



FPAW

# Segment 4 Intro:

## Storm Forecasting for Air Traffic

October 09, 2008

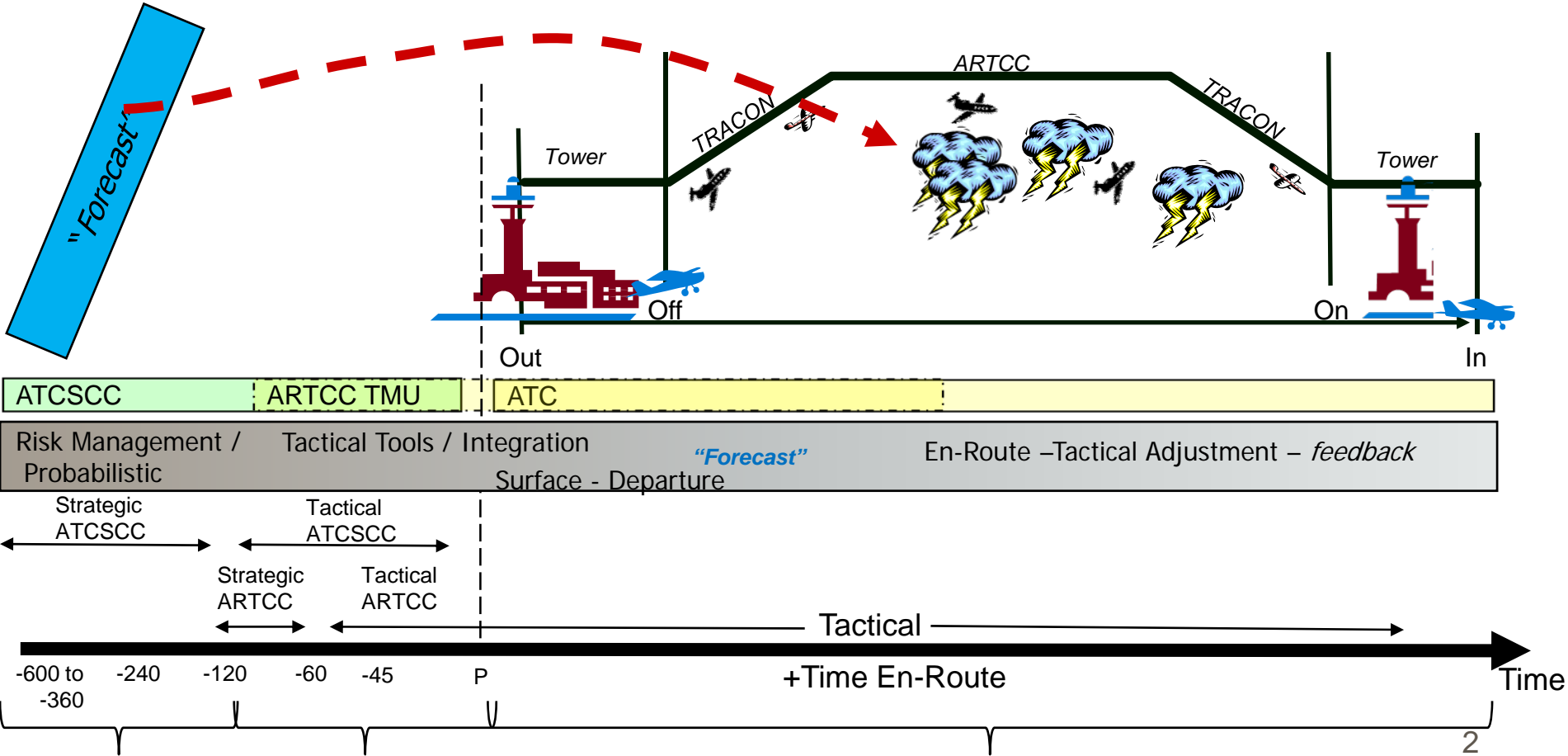


Mark Huberdeau

Decision makers will ask these types of questions based on the forecast "X" hours ahead of the expected impact.

When will the weather materialize/dissipate? What is the expected coverage? In what location?  
 What is the traffic demand at that time? How much demand will need to be moved (re-routed or delayed) to accommodate reduced capacity? Can the area be over-flown? What is the risk to today's / tomorrow's operation? And post analysis - How do we assess how well we did?

a. Merging Automation and Human-Over-The-Loop Forecast Efforts



b. TFM Risk Assessment Matrix

c. Integration with Air Traffic Management Decision Tools

d. Safety buffers around and above storms