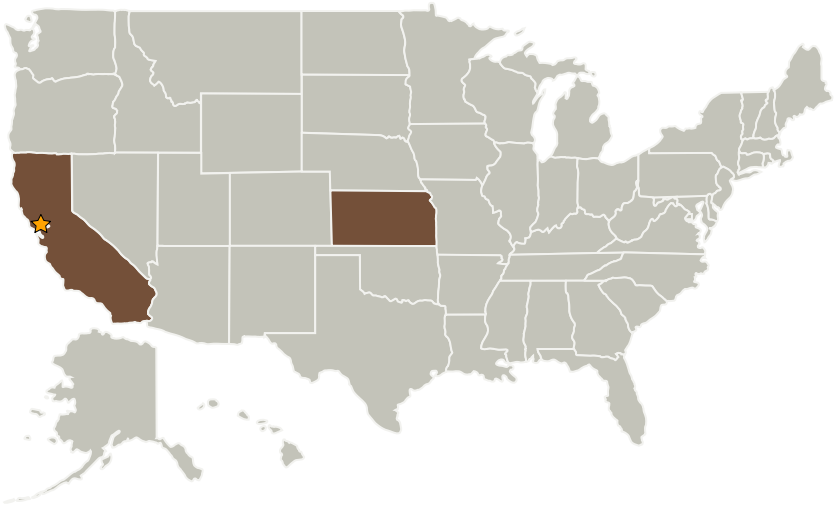
Network Centric Transponders for Airspace Integration of UAVs, Phase II

Completed Technology Project (2006 - 2008)

Project Introduction

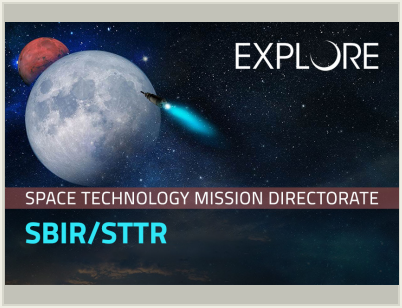
A method and device for situational awareness for unmanned air vehicles is presented. This enables integration of UAVs into the national airspace in a safe manner, equivalent to the level of safety of manned aircraft. Phase I results are presented and discussed. Phase II plans are discussed in detail. The Phase II will culminate in flight tests of the proposed gear. Alignment with national initiatives such as Access5 is discussed.

Primary U.S. Work Locations and Key Partners



Organizations Performing Work	Role	Type	Location
★Ames Research Center(ARC)	Lead Organization	NASA Center	Moffett Field, California
Jacobs Engineering Group, Inc.	Supporting Organization	Industry	Dallas, Texas

Primary U.S. Work Locations	
California	Kansas



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Organizational Responsibility

Responsible Mission Directorate:

Space Technology Mission Directorate (STMD)

Lead Center / Facility:

Ames Research Center (ARC)

Responsible Program:

Small Business Innovation Research/Small Business Tech Transfer

Project Management

Program Director:

Jason L Kessler

Program Manager:

Carlos Torrez

Technology Areas

Primary:

- TX16 Air Traffic Management and Range Tracking Systems
  └ TX16.4 Architectures and Infrastructure