



**2010 Annual US/Europe International
Aviation Safety Conference**

**Scott Foose
Regional Airline Association**

Industry Fatigue Initiatives

RAA Fatigue Initiative Background

- ULR Operations Launched FRMS Development
 - Ultra-Long-Range flight capability prompted Continental, Delta and American to utilize mathematical models predicting fatigue, validate fatigue predictions in field studies, and develop model-based fatigue risk management programs.
- Rulemaking Lessons Learned
 - Fatigue related events intensified focus on science-based scheduling rules → FAA’s Advisory Rulemaking Committee.
 - Limited industry research underway except ULR operations.
 - Gap in research related to multi-segment operations, i.e. “workload fatigue.”
- Launched SSI Including Phased Fatigue Initiative
 - Conducting state-of-the-art fatigue performance modeling.
 - Conduct field study to validate modeling results.
 - Develop industry leading fatigue training.
 - Promote FRMS development.

RAA Partners & Goal

- Partners
 - Washington State University Sleep and Performance Research Center (modeling & validation).
 - Flight Safety Foundation (training).
- Fatigue Initiative Summary
 - Improve understand of workload fatigue.
 - Begin to fill science gap.
 - Identify actionable information for improving training and FRMS development.
- Goal
 - Increase safety, reduce risk by improving airline management and pilot knowledge and awareness.