# Alternative Jet Fuel Qualification

#### CAAFI Mini Symposium June 3, 2021

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# **Presentation Overview**

# Why Does ASTM Specification Issuance = Approval to Fly?







#### **Over a Decade of Progress**

#### Commercial Aviation Alternative Fuel Initiative (see www.caafi.org)





#### 2. ASTM D4054 Evaluation Process





### **Alternative Jet Fuels Must Be Drop-in Fuels**

#### Formulate New Fuel to Meet Design & Operational Requirements of Existing Fleet of Engines & Aircraft





# **ASTM D4054 Evaluation Process**



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Federal Aviation Administration

## **Process Improvement: D4054 Clearinghouse**



## Process Improvement: D4054 Fast Track Annex



Lite Testing Program For AJF's with Nominal Jet Fuel Properties and Compositions

*Limited to a 10% Blend Percentage* 



#### Process Improvement: Alternative Jet Fuel Pre-Screening





# **Thank You**



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# **Questions?**

