

AIRWORTHINESS COMPLIANCE CHECKLIST:

INSTALLATION OF AN ELT

I HAVE DETERMINED THE PLANNED ALTERATION TO BE IN COMPLIANCE WITH PARAGRAPH C, CHECKLIST APPLICABILITY.

IA SIGNATURE _____ DATE _____

AIRCRAFT MAKE _____ MODEL _____

SERIAL # N# _____

Installation of an ELT - Checklist Qualifications for DER Data Review

Item [1] Completed Initials	Planned FAA Approval Method Pick 1, [2]			Subject Evaluated	(14 CFR)	(CAR)	Item to Consider or Intent of the regulation	DER Authorit y [3] (ref. 8110.37	Other Guidance	
	DER 8110-3	FSDO ASI, 337, Block 3	Other (AC 43.13)						AC Orders Policy	AC 43- 13-1B/2A
				Factor of safety	23.303	3.172	Insures adequate reserve strength of the structure			
				Proof of Structure	23.307	3.174	Insures adequate strength of the modified structure			
				Flight Loads	23.301	3.181	Defines the strength requirements Often not Critical			
				Design and Construction	23.601	3.291	Insures adequate strength of modified structure			
				Materials and Workmanship	23.603	3.292	Requires that aviation quality materials be utilized			
				Fabrication Methods	23.605	3.293	Requires the use of approved fabrication methods			
				Fasteners	23.607	3.294	Specifies certain fastener requirements Use structural fasteners			
				Protection	23.609	3.295	Requires the design to provide for protection of the structure (corrosion, weather etc.)			
				Special Factors	23.619	3.302	Requires higher strength designs for certain cases			
				Emergency Landing Conditions	23.561	3.386	Defines the emergency load requirements Typically highest loads, except for down Only if located in the cabin area			

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DER Identify	DER Authority (Ref Order 8110.37 Appendix 2)	Identify other DER disciplines possibly required.

DER Signatures

a. Checklist Table. This checklist is issued for guidance purposes to help show completeness of documentation for the FAA field approval and return to service process. The checklist is intended to provide guidance information during the process of approving the installation of an ELT and then returning the airplane to service. An airplane modification is eligible to use this checklist when it has met the requirements outlined in paragraph 8 of this AC.

b. Approval. Modifications meeting the scope described in paragraph ‘c.’ may be approved by using this checklist and completing FAA Form 337. The IA can approve this modification and the airplane incorporating it for return to service using DER data entirely approved by completing Block 7, “Approval for Return to Service” of FAA Form 337. The FAA usage of Block 3, “For FAA Use Only” will not be required to accomplish this checklist for modifications, which falls within the scope of paragraph c providing that no data approval is required by AFS/ASI.

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- c. Airworthiness Compliance Checklist Applicability.** This checklist is to be used only on repairs or alterations to:
- Airplanes 6,000 pounds or less maximum gross weight
 - Airplanes having a single, naturally aspirated reciprocating piston engine
 - Unpressurized airplanes.
- d. Checklist Use.** Inspect the alteration criteria and examine its supporting data to verify that they meet the following criteria:
- (1) Appropriate operations advisory information should be included in the Aircraft Flight Manual (AFM) of Flight Manual Supplement (FMS).

NOTE 1

This checklist is not applicable to modifications requiring revision of the FAA approved Limitations section of the AFM or FMS. Please contact FAA Flight Standards District Office (FSDO) or Aircraft Certification Office (ACO) representatives for modifications requiring revision of the Limitations section. However, in accordance with 14 CFR, part 23, § 23.1581 (b)(2)(ii), Operational advisory information as prescribed in §§ 23.1585 through 23.1589, may be inserted into the AFM or FMS in a manner acceptable to the administrator. The FAA has determined that, for modifications within the scope described on this checklist, operational advisory information can be inserted into the AFM or FMS if it is determined to be acceptable by the IA. The IA's finding should include consideration of information provide by applicable equipment manufactures, if available.

- (2) Any additional Instructions for Continued Airworthiness (ICA) are properly documented per 14 CFR, part 23, § 23.1529 requirements.

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e. Necessary Approvals.

- (1) DER's should initial all applicable items in Table 1-1, "Checklist and Qualifications for DER Data Review".
- (2) DER's should sign the table in Table 1-2, "DER Signatures".
- (3) DER's show evidence of DER authority as required in paragraph g.
- (4) DER's show compliance to any additional DER identified requirements in Table 1-1.
- (5) DER's selects and identifies applicable regulations based on certification basis of airplane.
- (6) When all FAA Form 8110-3's are complete, give originals along with the completed FAA Form 337 to local FSDO office.
- (7) An ACO Engineer or FSDO Inspector may sign in place of any DER signature.
- (8) When indicated on individual checklists A & P and IA's signatures can be substituted

f. Applicable Guidance Material.

g. Evidence of DER Authority to Approve.

- h. Complete Checklist Process.** Send a copy of the completed checklist and reporting data to the local FSDO office which will, in turn, forward it to the FAA Aircraft Registration Branch, Oklahoma City, Oklahoma, for inclusion in the aircraft record. Submit originals to the aircraft owner or operator to be kept with the aircraft records.

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