



# Single Element Process Checklist

An FAA form 8110-3 may only be issued for material tested in the "as installed state" in support of a FAA Project or major repair & alteration. A completed FAA form 8130-9 and test specimen drawing must be included for each specimen submitted if an 8110-3 is being requested.

Company Name:	Contact Name:		
Phone:	E-Mail:		
Date Sent:	P.O. #:		
Aircraft Make:	Model:	S/N #:	Tail #:

**TEST DATA IS IN SUPPORT OF (As Required):**    Field Approval    Major Repair    Major Alteration    Minor Repair  
 Minor Alteration    Supplemental Type Certificate (STC)    Type Certificate (TC)    Technical Standard Order (STC)

**TYPES OF SINGLE ELEMENT TESTS AVAILABLE:**

- |   |   |  |  |
|---|---|--|--|
| 1. <b>Horizontal</b> 23.853                                   | 2. <b>Horizontal</b> 25.853(a) App F Part 1(a)(1)(iv) | 3. <b>Horizontal</b> 25.853 (a)App F Part 1(a)(1)(v) |  |
| 4. <b>12-Second Vertical</b> 25.853(a) App F Part 1(a)(1)(ii) | 5. <b>60-Second Vertical</b> 25.853(a) App F Part 1   |  |  |
| 6. <b>45-Degree Angle</b> 25.855(d) App F Part 1              | 7. <b>60-Degree Wire</b> 25.869(a) App F Part 1       |  |  |

**Option Request DER Signature:**                      Yes                      No

**REQUIREMENTS FOR SPECIMENS TO BE TESTED:**

**Horizontals, 12- and 60-Second Verticals:** Woven specimens (fabric, carpet, etc.) three strips, 3" x 12" cut from across the roll **AND** three strips, 3" x 12" cut from up the roll. Non-woven specimens (leather, vinyl, plastic, foam, etc.) three strips, 3" x 12".  
**45-Degree Angle:** Three specimens, 8½" x 8½". **60-Degree Wire:** Three specimens, 34" long.

**PLEASE LABEL SAMPLES TO BE TESTED WITH THE CORRESPONDING ITEM NUMBER:**

ITEM # 1	TEST TYPE TO BE PERFORMED: #	TEST TYPE TO BE PERFORMED: #	ITEM # 2
	MFR./VENDOR:	MFR./VENDOR:	
	PATTERN:	PATTERN:	
	PART #:	PART#:	
	COLOR:	COLOR:	
	WIRE GAUGE:	WIRE GAUGE:	
	DYE LOT # / LOT #:	DYE LOT # / LOT #:	
	REF. #:	REF. #:	
MATERIAL LOCATION:		MATERIAL LOCATION:	
ITEM # 3	TEST TYPE TO BE PERFORMED: #	TEST TYPE TO BE PERFORMED: #	ITEM # 4
	MFR./VENDOR:	MFR./VENDOR:	
	PATTERN:	PATTERN:	
	PART#:	PART#:	
	COLOR:	COLOR:	
	WIRE GAUGE:	WIRE GAUGE:	
	DYE LOT # / LOT #:	DYE LOT # / LOT #:	
	REF#:	REF#:	
MATERIAL LOCATION:		MATERIAL LOCATION:	

\*CERTIFICATION FOR PART 27 AND PART 29 ROTORCRAFT (HELICOPTER) AND PART 23 COMMUTER CATEGORY IS ALSO AVAILABLE  
 FL 106-07 Rev. K Release Date: 08/08/22