

# Unleaded Avgas Transition

**The National Academies  
Aeronautics and Space  
Engineering Board**

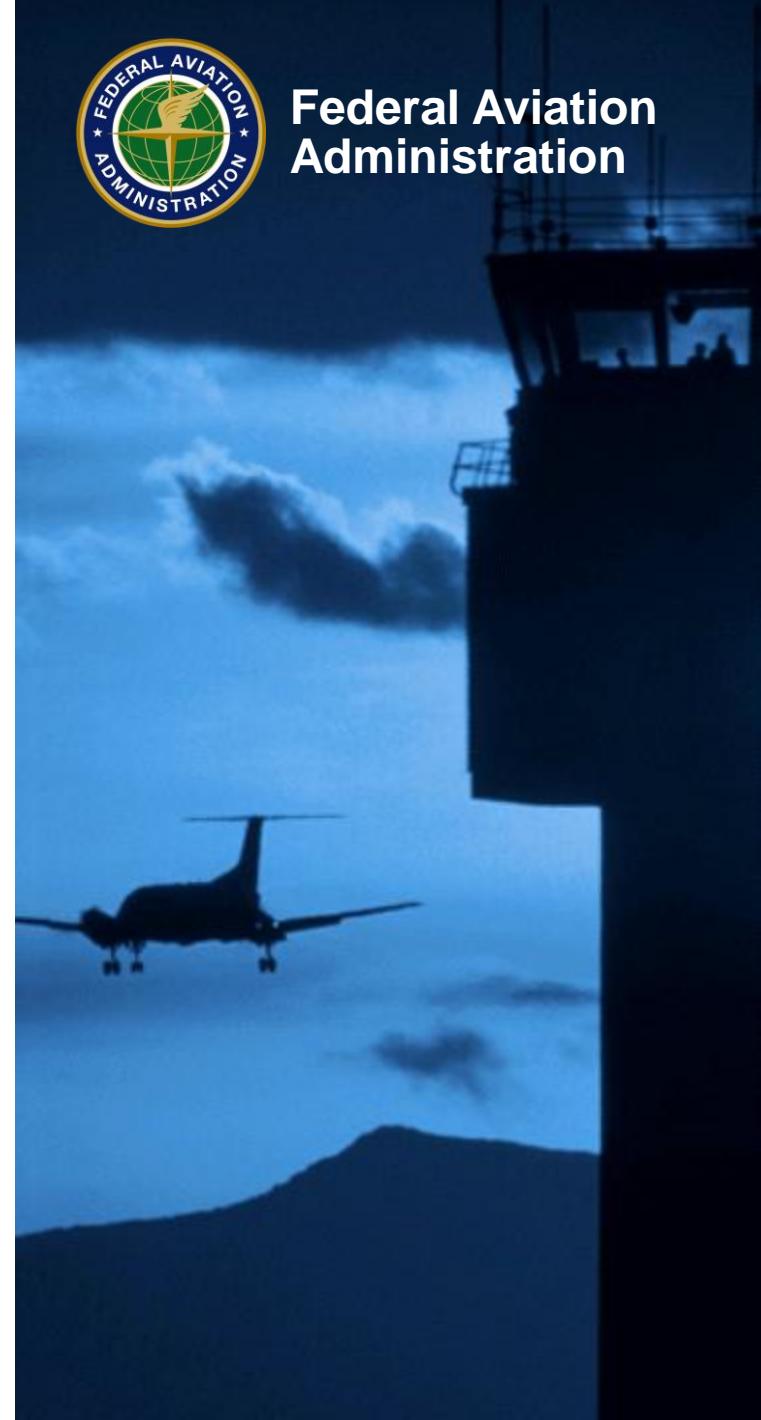
**Irvine, CA**

**November 8, 2012**

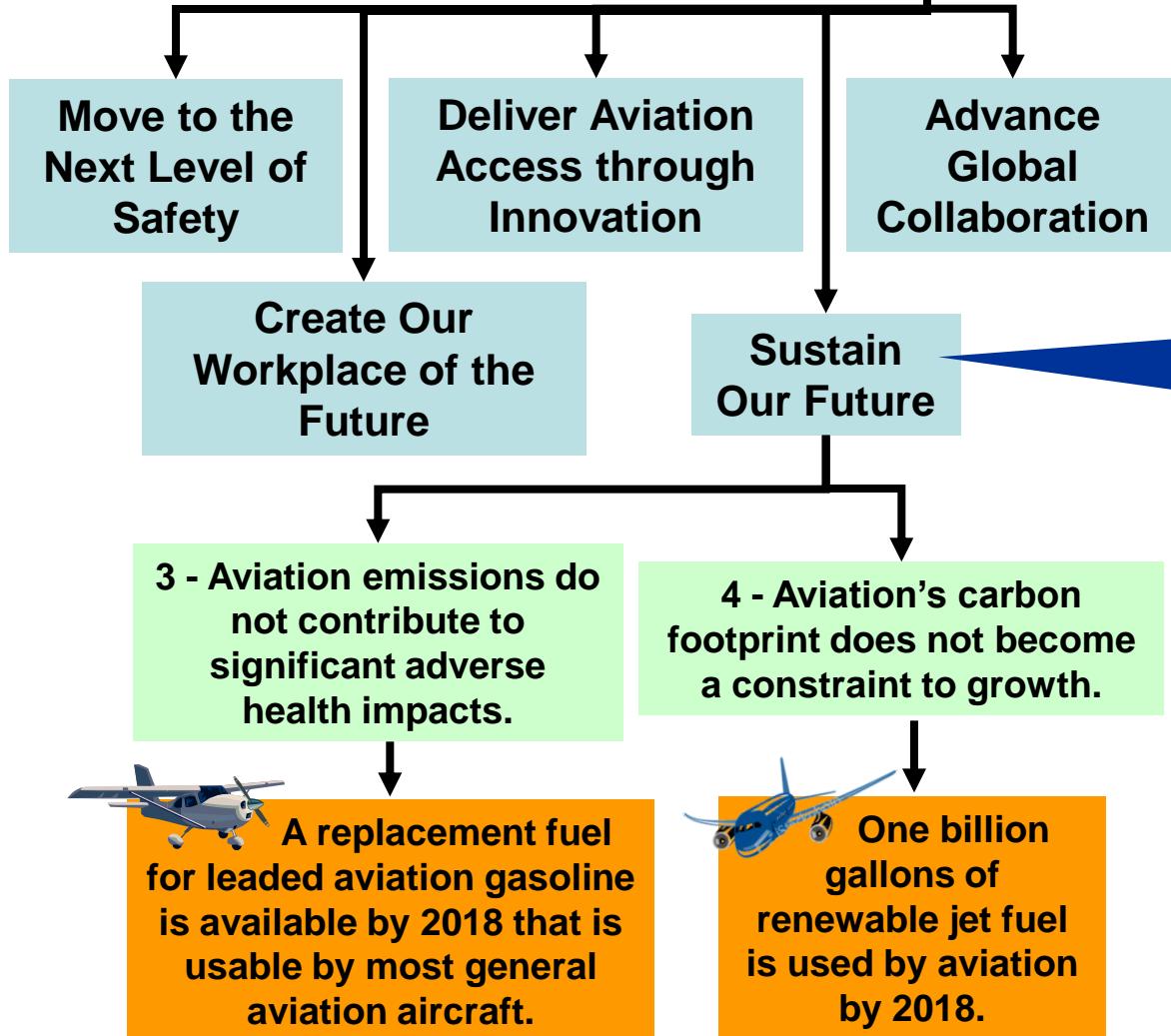
Mark Rumizen  
Senior Technical Specialist, Aviation Fuels  
Federal Aviation Administration



**Federal Aviation  
Administration**



# Destination2025



## Vision

*The safest, most advanced and efficient and sustainable aviation system in the world*

## Aspirations

*To develop and operate an aviation system that reduces aviation's environmental and energy impacts to a level that doesn't constrain growth and is a model for sustainability.*

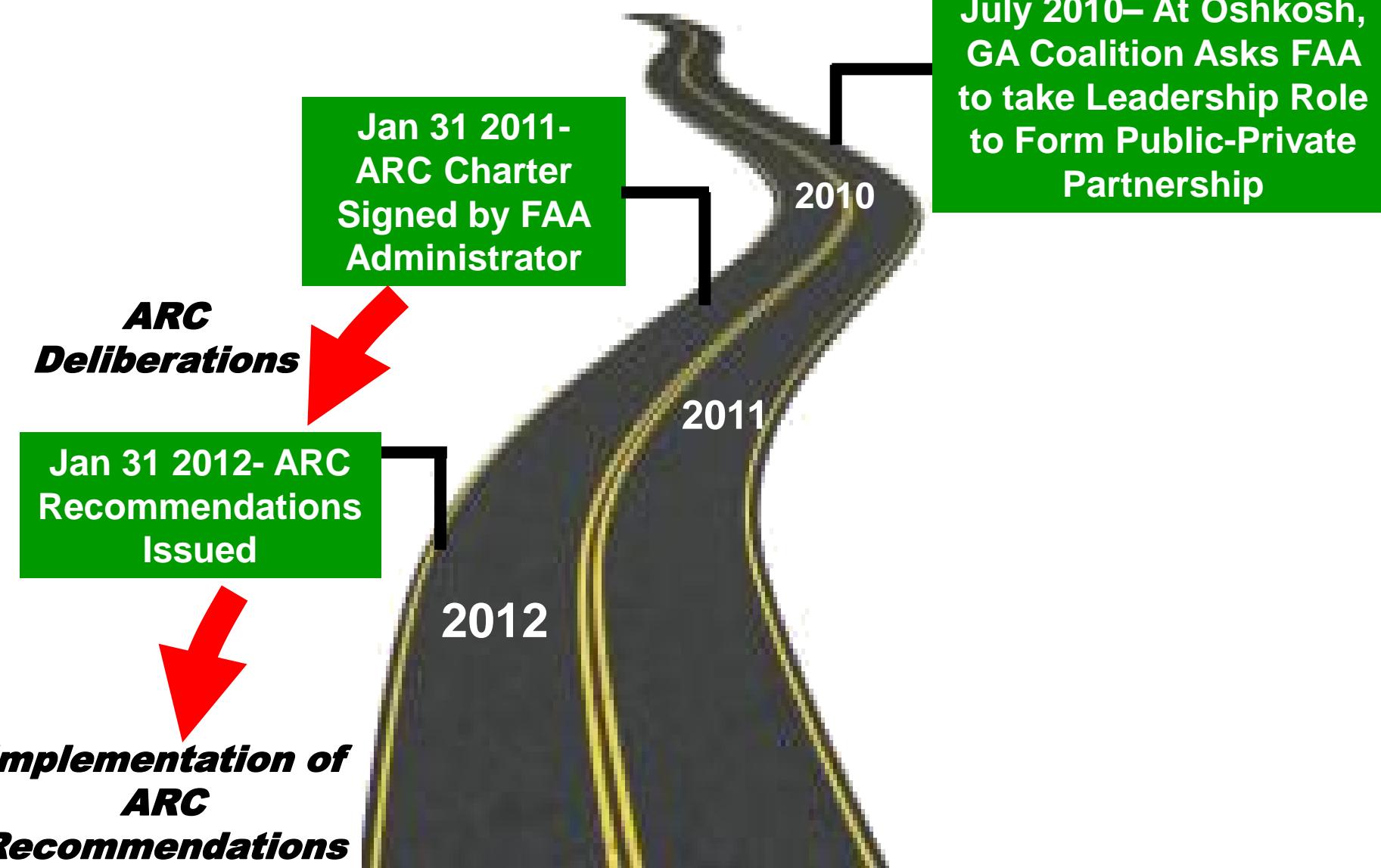
## Outcomes

## Performance Metrics

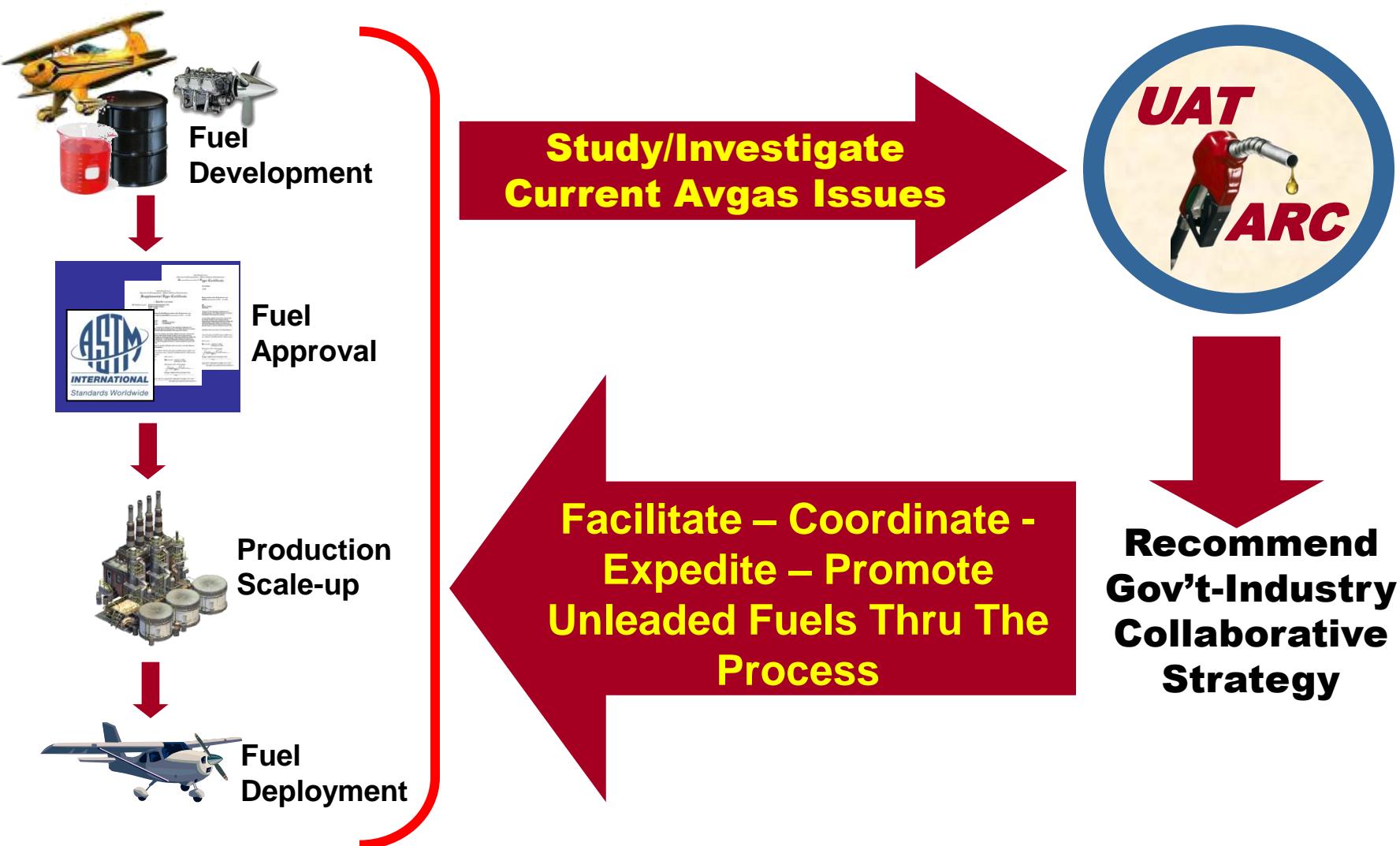
# FAA Support of Unleaded Avgas Transition

- **UAT Aviation Rulemaking Committee (UAT ARC)**
- **FAA Reauthorization Bill Line Item**
- **Fuels Program Office**

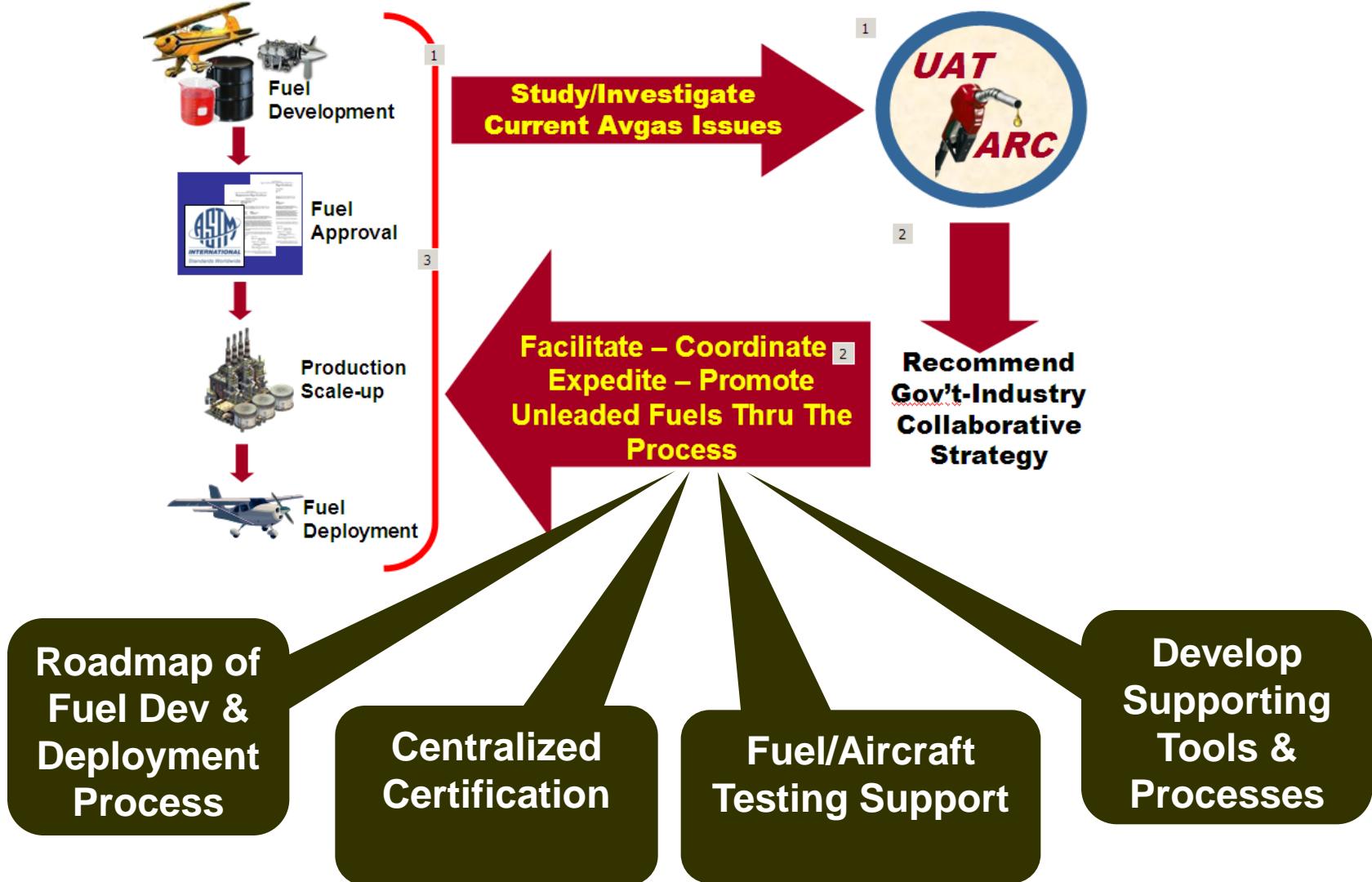
# UAT ARC



# Basic Concept for UAT ARC Process



# UAT ARC Key Recommendations



# UAT ARC Final Report Available to Public At:

[http://www.faa.gov/regulations\\_policies/rulemaking/committees/documents/index.cfm/document/information/documentID/882](http://www.faa.gov/regulations_policies/rulemaking/committees/documents/index.cfm/document/information/documentID/882)

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# FAA Reauthorization Bill Line Item

- **2012 FAA Modernization and Reform Act**
  - Legislation Enacted in February, 2012
  - Establishes FAA Programs and Associated Funding
- **Section 910**
  - Aviation Fuel Research and Development Program
  - Support qualification of an unleaded aviation fuel
  - Support safe transition to this fuel
  - Assess Certification Methods
  - Assess Engine Technologies Necessary to Operate with Unleaded Avgas
  - Recommend Policies and Guidelines to Support Transition
  - Collaborate with Industry Groups and Other Federal Agencies

# Fuels Program Office

- **AIR-20**
  - Top Level Aircraft Certification Office
    - Reports Directly to Service Director
- **Established in September, 2012**
- **Assigned Responsibilities**
  - Oversee implementation of the UAT Action Plan
  - Standardization of avgas regulations, policy and certification
  - Centralize expertise for fuels certification programs.
  - Coordinate research and development activities

# Thank You... Questions?



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