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Morning Featured Speaker — Current State of Military and Civilian Pilot Pipelines

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Current State and Forecast
Civil and Mil Pilot Pipeline

Dr Michael McGee
15 AUG 17
RAND Pilot Pipeline Model

Training

Civilian Pilot Training
- 4-Year Accredited Undergraduate w/Part 141 (500 Hr ATP-R Credit)
- 2-Year Accredited Undergraduate w/Part 141 (250 Hr ATP-R Credit)
  - Part 141
  - Part 61

Military Pilot Training
- 750 Hr ATP-R Credit

Experience Building

Commercial
- Part 135 nr ATP
- Part 91 (incl Corp)
- Part 91(k) nr ATP
- Part 125 SIC
- Part 137

Instruction
- Part 141
- Part 61

Self-Finance

Minors

International

Requirements:
- Requires Comm or Comm/CFI
- Requires ATP/ATP-R License

Majors

ATP Minors
- Part 121 Regional
- Part 121 Supp
- Part 121 Small Cargo
- Part 135 PIC req ATP
- Part 91(k) PIC req ATP
- Part 125 PIC
- Large Corp PIC

ATP Majors
- Large Passenger
- Large Cargo

Attrition
- Retire
- Furlough

ATP Requirements:
- Requires ATP/ATP-R License

McGee, RAND, RGSD-351, Updated
RAND Pilot Pipeline Model
Primary Flows

Training
- Civilian Pilot Training
  - 4-Year Accredited Undergraduate w/Part 141 (500 Hr ATP-R Credit)
  - 2-Year Accredited Undergraduate w/Part 141 (250 Hr ATP-R Credit)
    - Part 141
    - Part 61
- Military Pilot Training
  - 750 Hr ATP-R Credit

Experience Building
- Commercial
  - Part 135 nr ATP
  - Part 91 (incl Corp)
  - Part 91(K) nr ATP
  - Part 125 SIC
  - Part 137
- Instruction
  - Part 141
  - Part 61
- Self-Finance

Minors
- ATP Minors
  - Part 121 Regional
  - Part 121 Supp
  - Part 121 Small Cargo
  - Part 135 PIC req ATP
  - Part 91(K) PIC req ATP
  - Part 125 PIC Large Corp PIC

Majors
- ATP Majors
  - Large Passenger
  - Large Cargo

Source: RAND RGSD-351, updated
Pipeline Fragility

- Nodal progression – pilot availability
- Intranodal transfers – stability and training costs
RAND Pilot Pipeline Model

Training

Civilian Pilot Training
- 4-Year Accredited Undergraduate w/ Part 141 (500 Hr ATP-R Credit)
- 2-Year Accredited Undergraduate w/ Part 141 (250 Hr ATP-R Credit)
  - Part 141
  - Part 61

Military Pilot Training
- 750 Hr ATP-R Credit

Experience Building

Commercial
- Part 135 nr ATP
- Part 91 (incl Corp)
- Part 91(K) nr ATP
- Part 125 SIC
- Part 137

Instruction
- Part 141
- Part 61

Self-Finance

Minors

International

ATP Minors
- Part 121 Regional
- Part 121 Supp
- Part 121 Small Cargo
- Part 125 PIC req ATP
- Part 91(K) PIC req ATP
- Part 125 PIC
- Large Corp PIC

Majors

ATP Majors
- Large Passenger
- Large Cargo

McGee, RAND, RGED-351, Updated

Requires Comm or Comm/CFI
Requires ATP/ATP-R License
Military Flow into Pipeline

Military pipeline is currently out of equilibrium
USA Air Force AD Losses

Strong statistical relationship between USAF AD losses and Major Airline Hiring

Source: RAND RGSD-351, updated AFPC