



Boeing Industry Perspective on the Presented Research

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Agenda



- Boeing Model 787 Technology Status
- Boeing's Interests
- Portfolio Evaluation



Boeing Interests

(What's Next)



- Immediate
- Near Term
 - Safety Enhancement
 - Performance Enhancement
(New Applications, Materials / Structural Concepts)
 - Fibers
 - Hybrids
 - Off – Axis
 - Nano Technology
 - Probabilistic Design



Boeing Interests

(What's Next - continued)



- Cost Reduction
 - Non-Recurring
 - Reduced Testing
 - Recurring
 - Braids and Weaves
 - Joining
 - Customer Life Cycle
 - Inspection
 - Maintenance and Repair



Portfolio Evaluation



- Overall Very Good
- Match With Interests:
 - Safety Enhancement ✓
 - Performance Enhancement
(New Materials / Structural Concepts)
 - Fibers
 - Hybrids ✓
 - Off – Axis
 - Nano Technology ✓
 - Probabilistic Design ✓



Portfolio Evaluation



- Cost Reduction
 - Non-Recurring
 - Reduced Testing ✓
 - Recurring
 - VARTM ✓
 - Braids ✓
 - Joining ✓
 - Customer Life Cycle
 - Inspection
 - Maintenance and Repair ✓