NEXTOR CDM REVIEW UNIVERSITY OF MARYLAND SEPTEMBER 25, 2003

Faculty participants:

Michael Ball, Dave Lovell, U of Maryland

J.P. Clarke, MIT; Mark Hansen, UC Berkeley

Hanif Sherali, Toni Trani, VPISU

Other senior researchers:

Jim Evans, Lincoln Labs; Bill Hall, Draper Labs (no longer)

Wes Wilson, NCAR

Morning Schedule

8:15 – 9:00: Continental Breakfast

9:00 – 10:30

Introduction: Michael Ball

Improved Forecasts of Marine Stratus at SFO and Their Integration into CDM: Wes Wilson, NCAR, Tasha Inniss, Trinity College

A Dynamic Stochastic Model for GDP Planning: Avijit Mukherjee, UCB

10:30 – 10:45: Break

10:45 – 12:00

Enroute Resource Allocation Methods: Tony Abad, Frances Carr and Josh Marron, Draper Labs

An Update on MEANS: MIT Extensible Air Network Simulation: Terran Melconian, MIT

12:00 – 12:30: Lunch

Afternoon Schedule

12:30 – 2:00

Potential Approaches to Increase Milestone Prediction Accuracy in National Air Space Movements, Georg Theis, MIT

Aircraft Routing under Weather Uncertainty: Arnab Nilim, UCB

On Generating Trajectories in Response to Dynamic Weather Systems within an Airspace Planning and Collaborative Decision-Making Model: Hojong Baik, VPISU

A General Approach to Equity in ATM and its Application to Mitigating Exemption Bias in GDPs, Bob Hoffman, Metron Aviation

2-for-2 Slot Trading in GDPs, Mike Ball, UMD

2:00 – 2:15: Break

2:15 – 4:00

Probabilistic Thunderstorm Modeling: Barry Lieu, UCB

Optimization Models for Off-Loading Flow Constrained Areas: Ming Zhong, UMD

Stochastic Models for Predicting Enroute Congestion: Dave Lovell, UMD