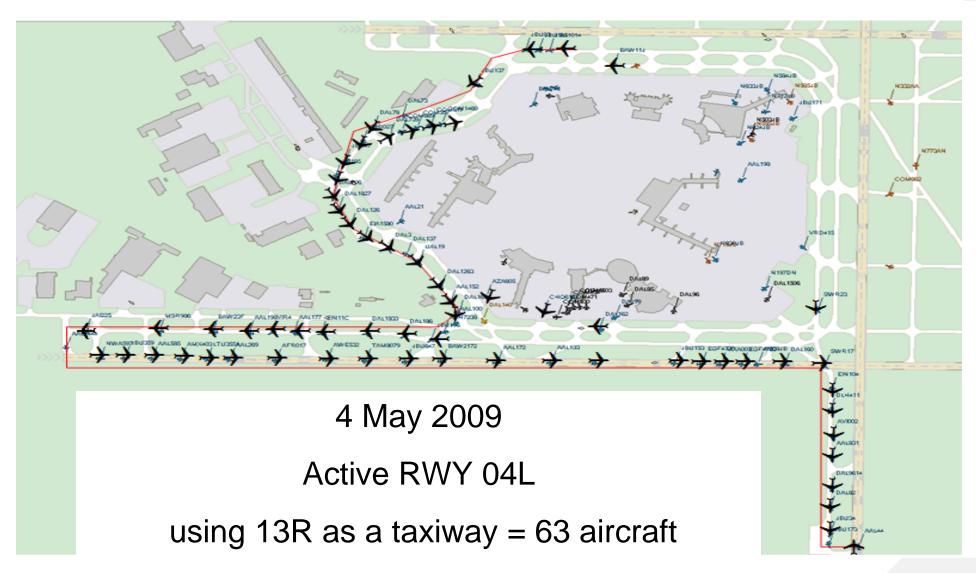
Dave Booth

A-CDM Implementation Manager



Pre-Departure Sequence?





Pre-Departure Sequencing





Pre-Departure Sequencing



TOBT - TSAT relation:

very important for the pre-departure sequence!

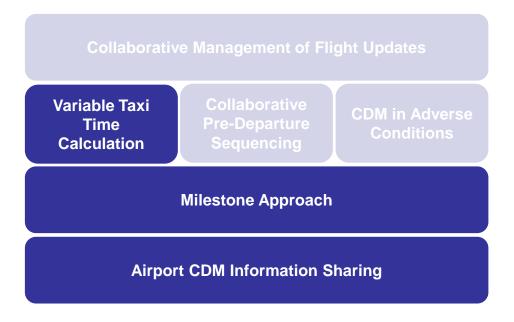
Provide an accurate TOBT (partners have to trust you)

Issued with a good TSAT (again trust)

Pre-Departure Sequencing

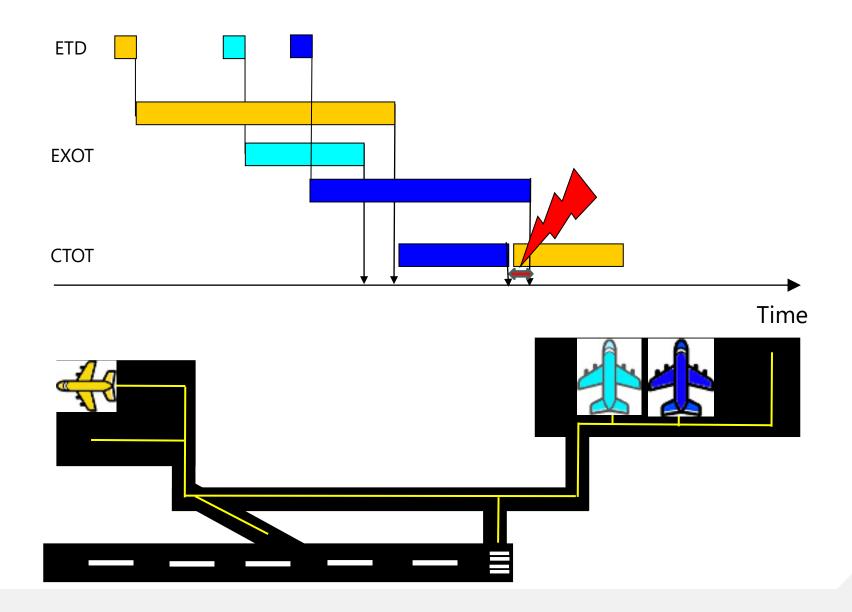


 Which A-CDM concept elements are required to implement Pre-Departure Sequencing?



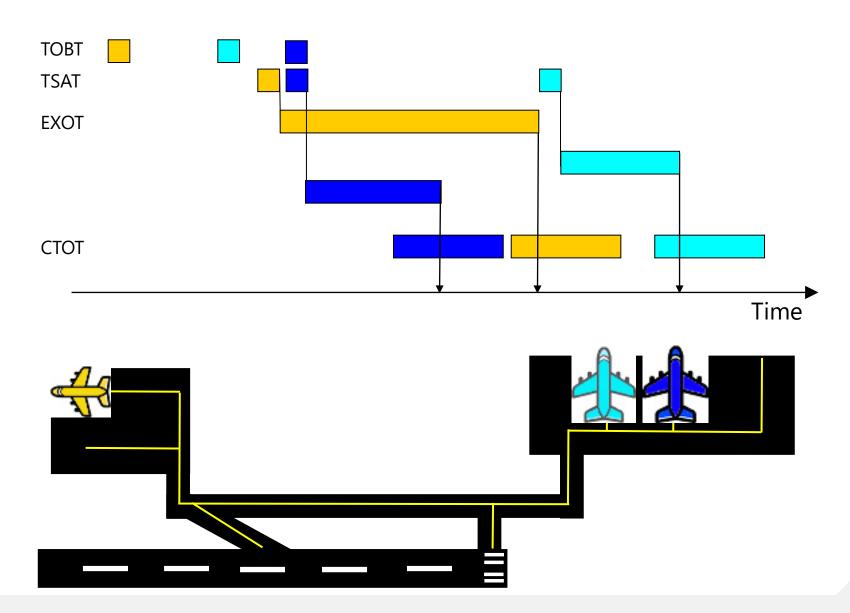
Without Pre-Departure Sequencing





With Predeparture Sequencing





PDS Algorithm

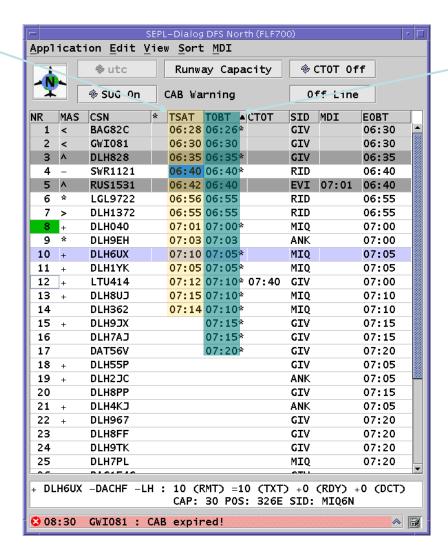


- What <u>maybe</u> taken into account?
- Flights: TOBT, a/c Type, Stand, SID, CTOT
- Assets: Runway in use, SID restrictions (MDI's), Low-Vis procedures, remote holds allocated to flights
- Rules: VTT's, Desired runway buffer hold, Stand contentions, departure separation rules on Wake turbulence SID to SID, pushback durations
- AOBT's and ATOT's feed to give the sequencer situational awareness on the predictions versus the actuals.

Munich HMI



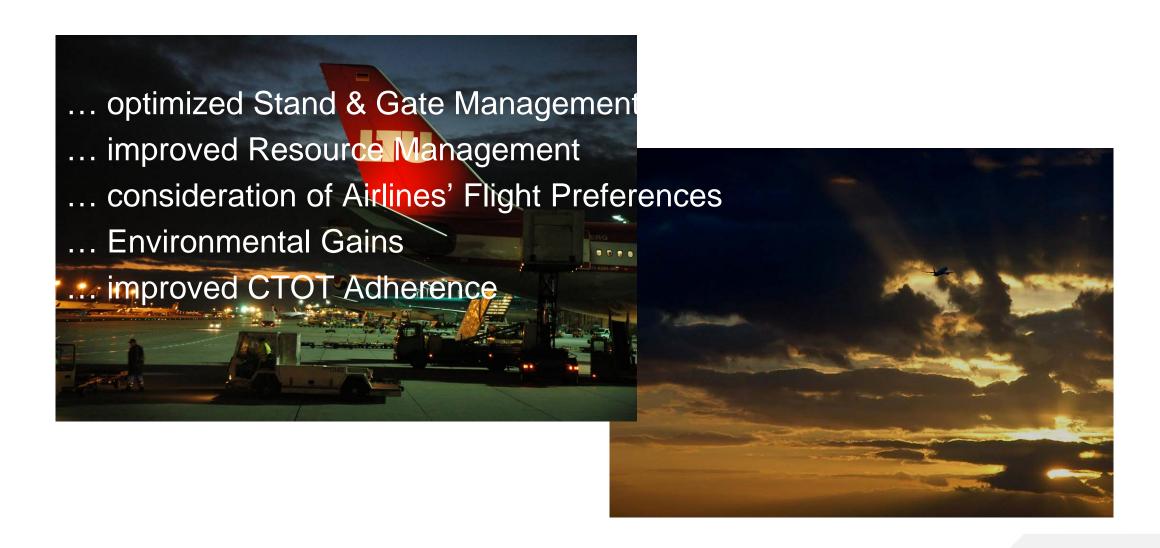
Target Startup
Approval Time



Target Off-Block Time

Pre-Departure Sequencing will lead to...







Thank you



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