We will be the standard of excellence amongst state aviation agencies.

We will make the Virginia Aviation System the model air transportation system, providing Virginia communities economic development opportunities and convenient access to the National air transportation system.
Standard of Excellence

- **IS-BAO Certification for Flight Department**
  - 1st State Avn Department in the Nation to achieve
  - 120th in the world

- **ISO 9000 Certification – Quality Management**
  - 1st State Avn Department in the Nation to achieve
  - 1st Agency in the Commonwealth to achieve
  - 2nd State Agency in the Nation to achieve (Ill DOT)
  - VCU provided invaluable assistance in the ISO 9000 Process
  - Process Improvements – Streamlining & Performance Based
  - Automate & Web Base
  - Better and Faster Customer Service
Integrated Tools

Risk Classification Model
Risk Mgmt. Policy
BIA
Gap Analysis & Risk Assessment

Enterprise Risk Management

Standard of Excellence

Guest Speaker at Risk Management Conference
Phoenix April 29th 2009
DOAV will;

Cultivate an advanced aviation system that is safe, secure and provides for economic development;

Promote aviation awareness and education; and

Provide safe and secure flight services for the Commonwealth Leadership and State Agencies
2000 Population Within 45 Minutes Of A Commercial Service Airport Or 30 Minutes Of A General Aviation Airport: 99%
Advanced Aviation System,

- Statewide NAVAIDS Study is Final
- NAVAIDS Study will
  - Improve Safety
  - Improve Access
  - Reduce Risk
- $75 Million in improvements
  - New Approaches
  - New Facilities
  - New Surveys for Obstructions
To Improve Safety and Access at GA Airports

- Small Community Airport Access Program (SCAAP)
- AWOS at every airport
  - Altimeter Setting
  - Ceiling
  - Visibility
  - Winds
  - Recorded Information
- Approach to every airport
  - GPS to real minimums or
  - GPS to 1000 ft with 3 miles visibility
- More straight in approaches – reduce circling approaches
SCAAP

Weather Reporting Systems
1. Blackstone
2. Brookneal
3. Front Royal
4. Marks
5. New Kent
6. Tangier
7. William Tuck
8. Bridgewater
9. Chase City
10. Falwell
11. Hummel
12. Lawrenceville
13. Smith Mountain Lake
14. Crewe
15. Gordonsville
16. Lake Anna
17. Lunenburg
18. New London
19. New Market
20. Waynesboro

Approaches Day Only 1000ft & 3 miles
1. Bridgewater Sched Feb 2010
2. Shannon (S) Licensing Obstructions
3. Smith Mtn Lake (S) Licensing Obstr
4. Chase City (S) Licensing Obstructions
5. Hummel (S) Awaiting Local Approval
6. Lawrenceville (S) Published
7. Tangier (S) Published
8. Williamsburg (S) Published
9. Crewe Sched Fall 2010
10. Gordonsville Sched Fall 2010
11. Lake Anna Sched Fall 2010
12. Lunenburg Sched Fall 2010
13. New London Sched Fall 2010
14. New Market Sched Fall 2010
15. Waynesboro Sched Fall 2010

12 Airports getting both!

S = Suspended Traditional Approach

RFP for Design Awaiting DGS review
Provides for Economic Development

- $10.8 Billion in Economic Activity for 2004
- $4.8 Billion in Wages
- 164,091 Jobs for Virginia
- Every State $1 spent generates $2.93 in economic activity
- Every State $1 spent generates $5.50 in economic activity with Federal Matching
- According to US DOT every Federal $1 spent returns $11 into the Federal Economy
Provides for Economic Development

Economic Impact Studies

- Two phases
  1. Airport (FAA Funded) Delivery Dec 2010
  2. Aerospace Delivery in Jul 2010
    - Combined benefits

- Secretary of Commerce and Trade has approved the DOAV initiative to establish a pilot program along with VCU to standardize these studies.

- VCU to establish an Educational Consortium to standardize and oversee quality and consistency of the reports while reducing the costs to the Commonwealth.
Changes & Opportunities

- FAA Operations Forecast
  - 2X by 2015 Now 1.4X
  - 3X by 2025 – 2040 - 2056

- Air Carrier Capacity
  - 678 Million Passengers in 2007
    - Virginia about 50 Million
    - Dulles alone was 25 Million

- Potential Reliever Role Change

- Point to Point
New RESERVATION System

TRAVELERS

AIR TAXI & AIR CHARTER

ALL AIRPORTS

www.virginiaairtaxi.com
Welcome to Virginia Air Taxi

Here you can fly from anywhere in Virginia to anywhere hundreds of miles away on your schedule.

- Fly from any of nearly seventy airports across the state – most of which are not served by commercial airlines.
- Save hours of driving and fly directly from where you live to your destination.

To get started, all you need to do is enter your origination address and destination address. We’ll find the closest airport to each address, show you all of your air taxi options, and find the best option to suit your needs.
Virginiaairtaxi.com Statistics

- 11 Months after Launch
  - 12,193 quotes (24% increase this quarter)
  - 1,515 unique IP addresses (offices)
  - 223 bookings correlated to quotes
  - Excellent attach rate
    - Industry norm is for 98% of customers that complete purchase to research on web and book by phone

- Developing a soft roll out focusing on Chambers of Commerce throughout the Commonwealth
DOAV Funding

- DOAV receives no General Funds
- DOAV funded through Aviation Fees
  - Aviation Fuel Fees = 5 cents per gallon
  - Aircraft Sales and Use Tax = 2% of sales price
- DOAV Capital Airport Fund is 2.4% of the TTF
  - Aviation contributes to the TTF from the Aviation Fuel Fees
### Department of Aviation Budget 2010

**Capital Improvement Program**  
- $18.3 Million  
- 2.4% of the Transportation Trust Fund (TTF)  
- (Aviation contributes to TTF from Aviation Fuel Sales)  
- Runways  
- Aprons  
- Terminals  
- Airside Improvements

**Aviation Special Fund**  
- $9.5 Million  
- Funded by Aviation Fuel Tax, Aircraft Sales and Use Tax  
- GA Airport Security  
- Facilities & Equipment  
- Airport Promotion  
- Aircraft Operations  
- Aircraft and Airport License Administration  
- Airport Maintenance  
- Air Service Development  
- Small Aircraft Transportation System (SATS)

CIP could leverage over $200 Million in Federal Grants
<table>
<thead>
<tr>
<th></th>
<th>Normally</th>
<th>Current Revenue Projection</th>
<th>Annual Reduction</th>
<th>% Reduction</th>
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<tbody>
<tr>
<td>FAA AIP</td>
<td>$72 Mil</td>
<td>$60 Mil</td>
<td>$12 Mil</td>
<td>17%</td>
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<tr>
<td>DOAV CAF from TTF</td>
<td>$20 Mil</td>
<td>$18.3 Mil</td>
<td>$1.7 Mil</td>
<td>9%</td>
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<tr>
<td>Special Fund</td>
<td>$10.6 Mil</td>
<td>$9.5 Mil</td>
<td>$1.1 Mil</td>
<td>10%</td>
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<tr>
<td>Fund</td>
<td>2008</td>
<td>2009</td>
<td>2010</td>
<td>2011</td>
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<tr>
<td>Commonwealth AP Fund (TTF 2.4% for VAB)</td>
<td>21.9</td>
<td>21.7</td>
<td>18.3</td>
<td>19.1</td>
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<tr>
<td>Budget Bill</td>
<td>17.4</td>
<td>17.4</td>
<td>15.2</td>
<td>24.1</td>
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<tr>
<td>Aviation Special Fund</td>
<td>10.5</td>
<td>10.7</td>
<td>9.5</td>
<td>9.5</td>
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<tr>
<td>Other ie. FAA, Gov travel and Udvar Hazy</td>
<td>0.6</td>
<td>0.6</td>
<td>0.5</td>
<td>0.5</td>
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<tr>
<td>Total New Resources</td>
<td>33.0</td>
<td>33.0</td>
<td>28.3</td>
<td>29.1</td>
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<tr>
<td>Total per Budget Bill</td>
<td>28.5</td>
<td>28.7</td>
<td>25.2</td>
<td>34.1</td>
</tr>
</tbody>
</table>
Our Future

Virginia Next Generation

Early Implementation Plan (VEIP)

- Airspace
- Airports
- Aircraft
NextGen Next Steps for Virginia

- Partnership with
  - DOAV - FAA
  - NASA - NIA
  - VAOC - VABA
  - Industry - Academia

- Presentation to FAA for Virginia to become an
  - Early Adopter,
  - A NextGen Test Bed and
  - Research Center for NextGen
**Virginia EIP Project Summary**

**Implementation Objectives**

**Access:**
- Separation improvements in both uncontrolled and controlled airspace
- Improved approach minimums to all runways via GPS/LPV approaches
- SUA, Class B and SFRA access

**Efficiency:**
- More efficient routing via RNAV/RNP procedures
- Reduce vectoring for traffic (offsets / passing lanes)
- Energy optimized trajectories

**Safety:**
- More accurate / accessible weather & traffic information
- Improved tower services
- Improved situational awareness
- Parallel runway operation
- Part 135 / 91 Operations:
  - Improved integration to scheduled service
  - Fleet operations optimization

**NextGen Technology**

- RNAV/RNP Navigation
- ADS-B
- GPS/WAAS
- NextGen Virtual Tower

**Education**

- Public Awareness
- Workforce Development
Complementary Testbed & Research Activities

Six (6) research projects are proposed with the VA EIP:
- Objective is to evaluate promising new technologies and research NextGen economic/operational impacts
- Leverages Virginia’s research and academic community

Recommended Projects:
1. Virginia as a Testbed for JPDO Net-Centric and Network-Enabled Weather Demonstrations
2. Increased Throughput at Smaller Airports
3. Leverage UAS Technologies to Improve GA Single-Pilot Safety
4. ADS-B Application to Wake Vortex Mitigation
5. Datalink Between a Carrier’s Flight Operations Center and its Aircraft
6. Air Taxi Economic Impact Modeling
In many cases, our airports are the first and last impression of Virginia. Let’s make that impression count!