

General Aviation Joint Steering Committee  
FADEC (SCF-SE-48)

**Outreach Guidance Document**  
**2017/5-1-106 (I) PP**

This outreach guidance is provided to all FAA and aviation industry groups that are participating in outreach efforts sponsored by the General Aviation Joint Steering Committee (GAJSC). It is important that all outreach on a given topic is coordinated and is free of conflicts. Therefore, all outreach products should be in alignment with the outline and concepts listed below for this topic.

**Outreach Month: December 2017**

**Topic: FADEC (SCF SE 48)**

The FAA and industry will conduct a public education campaign emphasizing the benefits of FADEC (Full Authority Digital Engine Control) for General Aviation Aircraft.

**Background:**

The GAJSC has determined that a significant number of general aviation fatalities could be avoided if aircraft were equipped with FADEC. Decreased pilot workload and engine monitoring capability that can alert operators of engine problems are cited as advantages of FADEC. Full authority control also precludes operating engines beyond established limits.

**Teaching Points:**

- Discuss the advantages and disadvantages of FADEC, EEC (Electronic Engine Control) and electronic ignition systems
- Encourage aircraft owners and operators to consider electronic engine control options.

**References:**

- ***FADEC Power Point***  
Available on the National FAASTeam Share Point site under Approved Resources.
- Advisory Circular (AC) No: 33.28-1 Compliance Criteria for 14CFR§33.28 Aircraft Engines, Electrical and Electronic Engine Control Systems
- Wikipedia FADEC article <https://en.wikipedia.org/wiki/FADEC>

**IMPORTANT** – Once you have completed outreach on this topic, please help us track the outreach you have done by entering a PTRS record.

PTRS Activity Code	National Use	Primary Area	Key word	Description	Performance Target	Due Date	LDR 12XXFAAST
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2685	NPP14	K	032	Promote "Topic of the Month" within the FSDO area	1 per FSDO per month	09/15/18	OR0100
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