

Approved Model List
for
Curtiss-Wright Fortress Flight Recorder
as a Crash Survivable Recording System

STC ST01070DE

FAA APPROVED MODEL LIST
STC ST01070DE

1. Revision Log

Revision	Pages	Description	FAA Approval	Date
IR	ALL	Initial Release NOTE: This revision contains a Cover Page, page ii, and pages 1-5	Robert C. Jones Acting Manager, Denver ACO Branch Compliance and Airworthiness Division	Original Issue August 24, 2021
A	1 2-3 5-6	Clarified description of type design change. Added Models. Corrected referenced Table numbers.	 Digitally signed by AUGUST A ASAY Date: 2023.04.13 13:26:22 -08'00' for Greg Delibero Manager, West Certification Branch Compliance & Airworthiness Division Aircraft Certification Service	April 13, 2023

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2. Introduction

This document is the Federal Aviation Administration (FAA) Approved Model List (AML) for Supplemental Type Certificate (STC) Number ST01070DE, for the installation of the Curtiss-Wright Fortress Flight Recorder as a Crash Survivable Recording System with Cockpit Voice Recorder and Class C Cockpit Image Recorder functions, and Dukane Seacom Underwater Locating Device on eligible airplanes listed in Section 4.

Revisions to the AML must be coordinated between the STC holder and the responsible ACO Branch, and require FAA approval.

This AML is only applicable to the 14 CFR Part 25 airplanes listed in Section 4. Installations in 14 CFR Part 23, Part 27, and Part 29 aircraft are not authorized under this AML.

This AML assumes the following equipment is already installed on each airplane eligible for this proposed modification.

1. Cockpit Voice Recorder (CVR)

3. Certification Basis

The certification basis for each qualified model is specified in the type certificate data sheet (TCDS) and modified by the amendment levels noted in the appendix identified in the approved model list of Section 4.

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4. Approved Model List

#	Make (TC Holder)	Model	TC Number	Certification Basis	Applicable Serial Numbers	Master Drawing List/Date	AFM Supplement Number/Date	Instructions for Continued Airworthiness	Initial Approval / Amendment Date
1	BAe (Textron)	Bae.125 Series 800A Bae.125 Series 800B Bae.125 Series 1000A Bae.125 Series 1000B	A3EU	14 CFR 25 per TCDS as amended by Appendix A	All	E-SJ-20-0002 Rev G, dated 05/26/21, or later FAA approved revision	E-SJ-20-0009 Rev IR, dated 2/10/21, or later FAA approved revision	E-SJ-20-0008 Rev IR, dated 05/05/21, or later FAA approved revision	Original Issue (see Revision Log)
2	Beech (Textron)	400 400A 400T	A16SW	14 CFR 25 per TCDS as amended by Appendix A	All	E-SJ-20-0002 Rev M, dated 03/13/23, or later FAA approved revision	E-SJ-20-0009 Rev A, dated 03/16/23, or later FAA approved revision	E-SJ-20-0008 Rev C, dated 03/14/23, or later FAA approved revision	Rev A (see Revision Log)
3	Cessna (Textron)	550	A22CE	14 CFR 25 per TCDS as amended by Appendix A	550-0001 thru 550-0505, and 550-0550 thru 550-0800	E-SJ-20-0002 Rev M, dated 03/13/23, or later FAA approved revision	E-SJ-20-0009 Rev A, dated 03/16/23, or later FAA approved revision	E-SJ-20-0008 Rev C, dated 03/14/23, or later FAA approved revision	Rev A (see Revision Log)
4	Cessna (Textron)	S550	A22CE	14 CFR 25 per TCDS as amended by Appendix A	All	E-SJ-20-0002 Rev M, dated 03/13/23, or later FAA approved revision	E-SJ-20-0009 Rev A, dated 03/16/23, or later FAA approved revision	E-SJ-20-0008 Rev C, dated 03/14/23, or later FAA approved revision	Rev A (see Revision Log)
5	Cessna (Textron)	560	A22CE	14 CFR 25 per TCDS as amended by Appendix A	560-0001 thru 560-0538	E-SJ-20-0002 Rev M, dated 03/13/23, or later FAA approved revision	E-SJ-20-0009 Rev A, dated 03/16/23, or later FAA approved revision	E-SJ-20-0008 Rev C, dated 03/14/23, or later FAA approved revision	Rev A (see Revision Log)
6	Cessna (Textron)	650	A9NM	14 CFR 25 per TCDS as amended by Appendix A	All	E-SJ-20-0002 Rev M, dated 03/13/23, or later FAA approved revision	E-SJ-20-0009 Rev A, dated 03/16/23, or later FAA approved revision	E-SJ-20-0008 Rev C, dated 03/14/23, or later FAA approved revision	Rev A (see Revision Log)
7	Cessna (Textron)	750	T00007WI	14 CFR 25 per TCDS as amended by Appendix C	750-0001 thru 750-0500	E-SJ-20-0002 Rev G, dated 05/26/21, or later FAA approved revision	E-SJ-20-0009 Rev IR, dated 2/10/21, or later FAA approved revision	E-SJ-20-0008 Rev IR, dated 05/05/21, or later FAA approved revision	Original Issue (see Revision Log)
8	Hawker (Textron)	Hawker 750 Hawker 800 Hawker 800XP Hawker 850XP Hawker 900XP Hawker 1000	A3EU	14 CFR 25 per TCDS as amended by Appendix A	All	E-SJ-20-0002 Rev G, dated 05/26/21, or later FAA approved revision	E-SJ-20-0009 Rev IR, dated 2/10/21, or later FAA approved revision	E-SJ-20-0008 Rev IR, dated 05/05/21, or later FAA approved revision	Original Issue (see Revision Log)

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#	Make (TC Holder)	Model	TC Number	Certification Basis	Applicable Serial Numbers	Master Drawing List/Date	AFM Supplement Number/Date	Instructions for Continued Airworthiness	Initial Approval / Amendment Date
9	Hawker Siddeley (Textron)	HS.125 Series 700A HS.125 Series 700B	A3EU	14 CFR 25 per TCDS as amended by Appendix A	All	E-SJ-20-0002 Rev M, dated 03/13/23, or later FAA approved revision	E-SJ-20-0009 Rev A, dated 03/16/23, or later FAA approved revision	E-SJ-20-0008 Rev C, dated 03/14/23, or later FAA approved revision	Rev A (see Revision Log)
10	Learjet	31 31A 35 35A (C-21A) 36 36A	A10CE	14 CFR 25 per TCDS as amended by Appendix A	All	E-SJ-20-0002 Rev G, dated 05/26/21, or later FAA approved revision	E-SJ-20-0009 Rev IR, dated 2/10/21, or later FAA approved revision	E-SJ-20-0008 Rev IR, dated 05/05/21, or later FAA approved revision	Original Issue (see Revision Log)
11	Learjet	55 55B 55C 60	A10CE	14 CFR 25 per TCDS as amended by Appendix A	All	E-SJ-20-0002 Rev M, dated 03/13/23, or later FAA approved revision	E-SJ-20-0009 Rev A, dated 03/16/23, or later FAA approved revision	E-SJ-20-0008 Rev C, dated 03/14/23, or later FAA approved revision	Rev A (see Revision Log)
12	Learjet	45	T00008W1	14 CFR 25 per TCDS as amended by Appendix B	All	E-SJ-20-0002 Rev G, dated 05/26/21, or later FAA approved revision	E-SJ-20-0009 Rev IR, dated 2/10/21, or later FAA approved revision	E-SJ-20-0008 Rev IR, dated 05/05/21, or later FAA approved revision	Original Issue (see Revision Log)
13	Mitsubishi (Textron)	MU300-10	A16SW	14 CFR 25 per TCDS as amended by Appendix A	All	E-SJ-20-0002 Rev M, dated 03/13/23, or later FAA approved revision	E-SJ-20-0009 Rev A, dated 03/16/23, or later FAA approved revision	E-SJ-20-0008 Rev C, dated 03/14/23, or later FAA approved revision	Rev A (see Revision Log)

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Appendix A

Based on 14 CFR § 21.115 and 21.101, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis is as follows:

- a. As determined by the Type Certificate Data Sheet (TCDS) of the aircraft for parts **not changed or not affected** by this STC.
- b. Regulations at the amendment levels listed in Table 1 below for parts **changed or affected** by the STC since the reference date of application.
- c. Special Conditions numbered 1 through 6 as defined by draft Advisory Circular 20-192, Guidance on Testing and Installation of Non-rechargeable Lithium cells, Batteries and Batteries within End Items, applicable to all make/models listed in this appendix.

Table 1: Certification Basis Including Amendments

Regulations	Amdt.	Regulations	Amdt.
§ 25.301	25-23	§ 25.771(a)(c)	25-4
§ 25.303	25-23	§ 25.773(a)	25-72
§ 25.305	25-77	§ 25.777(a)	25-46
§ 25.307	25-72	§ 25.853(a)	25-72
§ 25.337	25-23	§ 25.869(a)(4)	25-72
§ 25.341	25-72	§ 25.1301 (a)(b)(c)(d)	25-0
§ 25.473	25-23	§ 25.1309 (a)(b)(d)(e)	25-41
§ 25.561(c)	25-64	§ 25.1321(d)(e)	25-41
§ 25.601	25-0	§ 25.1322(d)	25-38
§ 25.603	25-46	§ 25.1351(a)	25-72
§ 25.605	25-46	§ 25.1353(a)	25-42
§ 25.607	25-23	§ 25.1357(a)(c)(d)(e)	25-0
§ 25.609	25-0	§ 25.1431(a)(c)	25-0
§ 25.611	25-23	§ 25.1457(a)(b)(c)(d)(e)(f)(g)	25-65
§ 25.613	25-72	§ 25.1529	25-54
§ 25.619	25-23	§ 25.1555(a)	25-0
§ 25.625(a)(b)(c)	25-72	§ 25.1581	25-72
§ 25.671(a)	25-23	§ 25.1583(c)	25-72

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Appendix B

Based on 14 CFR § 21.115 and 21.101, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis is as follows:

- a. As determined by the Type Certificate Data Sheet (TCDS) of the aircraft for parts **not changed or not affected** by this STC.
- b. Regulations at the amendment levels listed in Table 2 below for parts **changed or affected** by the STC since the reference date of application, August 5, 2020.
- c. Special Conditions 25-707-SC dated January 4, 2018 for Non-rechargeable Lithium Battery Installations numbered 1 through 6 are included in this certification basis for the Learjet 45.

Table 2: Certification Basis Including Amendments

Regulations	Amdt.
§ 25.301	25-23
§ 25.303	25-23
§ 25.305	25-77
§ 25.307	25-72
§ 25.337	25-23
§ 25.341	25-72
§ 25.473	25-23
§ 25.561(c)	25-64
§ 25.601	25-0
§ 25.603	25-46
§ 25.605	25-46
§ 25.607	25-23
§ 25.609	25-0
§ 25.611	25-23
§ 25.613	25-72
§ 25.619	25-23
§ 25.625(a)(b)(c)	25-72
§ 25.671(a)	25-23

Regulations	Amdt.
§ 25.771(a)(c)	25-4
§ 25.773(a)	25-72
§ 25.777(a)	25-46
§ 25.853(a)	25-72
§ 25.869(a)(4)	25-72
§ 25.1301 (a)(b)(c)(d)	25-0
§ 25.1309 (a)(b)(d)(e)	25-41
§ 25.1321(d)(e)	25-41
§ 25.1322(d)	25-38
§ 25.1351(a)	25-72
§ 25.1353(a)	25-42
§ 25.1357(a)(c)(d)(e)	25-0
§ 25.1431(a)(c)	25-0
§ 25.1457(a)(b)(c)(d)(e)(f)(g)	25-65
§ 25.1529	25-54
§ 25.1555(a)	25-0
§ 25.1581	25-72
§ 25.1583(c)	25-72

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Appendix C

Based on 14 CFR § 21.115 and 21.101, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis is as follows:

- a. As determined by the Type Certificate Data Sheet (TCDS) of the aircraft for parts **not changed or not affected** by this STC.
- b. Regulations at the amendment levels listed in Table 3 below for parts **changed or affected** by the STC since the reference date of application, August 5, 2020.
- c. Special Conditions 25-686-SC dated May 31, 2017 for Non-rechargeable Lithium Battery Installations numbered 1 through 6 are included in this certification basis for the Cessna 750.

Table 3: Certification Basis Including Amendments

Regulations	Amdt.	Regulations	Amdt.
§ 25.301	25-23	§ 25.771(a)(c)	25-4
§ 25.303	25-23	§ 25.773(a)	25-72
§ 25.305	25-77	§ 25.777(a)	25-46
§ 25.307	25-72	§ 25.853(a)	25-72
§ 25.337	25-23	§ 25.869(a)(4)	25-72
§ 25.341	25-72	§ 25.1301 (a)(b)(c)(d)	25-0
§ 25.473	25-23	§ 25.1309 (a)(b)(d)(e)	25-41
§ 25.561(c)	25-64	§ 25.1321(d)(e)	25-41
§ 25.601	25-0	§ 25.1322(d)	25-38
§ 25.603	25-46	§ 25.1351(a)	25-72
§ 25.605	25-46	§ 25.1353(a)	25-42
§ 25.607	25-23	§ 25.1357(a)(c)(d)(e)	25-0
§ 25.609	25-0	§ 25.1431(a)(c)	25-0
§ 25.611	25-23	§ 25.1457(a)(b)(c)(d)(e)(f)(g)	25-65
§ 25.613	25-72	§ 25.1529	25-54
§ 25.619	25-23	§ 25.1555(a)	25-0
§ 25.625(a)(b)(c)	25-72	§ 25.1581	25-72
§ 25.671(a)	25-23	§ 25.1583(c)	25-72