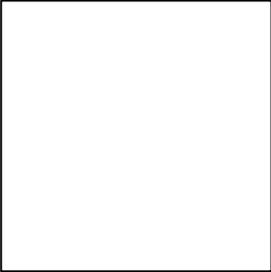


---

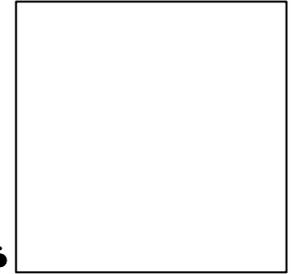


# Streamlining Seat Certification Published Policy

Thomas Stafford  
Seattle ACO, ANM-150S

# Streamlining Seats Certification

---

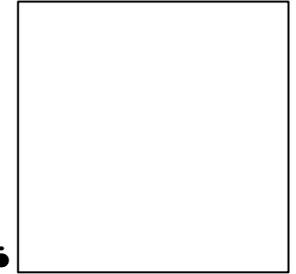


## Published Policy:

- Seat In-Arm Video Systems (IVS Abuse Load Testing)
- Dynamic Seat Certification by Analysis (Advisory Circular 20–146)
- Use of Aerospace Recommended Practice ARP 5526

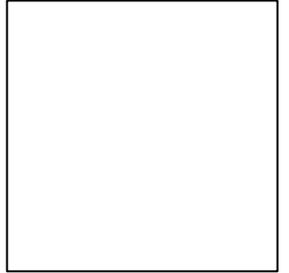
# Streamlining Seats Certification

---



## Policy in work:

- **Conducting Component Level Tests to Demonstrate Compliance with §§ 25.785(b) and (d).**
- **Use of Surrogate Parts When Evaluating Seatbacks and Seatback Mounted Accessories for Compliance with §§ 25.562(c)(5) and 25.785(b) and (d).**
- **Component Tests of in-arm monitors**
- **Obtaining TSO-C127a approval after TSO-C39b + aircraft installation approval (Provide status - This item has been ended due to a lack of broad interest by industry).**
- **Seat Stowage Compartment / Literature Pockets Policy**
- **Head Component Testing for HIC**
- **Cushion Component Testing for Lumbar**

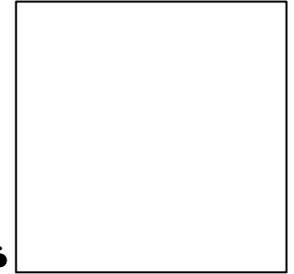


---

# In-Seat Video Systems

# Seat In-Arm Video Systems

---

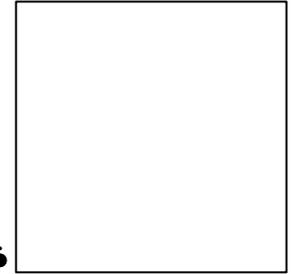


## Policy:

- FAA Memorandums
  - 01-115-32, May 30, 2001
  - 01-115-38, September 12, 2001
  - 02-115-21, November 21, 2002

# Seat In-Arm Video Systems

---

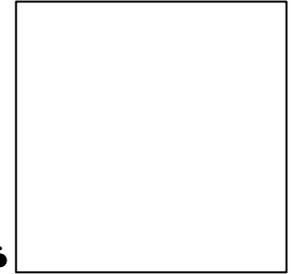


## Policy:

- Applies to 14 CFR's 25.601, 25.785, 25.789 &/or 25.813.
- Provides for use of Industry Standards in Seat Certification
- Specifically ARP 5475
- Simplified documentation

# Seat In-Arm Video Systems

---

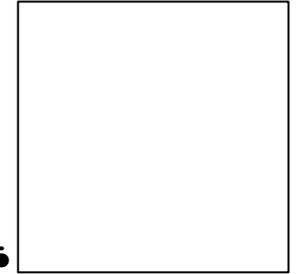


## Summary:

- Intent of policy: reduce regulatory burden
- Seat manufacturer statement to be provided to applicant for type design change
- ARP 5475 does not address all part 25 requirements which may be applicable to the system

# Seat In-Arm Video Systems

---

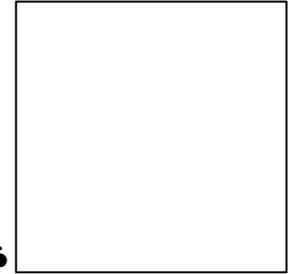


## **Conclusion:** 01-115-38

- When a statement is provided by the seat manufacturer, that the seat has met the pass fail criteria in ARP 5475, it is not necessary for the FAA engineer *or* designee to further review the installation with respect to the issues covered under the scope of ARP 5475.

# Seat In-Arm Video Systems

---



## **Conclusion: 02-115-21**

- When a statement is provided by the seat manufacturer, that the seat has met the pass fail criteria of 25.789 and all deployable IVS item remain stowed, it is not necessary for the FAA engineer *or* designee to further review the installation with respect to the issues covered under the scope of FAA Memorandum 02-115-21 dated November, 21 2002.