

**DOCKET NO.: SA-519  
EXHIBIT NO. 14I**

**NATIONAL TRANSPORTATION SAFETY BOARD  
WASHINGTON, D.C.**

**ROBERT W. BAKER PRESENTATION FOR NTSB PUBLIC HEARING  
(16 pages)**

**American Airlines flight 1420  
Little Rock, Arkansas  
June 1, 1999**

**DCA99MA060**

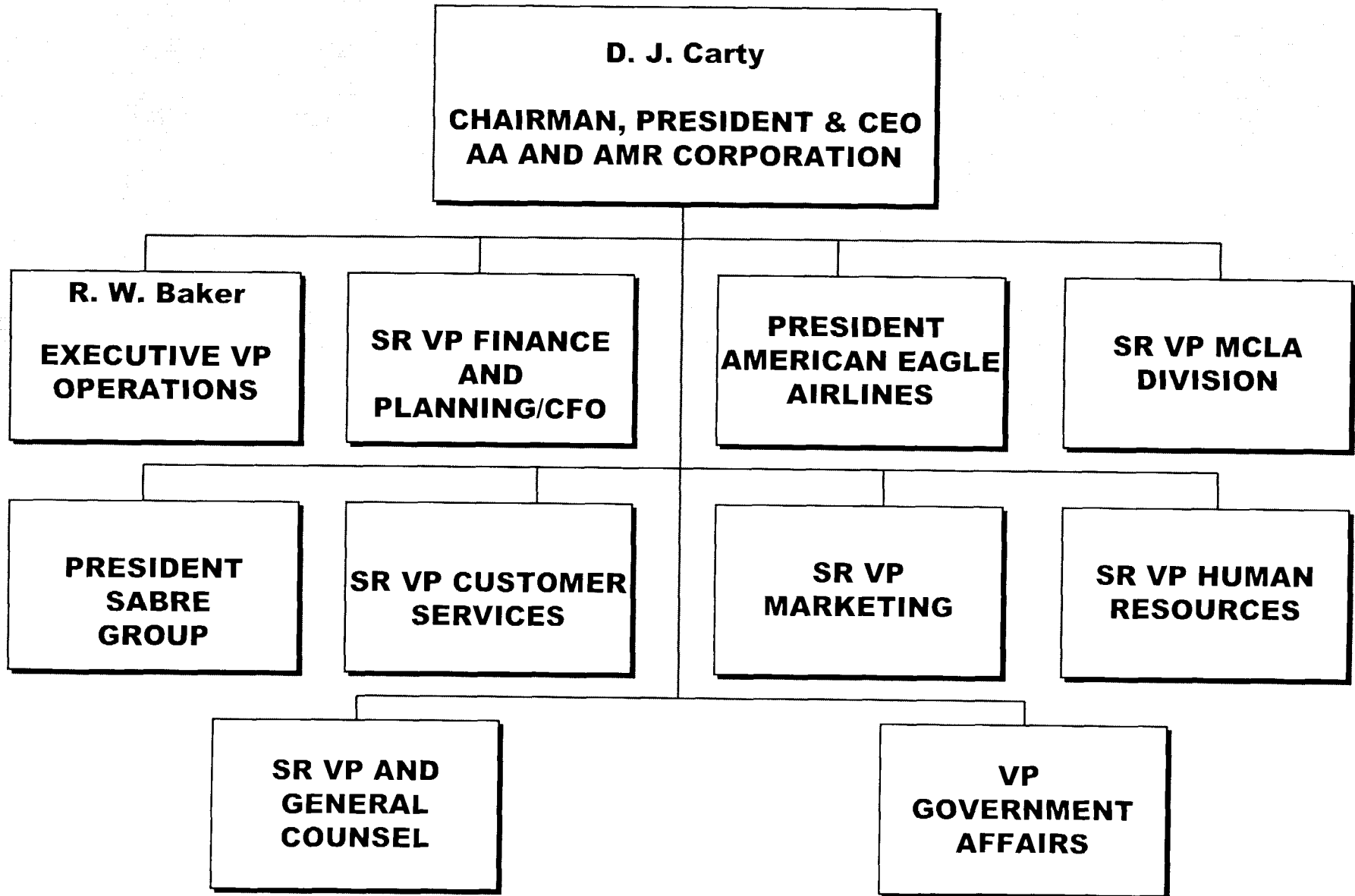
# **Presentation for NTSB Public Hearing**

**Robert W. Baker**

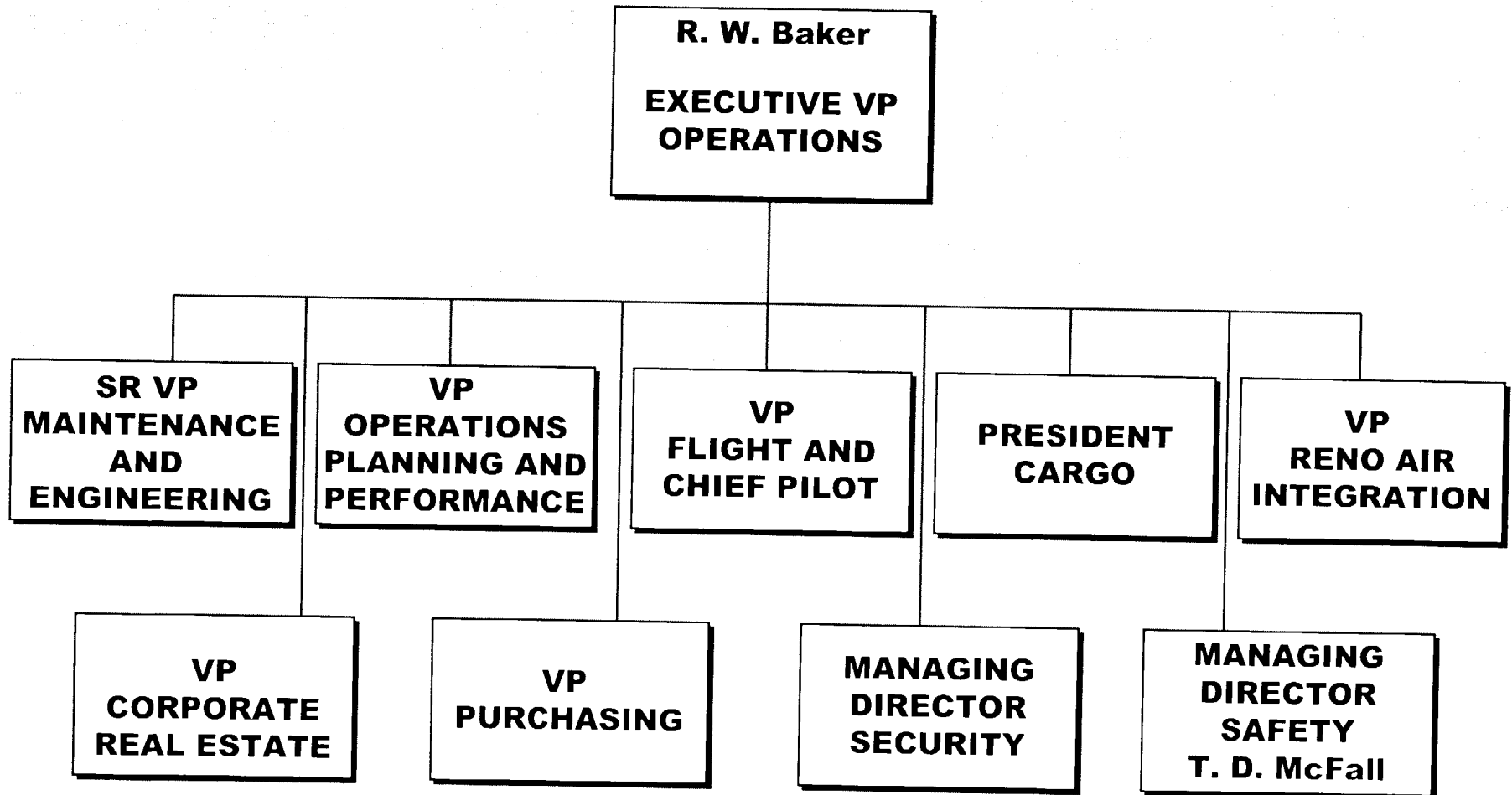
**Vice Chairman**

**January 27, 2000**

# AMR Corporation

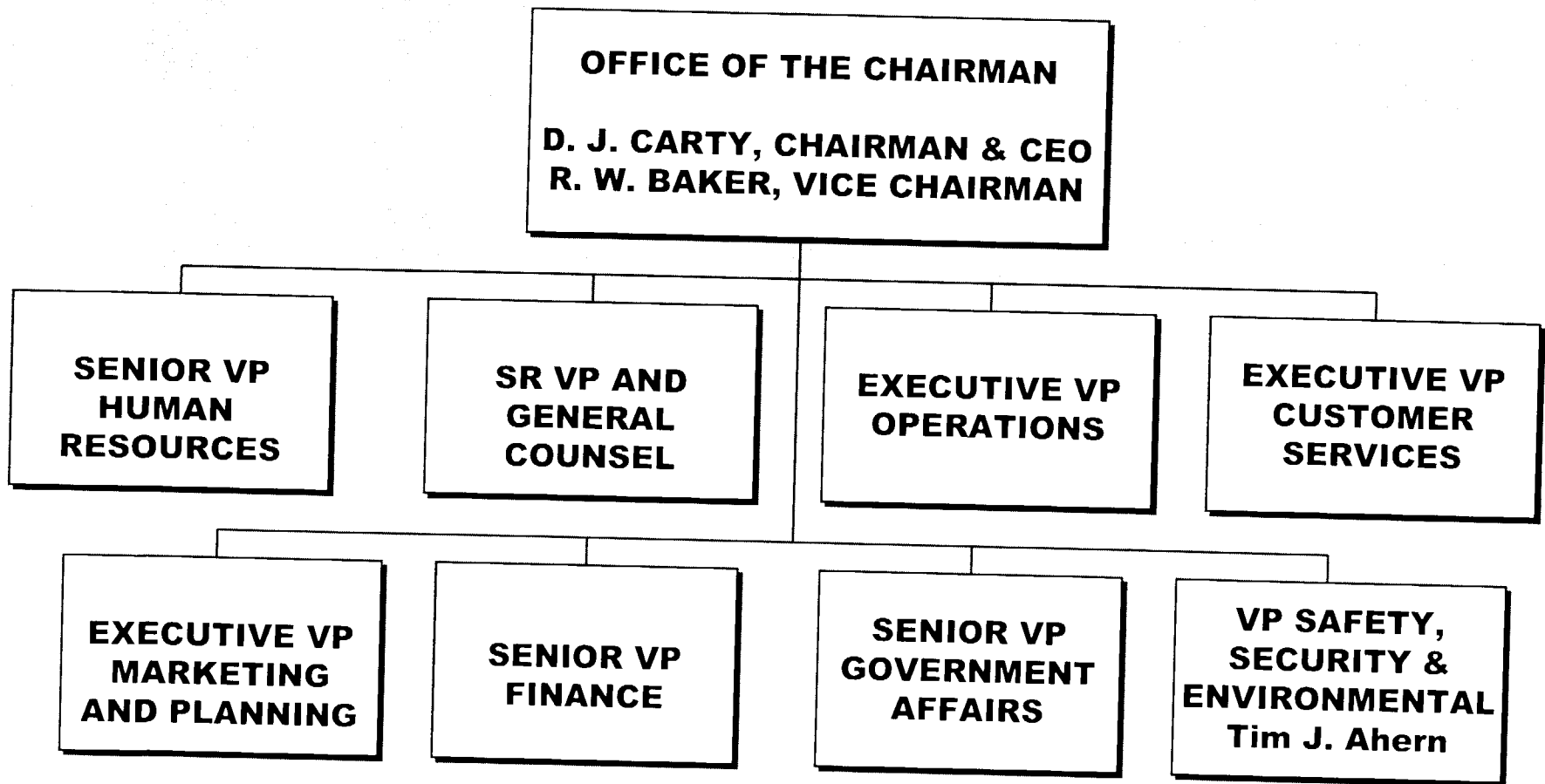


# OPERATIONS

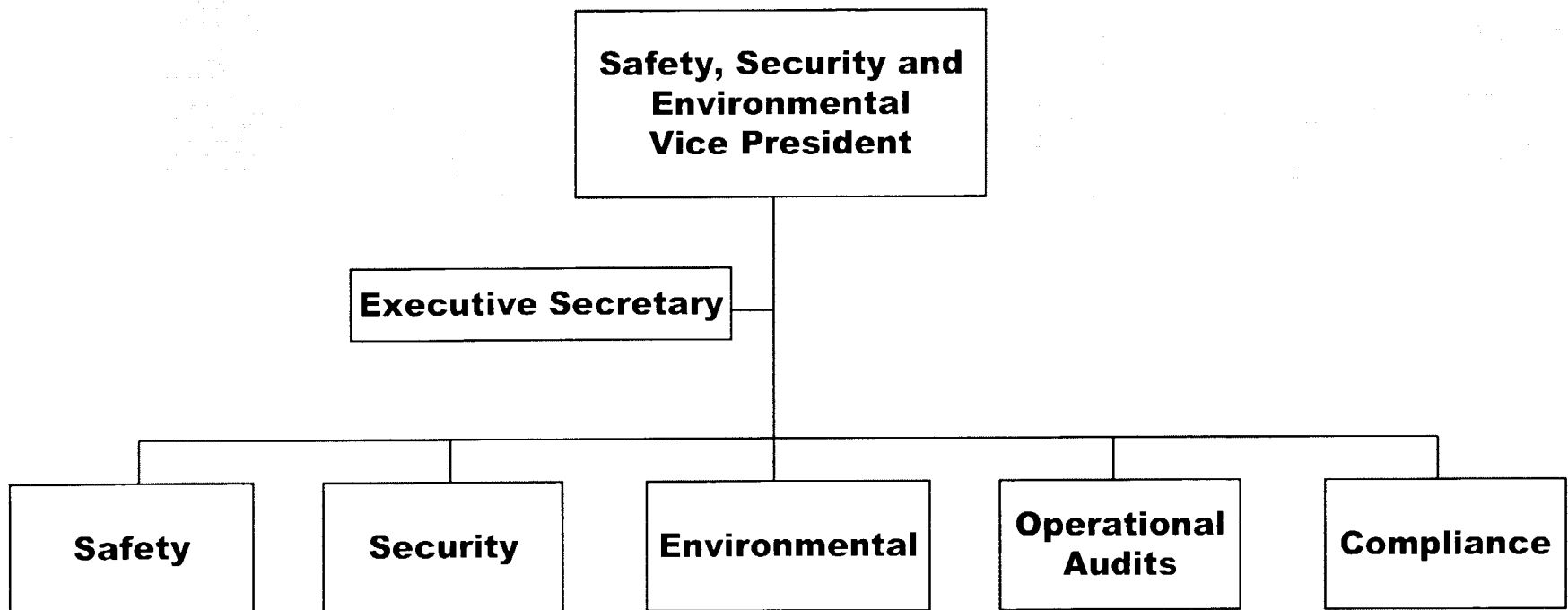


(2)

# AMERICAN AIRLINES EXECUTIVE REORGANIZATION JANUARY 5, 2000

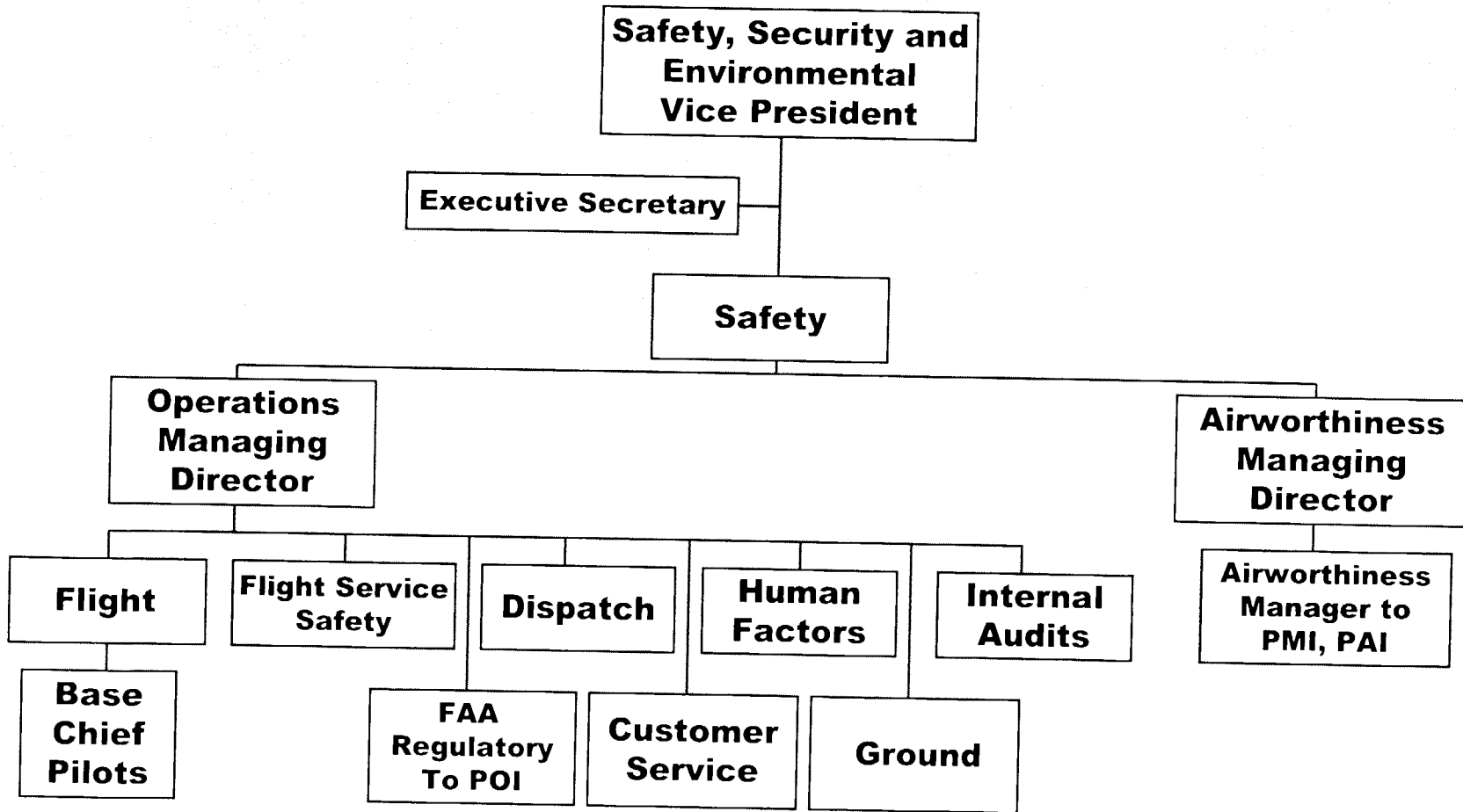


# Safety, Security and Environmental



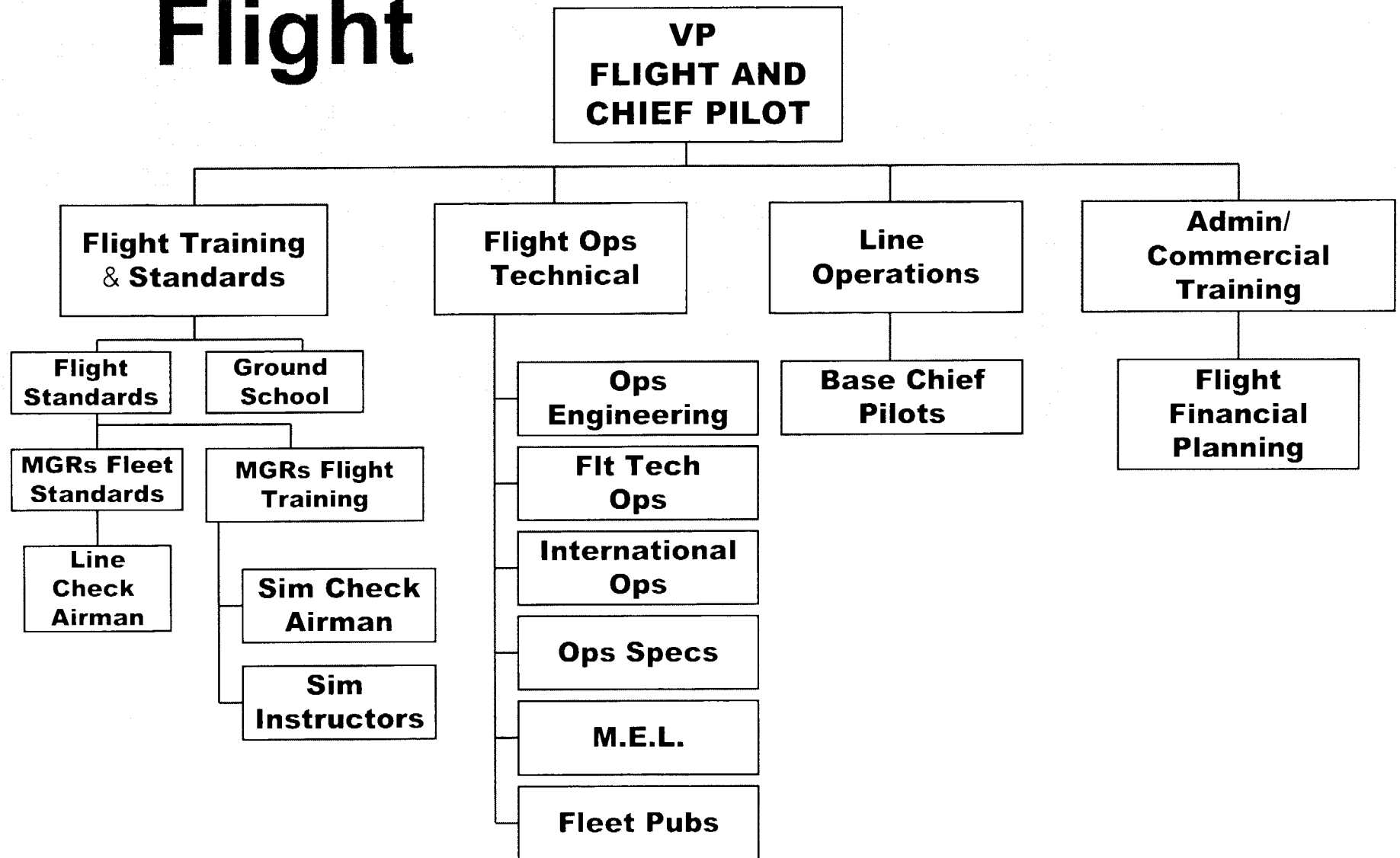
5

# Safety, Security and Environmental



6

# Flight



- Flight Safety reports to VP Safety, Security & Environment with dotted line to VP Flight

7



# **Safety Programs**

- **ASAP/FOQA**
- **FlightNet Reporting System**
- **Internal/External Audits**
- **Air Carrier Voluntary Disclosure**
- **AA-APA Safety Review Process**
- **FAA ATOS - System Analysis Teams**

# ASAP

- **Accident Prevention Program**
- **Pilots/Mechanics/Dispatchers eligible**
- **Over 20,000 pilot reports to date**
- **Voluntary, self-reporting program to identify and correct safety concerns**
- **AA/APA/FAA joint review & corrective action**
- **Improvements in all operational areas**



# Improvements

- **Operating Manual Changes-All Fleets**
- **Policy change-Pilots, Dispatchers, and Mechanics**
- **Training Procedural Improvement**
- **Air Traffic Service Procedural Recommendations**
- **Additional Training to Proficiency for crewmembers**

# **Flight Safety Review Process**

- **Joint Process agreed between AA and APA to Identify, Review, and Resolve Flight Safety Issues**
- **Consensus Building**
- **Letter-of-Agreement in progress**

# AA Fatal Accidents

- |                  |  |
|------------------|--|
| <b>1979-1995</b> | <b>No Fatalities</b>                   |
| <b>1995 -</b>    | <b>757 Cali, Colombia</b>              |
| <b>1999 -</b>    | <b>MD-80 Little Rock,<br/>Arkansas</b> |

# **Flight Safety Assessment Program (1996)**

- **AA-FAA-APA joint 18 month review**
- **Accomplished improvements in the following areas:**

**Human Factors**

**Division Specific Operations**

**Advanced Technology**

**Structure & Procedures**

**FOQA**

# Results - Examples

- **Joint effort to certify EGPWS for air carriers**
- **Installation of EGPWS on entire AA fleet**
- **Developed Advanced Aircraft Maneuvering Program for all AA pilots**
- **AA Non-Precision Approach Working Group initiated industry effort to improve vertical descent profiles**
- **Recommended terrain display on charts**

# **MD-80 Little Rock, Arkansas**

- **Three Concurrent Evaluations:  
August-November**
- **85 Recommendations**
- **AA-APA have agreed on priority and ratings of recommendations**
- **Phase I Implementation Plan has been accepted by FAA**



# Highlights by Category

S  
a  
f  
e  
t  
y  
  
V  
a  
l  
u  
e



	Jan-Mar 00	April-Jun 00	July00-Jan02
	<ul style="list-style-type: none"> <li>• Safety Dept. Reorganization</li> <li>• Vice President of Safety</li> <li>• Departmental Safety Directors</li> <li>• Restore Relationship with APA Safety Committee</li> </ul>	<ul style="list-style-type: none"> <li>• Revise thunderstorm avoidance policy</li> <li>• Revise approach &amp; landing policy</li> </ul>	<ul style="list-style-type: none"> <li>• Implement FOQA</li> <li>• Enhanced Safety Audits</li> <li>• Develop safety Performance metrics</li> <li>• Upgrade safety tracking system</li> </ul>
	<ul style="list-style-type: none"> <li>• Publish Flight Safety magazine</li> <li>• Improve Human Factors focus on pilot decision-making</li> </ul>	<ul style="list-style-type: none"> <li>• Flight Operations/SOC Dept. Reorganization</li> <li>• Reexamine AQP and SVE</li> </ul>	<ul style="list-style-type: none"> <li>• Independent Flt Standards program to monitor Flt Training</li> <li>• Implement SPOT training</li> </ul>
	<ul style="list-style-type: none"> <li>• Improve Chief Pilot communications skills</li> </ul>	<ul style="list-style-type: none"> <li>• Develop CBT and digital video training for Special Airports</li> </ul>	<ul style="list-style-type: none"> <li>• Ensure all crew-members attend the fatigue counter-measures program</li> </ul>



16