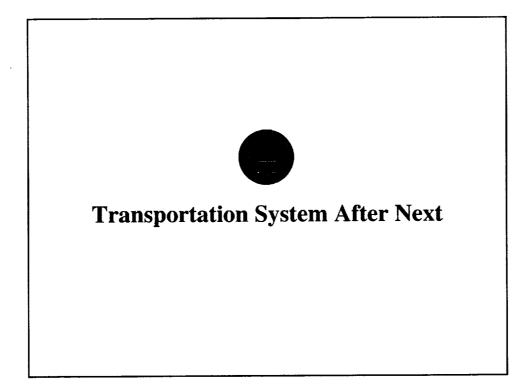
Transportation System After Next & Comments on AvSTAR Planning Roberterenter Director, Strateger and Strateger Office of Aerospace Septended -----

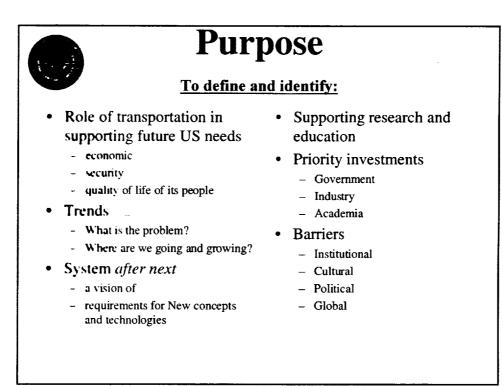
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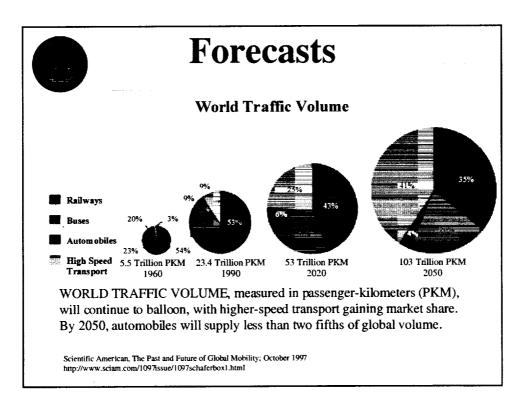


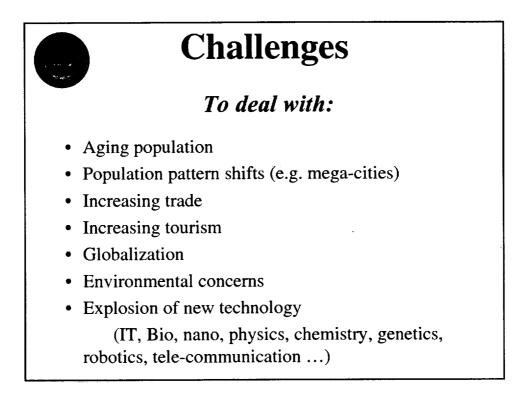
Mission

Define how transportation will meet the requirements of mobility in the future so that we can initiate R&D programs today that will allow us to achieve that future state.

The future IS mobility - - moving people, goods, and ideas



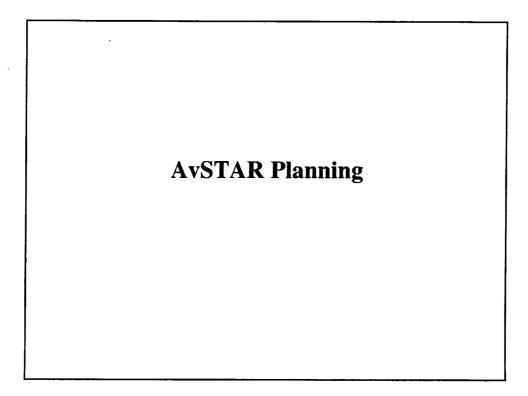


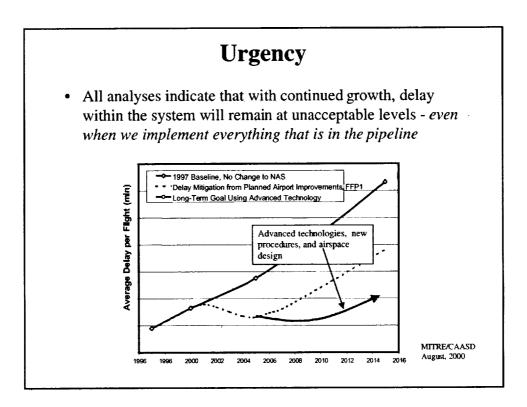


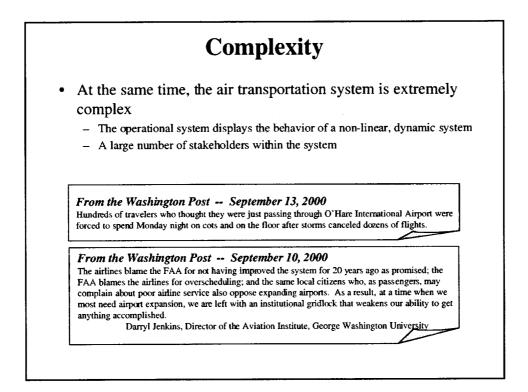
White Paper

• Content

- Description of transportation trends, and definition of problem -nature of constraints to growth and demand verses supply mismatch
- Identify solution space (technical/operational leverage) and barriers/issues to unlocking leverage for issues outlined above
- Matrix of options for consideration, major uncertainties, questions, future requirements or constraints. "Hooks" to expand discussion to other modes for complete systemic view
- Status
 - In preparation
 - First draft for review and comment by October 2000
 - NASA-FAA draft can be used by other mode's as a model for their white papers







Dealing with an urgent & complex problem

- Many potential outcomes in trying to solve an urgent and complex problem, *most of them are not good*
- Need to continue evolutionary technology development and implementation in the near-term while working more fundamental research and advanced concepts for the long-term
- Requires high fidelity testing to prove out concepts and technology
- All key stakeholders must buy-in
- For advanced concepts, need to protect the effort from tendency to pull back to nearer-term, incremental solutions

Strategies for Moving Forward

- Continue to support Free Flight implementation and the development of automation aides
- Aggressively pursue system concept studies to develop overall system architecture options that can operate at higher capacities
- Develop a large-scale, non-linear simulation capability for the air transportation system to better understand and perform trade-offs for technology and advanced concepts
- Pursue a partnership model that integrally includes all key stakeholders

Conclusion

- Growing recognition for the need for renewal of transportation to meet the mobility needs of the Nation
- Air transportation is the key for the growing demand for high speed transportation
- Advanced aviation system concepts and supporting technology is the cornerstone for continuing to advanced air transportation

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