

Minutes of the Feb. 2, 2000 telecon of the C/AFT Advanced Navigation Focus Group

Attendees: Brian Harkness, Dave Jones, Gary Lawson-Smith, Ken Simmons, Dave Nakamura, Steve Glickman, Kathleen Pirotte

Reviewed the preliminary results, identified problem areas that will be re-worked in next run of the model. Gary is working on getting data for a Sydney model to be presented at the Melbourne meeting.

Action Items.

Ken will write up an explanation of the underlying weather/delay model, and corresponding delay reduction benefit mechanism. Once this write-up is completed we will be in a better position to estimate actual benefits.

Kathleen/Steve will review the delay vs. equipage curve. We used the data link delay vs. equipage curves, but they don't accurately represent the situation with RNP in SFO. In this model the delay reduction benefits should be significant once the minimum equipage is reached. This will have a significant impact in the results of the model, and should (I think) reduce the risk.

Ken/Steve to determine how to model retired planes. Right now we have 3 ways to get equipped planes in the system: retrofit, forward fit, and retirements (leading to new forward fit airplanes), but we don't have a good number for number of airplanes retired. After the next iteration of the model we may want to consider adding another method of increasing the number of equipped planes at SFO: if benefits are high enough an airline may choose to redeploy its fleet so that equipped airplanes are flying into SFO.

Steve/Ken/Kathleen will change variable names in the model to be more easily understandable, and check all formulas for correctness.

Steve will take DOC cost out as a variable and make it a constant.

Steve to run the model under various scenarios. Remember that Stage 1 is a procedure that will achieve 1800' minimum, Stage 2 1200', and Stage 3 800'. The three scenarios are: 1) Standard airplanes ok for all 3 stages (Dave doesn't think this is realistic), 2) Advanced airplanes required for all 3 stages, 3) Standard ok for Stage 1, Advanced required for Stages 2-3 (Dave thinks this might be the most likely scenario), and 4) Standard ok for Stages 1-2, Advanced required for Stage 3.