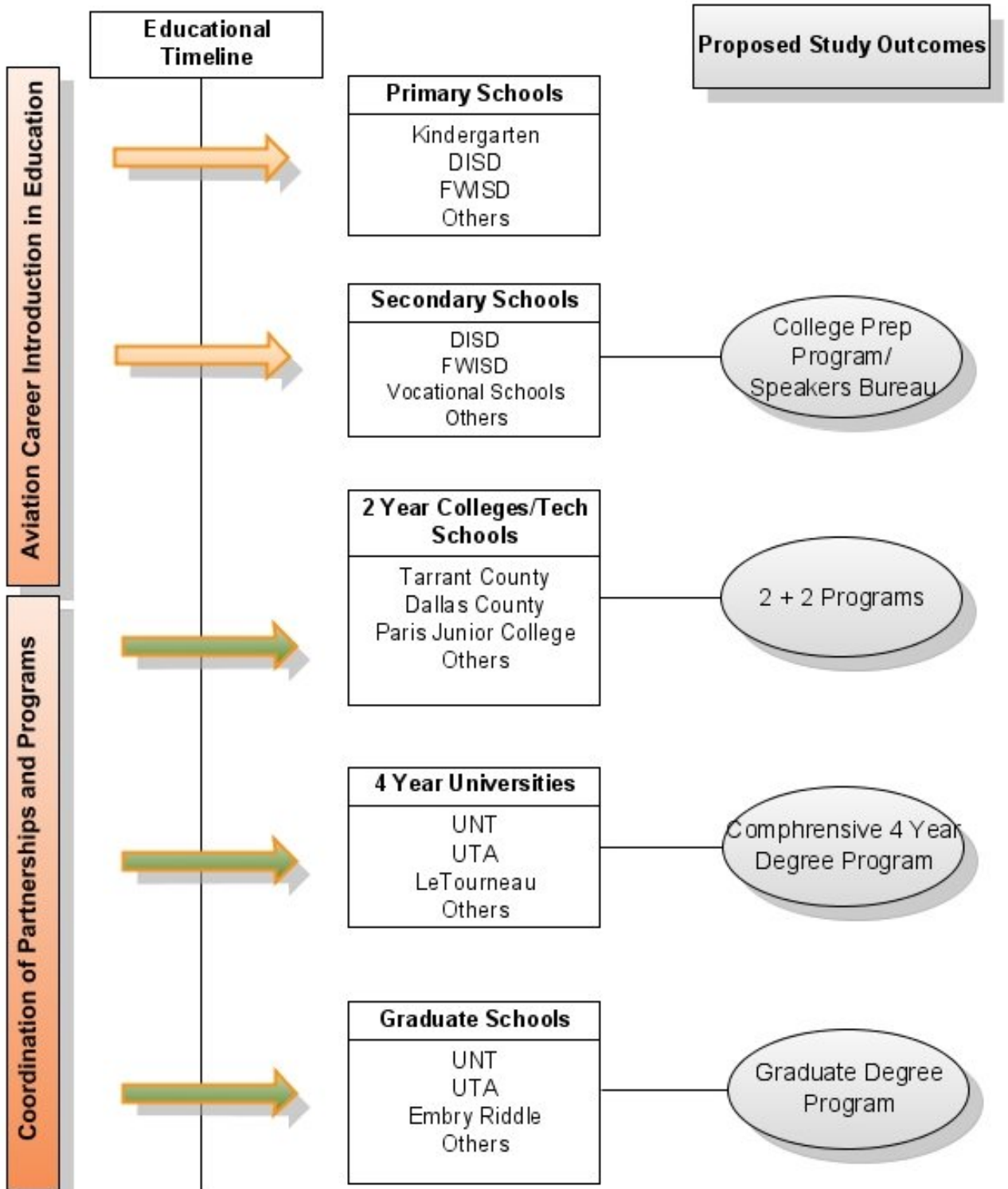
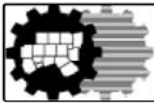


# Establishing the Context and Outcome





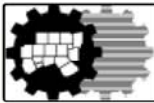
# Aviation Curriculum Development

**Academic Stakeholders Luncheon**

**December 15, 2008**

**Rachel Wiggins, P.E.  
Program Manager**

**North Central Texas Council of Governments**



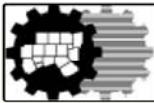
# History of Initiative

**Texas Transportation  
Institute Study (2003)**

**NCTCOG “New  
Technologies and  
Industry Trends Report”  
(2007)**

**Aviation Summits  
2007 and 2008**

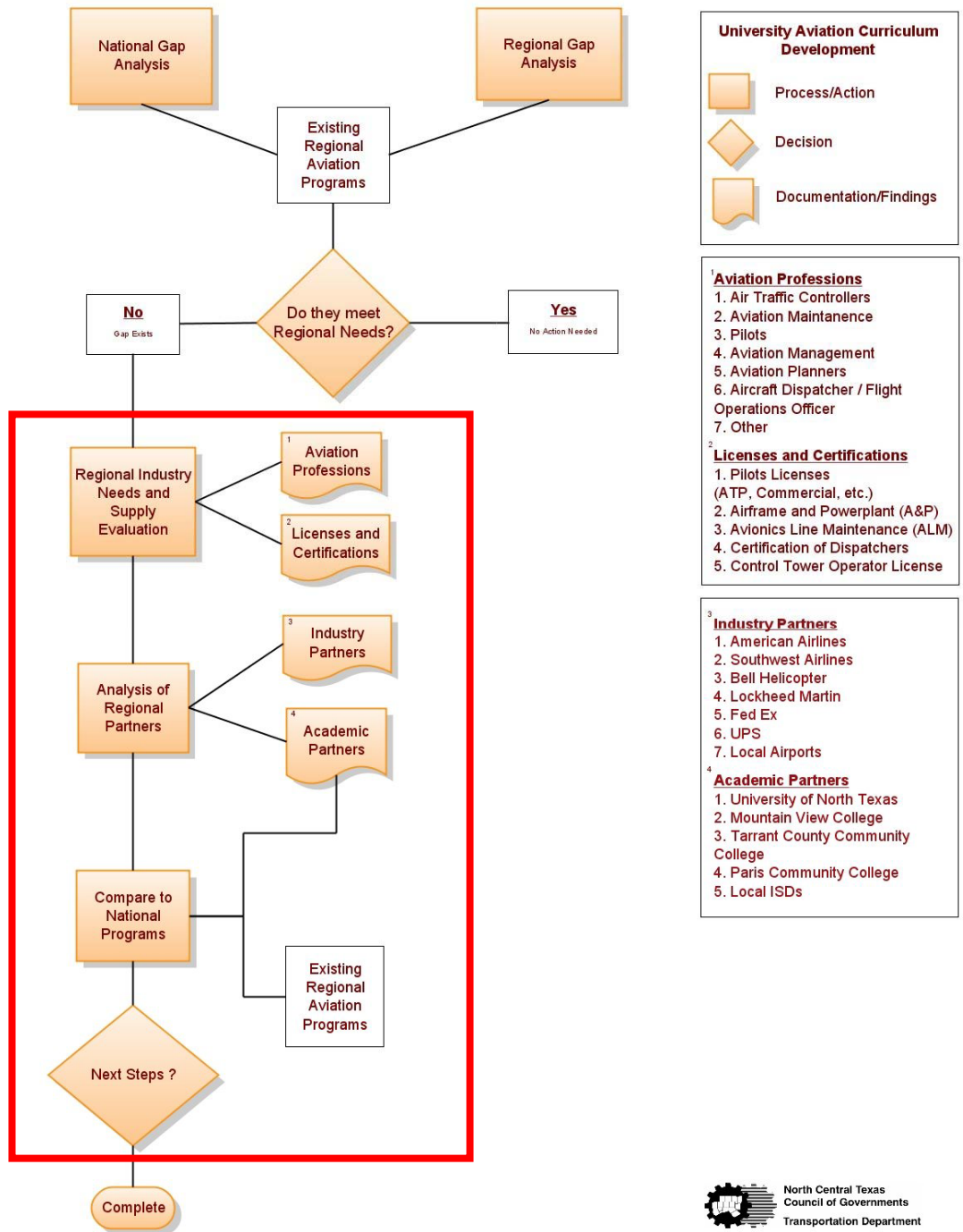




# NCTCOG Initiative \*



\* Total funding for the project is \$125,000

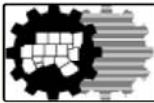


**University Aviation Curriculum Development**

- Process/Action
- Decision
- Documentation/Findings

- Aviation Professions**
1. Air Traffic Controllers
  2. Aviation Maintenance
  3. Pilots
  4. Aviation Management
  5. Aviation Planners
  6. Aircraft Dispatcher / Flight Operations Officer
  7. Other
- Licenses and Certifications**
1. Pilots Licenses (ATP, Commercial, etc.)
  2. Airframe and Powerplant (A&P)
  3. Avionics Line Maintenance (ALM)
  4. Certification of Dispatchers
  5. Control Tower Operator License

- Industry Partners**
1. American Airlines
  2. Southwest Airlines
  3. Bell Helicopter
  4. Lockheed Martin
  5. Fed Ex
  6. UPS
  7. Local Airports
- Academic Partners**
1. University of North Texas
  2. Mountain View College
  3. Tarrant County Community College
  4. Paris Community College
  5. Local ISDs



## **DRAFT Scope of Work Elements**

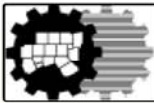
**Task 1.0 Project Management**

**Task 2.0 Review the Existing National and Regional Gap Analyses**

**Task 3.0 Evaluate National/Regional Industry Needs and Supply**

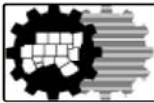
**Task 4.0 Recommend Expanded, Coordinated, and Comprehensive Regional Aviation Curriculum**

**Task 5.0 Develop a Public Outreach Plan**



## **Tentative Schedule**

<b>Project Submitted into UPWP/Funding Secured</b>	<b>Fall 2008</b>
<b>Scope of Work Developed</b>	<b>Fall 2008</b>
<b>White Paper Update to Focus on Curriculum</b>	<b>November 2008</b>
<b>Academic Stakeholder Workshop (RSVP Required)</b>	<b>December 15, 2008</b>
<b>Industry Partners Workshop (RSVP Required)</b>	<b>January 19, 2009</b>
<b>Project Review Committee Identified</b>	<b>Early 2009</b>
<b>Request for Proposals Issued</b>	<b>Early 2009</b>
<b>Consultant Selected</b>	<b>Spring 2009</b>
<b>Study Kick Off</b>	<b>Spring 2009</b>
<b>Final Report</b>	<b>2010</b>

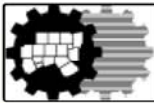


# Aviation Curriculum Development

## For More Information:

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rwiggins@nctcog.org  
(817) 704-2502

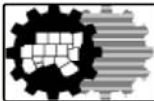
Michael Mallonee  
mmallonee@nctcog.org  
(817) 704-2513



# **Regional Aviation Picture Present and Future**

**Academic Stakeholders' Luncheon  
December 15, 2008**

**Michael Mallonee  
Transportation Planner  
North Central Texas Council of Governments**



# Regional Aviation Assets



Number of aircraft landing facilities

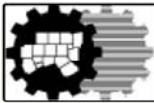
Number of pilots

Number of aircraft maintenance professionals

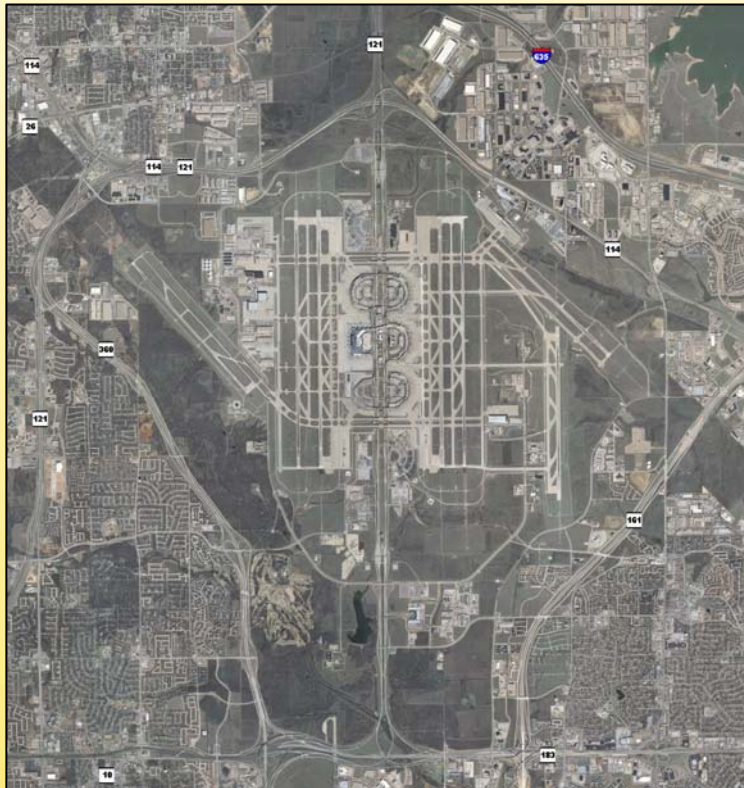
Number of air traffic controllers

Number of aircraft based in the region

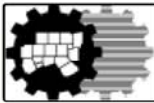
Number of air traffic control towers



# Commercial Aviation Assets



- D/FW Airport has more than 18,000 acres of land and 7 runways
- D/FW is the 7<sup>th</sup> busiest airport in the world (Passengers) and the 3<sup>rd</sup> busiest in the world (Operations)
- Nearly 800K tons of cargo moved in 2007 at D/FW alone
- \*Total economic impact of commercial service airports estimated over \$16 Billion
- Dallas Love Field “Wright Amendment” restrictions will be lifted in 2014
- Love Field offers flights to 60 destinations in the U.S. and strong GA component (600+ based jets and 96K GA operations)



# Upcoming ~~Special~~ Events:

*Regular*

## Confirmed Events

- NBA All Star Game 2010
- Super Bowl 2011
- Final Four 2014

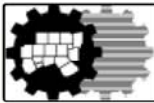


(Image courtesy stadium.dallascowboys.com )

## Potential Future Events?

- Olympics
- Political Conventions





# Regional Aviation Planning

**For More Information:**

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mmallonee@nctcog.org  
(817) 704-2513**