

<b>Task:</b> M4.1.33 Evaluate a 14 CFR Part 121 Emergency Evacuation/Ditching Demonstration for an Assigned Aircraft Model													
<b>Function:</b> 4.0 General Technical													
<b>Duty:</b> 4.1 Aircraft Evaluation													
<b>Previous Task Analysis:</b>						<b>Difficulty:</b> 4				<b>Criticality:</b> Y			
						<b>Importance:</b> 5				<b>Time:</b>			
						<b>Frequency:</b> 1				<b>Job Aid:</b> Y			
<b>PTRS Tracking</b>						<b>Specialty</b>							
3308						S	O	M	E	F	A	C	T
5308								P			P		

**Legal References:**

49 USC § 40113	Administrative
49 USC § 44701	General Requirements
49 USC § 44702	Issuance of Certificates
49 USC § 44704	Type Certificates, Production Certificates, and Airworthiness Certificates
49 USC § 44705	Air Carrier Operating Certificates
49 USC § 44713	Inspection and Maintenance

**Purpose:**

To demonstrate aircraft's ability to accomplish an emergency evacuation in accordance with current specified test criteria and regulatory requirements

**Significant Interfaces:**

Applicant/Original Equipment Manufacturer  
Certificate Holding District Office  
Flight Standards District Office  
Air Transportation Division, AFS-200  
Flight Standards Service, AFS-1  
Aircraft Certification Office  
Aircraft Evaluation Group  
Accountable Directorate

**Procedural Guidance:**

14 CFR Part 23	Airworthiness Standards: Normal, Utility, Acrobatic, and Commuter Category Airplanes
14 CFR Part 25	Airworthiness Standards: Transport Category Airplanes
14 CFR Part 29	Airworthiness Standards: Transport Category Rotorcraft
14 CFR Part 121	Operating Requirements: Domestic, Flag, and Supplemental Operations
14 CFR Part 125	Certification and Operations: Airplanes Having a Seating Capacity of 20 or More Passengers or a Maximum Payload Capacity of 6,000 Pounds or More; and Rules Governing Persons on Board such Aircraft
Order 1380.51	Program Tracking and Reporting Subsystem
Order 8300.10	Airworthiness Inspector's Handbook
AC 20-118	Emergency Evacuation Demonstration

AC 25-17  
AC 25.803-1  
AC 121-24

Transport Airplane Cabin Interiors Crashworthiness Handbook  
Emergency Evacuation Demonstrations  
Passenger Safety Information Briefing and Briefing Cards

NOTE: DynaComm (Policy Subsystem Document) should be searched to determine other applicable guidance required to perform this task.

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1. Upon notification by applicant/Aircraft Certification Office (ACO) that an aircraft is available for a test emergency evacuation demonstration
  - 1.1 Determine the need for an emergency evacuation demonstration
  - 1.2 Evaluate the certificate holder's notification for use of a certain type and model of airplane to determine if an emergency evacuation demonstration is required
    - K: 14 CFR Part 23
    - K: 14 CFR Part 25
    - K: 14 CFR Part 29
    - K: 14 CFR Part 121
    - K: Order 8300.10, Vol. 2, Chap. 77, Sec. 2
    - K: AC 25.803-1
  - 1.3 Determine which 14 CFR parts are applicable for the demonstration
    - K: Order 8300.10, Vol. 2, Chap. 77, Sec. 2
    - K: AC 25-17
    - K: AC 25.803.1
  - 1.4 Open PTRS record
    - K: Order 1380.51
2. Establish the demonstration requirements based on certificate holder's new or existing status
  - K: 14 CFR Part 121
  - K: Order 8300.10, Vol. 2, Chap. 77, Sec. 2
  - 2.1 Determine the demonstration requirements for a new certificate holder
    - K: Order 8300.10, Vol. 2, Chap. 77, Sec. 2
  - 2.2 Determine the demonstration requirements for an existing certificate holder
    - K: Order 8300.10, Vol. 2, Chap. 77, Sec. 2
3. Schedule meeting with the certificate holder
  - 3.1 Discuss the requirements for the demonstration
    - K: 14 CFR Part 121, Appendix D
    - K: AC 25.803-1
  - 3.2 Establish communications liaison with the certificate holder

- 3.3 Outline the required contents of the certificate holder's plan  
K: Order 8300.10, Vol. 2, Chap. 77, Sec. 2  
K: AC 25.803-1
4. Conduct a cursory evaluation of the certificate holder's plan  
K: Order 8300.10, Vol. 2, Chap. 77, Sec. 2
5. Conduct a detailed analysis of the certificate holder's plan  
K: Order 8300.10, Vol. 2, Chap. 77, Sec. 2
6. Conduct the predemonstration meeting for the FAA team  
K: Order 8300.10, Vol. 2, Chap. 77, Sec. 2  
K: AC 25.803-1
7. Conduct the predemonstration meeting with the certificate holder  
K: Order 8300.10, Vol. 2, Chap. 77, Sec. 2
8. Perform the predemonstration briefing  
K: Order 8300.10, Vol. 2, Chap. 77, Sec. 2
- 8.1 Monitor the certificate holder's briefing of the participating crewmembers  
K: Order 8300.10, Vol. 2, Chap. 77, Sec. 2
- 8.2 Monitor the certificate holder's briefing of the passengers, if required  
K: Order 8300.10, Vol. 2, Chap. 77, Sec. 2  
K: AC 25.803-1
- 8.3 Conduct FAA team briefing  
K: Order 8300.10, Vol. 2, Chap. 77, Sec. 2
9. Observe and evaluate the emergency evacuation demonstration  
K: 14 CFR Part 121, Appendix D  
K: Order 8300.10, Vol. 2, Chap. 77, Sec. 2  
K: AC 25.803-1
- 9.1 Ensure procedure for operation of emergency exits is correct and accurate on placard, in Instructions for Continued Airworthiness and Flight Manual
- 9.2 Ensure egress from aircraft is satisfactory
- 9.3 Conduct a post-demonstration meeting.  
K: Order 8300.10, Vol. 2, Chap. 77, Sec. 2
10. Document the results of the emergency evacuation demonstration and amend operations specified

- 10.1 Advise the certificate holder of the results of the demonstration  
K: Order 8300.10, Vol. 2, Chap. 77, Sec. 2
  - 10.2 Complete the emergency evacuation demonstration report  
K: Order 8300.10, Vol. 2, Chap. 77, Sec. 2
  - 10.3 Distribute the results of the emergency evacuation demonstration  
K: Order 8300.10, Vol. 2, Chap. 77, Sec. 2
  - 10.4 Advise ACO of any issues as a result of the emergency evacuation demonstration
11. Close PTRS record  
K: Order 1380.51

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