

# Developing, Fielding, Justifying Aviation Weather Systems for Operational User Community

## Points to Consider

- “You mean not everyone’s a ‘weather-weenie’?”
  - Importance of weather translation/integration for ATM
- “Data look great! Why aren’t you using it?!”
  - Must understand ATM problem space and operational limitations
  - Need focused, operationally-realistic ConOps
  - Importance of aggressive, iterative, scenario-based training
- NowGen (“deterministic” wx) vs. NextGen (“probabilistic” impacts)
- “Rome wasn’t built in a day”
  - Users need trust and experience in decision-support technology
  - Implications for FAA Investment Analysis decisions

# User Training – Lessons Learned

- Many opportunities to use WX data for more or less than it was intended
- “High-use” WX periods come and go – so does user expertise
- High intimidation and “burn” factors with WX tools – must be overcome
- Foundation for operational applications of WX information must be provided

	Effective	Less Effective
Level of Detail	Focus on key features; enable greater self-learning	Train everything
Focus	Operations-based scenario training	“Buttonology”
Delivery	Live training; real-time training	Computer Based Instruction (CBI)
Frequency	Refresher + embedded support	“One and done”
Duration	30 – 45 minutes	> 60 minutes
Interaction	Promote discussion	“Any questions? No? Good!”