

Approved Model List (AML) For

CMA-6800 Multi-Purpose Liquid Crystal Display

Peregrine

STC No. ST00813DE

FAA Approved: _____


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1. Revision Log

Revision	Pages	Description	FAA Approval	Date
IR	Cover, ii, 1-6	Initial Release	 _____ Program Manager, Denver Aircraft Certification Office Federal Aviation Administration Transport Airplane Directorate Date: <u>5-23-16</u>	Original Issue May 23, 2016

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2. Introduction

This document is the Federal Aviation Administration (FAA) Approved Model List (AML) for Supplemental Type Certificate (STC) Number ST00813DE, for installing eligible replacements of the Esterline CMC Electronics CMA-6800 Multi-Purpose Liquid Crystal Display (LCD) into approved aircraft models. Eligible replacement part numbers are listed in Section 4, and approved models are listed in Section 5.

Revisions to this AML must be coordinated between the STC holder and the responsible Aircraft Certification Office (ACO), and require FAA approval.

This AML is only applicable to the 14 CFR, Part 25 aircraft listed in Section 5. Installations in 14 CFR Part 23, Part 27, Part 29 and other Part 25 aircraft are not authorized under this AML.

This AML assumes a previously approved installation of the following equipment already exists on each airplane eligible for this modification. The following equipment must be properly interfaced to meet the intended function of the system, as certified under this AML approval.

1. Honeywell (formerly Sperry) ED-800 cathode ray tube (CRT) display with one of the following part numbers:
 - i. 7003110-901 (with or without 7005400-901 inclinometer), or
 - ii. 7003110-902 (with or without 7005400-902 inclinometer).

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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 5 below.

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4. Approved Equipment and Configuration

This STC allows for the replacement of Honeywell (formerly Sperry) ED-800 CRT displays with Esterline LCDs as identified in Table 1 below:

Table 1: Eligible Replacement Equipment

Honeywell Part Number	Esterline CMC Electronics Part Number
7003110-901 EFIS Display, Grey Bezel	100-604045-001 Electronic Display, Grey Bezel
7003110-902 EFIS Display, Black Bezel	100-604045-002 Electronic Display, Black Bezel
7005400-901 Inclinator, Grey	241-601240-001 Slip Indicator/Inclinator, Gray
7005400-902 Inclinator, Black	241-601240-002 Slip Indicator/Inclinator, Black

The replacement LCDs may be installed in any of the configurations as identified in Table 2 below:

Table 2: Eligible STC Configurations

STC Configuration	Esterline CMC Electronics Part Number
Single Flight Display Replacement	Any pilot or co-pilot EADI or EHSI position
Dual Flight Display Replacement	Pilot only EADI and EHSI position
Four Flight Display Replacement	Pilot and co-pilot EADI and EHSI position
Multi-Function Display (MFD) Replacement	Center MFD position independent of or in combination with any of the above configurations

The software listed in Table 3 below must be loaded in each LCD for proper operation:

Table 3: Required Software Versions

Field Loadable Software	Software Part Number
SOFTWARE CONFIG ID	169-616301-001 Mod A (or later Mod)
FPGA CONFIG ID	169-616320-001 Mod A (or later Mod)
EEPROM CONFIG ID	169-616397-003 (initial release or later Mod)

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5. Approved Model List

Item	Aircraft Make	Aircraft Model	TC Data Sheet	Certification Basis	Master Drawing List/Date	AFM Supplement Number/Date	Notes	Initial Approval / Amendment Date
1.	Beechcraft	BAe.125 Series 800A, BAe.125 Series 800B, BAe.125 Series 1000A, BAe.125 Series 1000B, Hawker 800, Hawker 800XP, Hawker 1000,	A3EU Rev 42	CAR 4b and 14 CFR 25 per TCDS as amended by Appendix A	Peregrine Doc. No. E-DI-15-0002, Rev. A, dated 03/11/16, or later FAA approved revision.	Peregrine Doc. No. E-DI-15-0009, Initial Release, May 20, 2016, or later FAA approved revision.	(1)	Initial Approval May 23, 2016
2.	Bombardier Inc.	CL-215-6B11 (CL415 Variant)	A14EA Rev 10	14 CFR 25 per TCDS as amended by Appendix A	Peregrine Doc. No. E-DI-15-0002, Rev. A, dated 03/11/16, or later FAA approved revision.	Peregrine Doc. No. E-DI-15-0009, Initial Release, May 20, 2016, or later FAA approved revision.	(1)	Initial Approval May 23, 2016
3.	Bombardier, Inc.	CL-600-2A12 (CL-601), CL-600-2B16 (CL-601-3A Variant) CL-600-2B16 (CL-601-3R Variant)	A21EA Rev 35	14 CFR 25 per TCDS as amended by Appendix A	Peregrine Doc. No. E-DI-15-0002, Rev. A, dated 03/11/16, or later FAA approved revision.	Peregrine Doc. No. E-DI-15-0009, Initial Release, May 20, 2016, or later FAA approved revision.	(1)	Initial Approval May 23, 2016
4.	Bombardier	DHC-8-100 Series DHC-8-200 Series DHC-8-300 Series	A13NM Rev 20	14 CFR 25 per TCDS as amended by Appendix A	Peregrine Doc. No. E-DI-15-0002, Rev. A, dated 03/11/16, or later FAA approved revision.	Peregrine Doc. No. E-DI-15-0009, Initial Release, May 20, 2016, or later FAA approved revision.	(1)	Initial Approval May 23, 2016
5.	Cessna	650	A9NM Rev 26	14 CFR 25 per TCDS as amended by Appendix A	Peregrine Doc. No. E-DI-15-0002, Rev. A, dated 03/11/16, or later FAA approved revision.	Peregrine Doc. No. E-DI-15-0009, Initial Release, May 20, 2016, or later FAA approved revision.	(1)	Initial Approval May 23, 2016

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Item	Aircraft Make	Aircraft Model	TC Data Sheet	Certification Basis	Master Drawing List/Date	AFM Supplement Number/Date	Notes	Initial Approval / Amendment Date
6.	Dassault Aviation	Mystere-Falcon 900	A46EU Rev 17	14 CFR 25 per TCDS as amended by Appendix A	Peregrine Doc. No. E-DJ-15-0002, Rev. A, dated 03/11/16, or later FAA approved revision.	Peregrine Doc. No. E-DJ-15-0009, Initial Release, May 20, 2016, or later FAA approved revision.	(1) (2)	Initial Approval May 23, 2016
7.	Fokker	F.27 Mark 050	A-817 Rev 21	14 CFR 25 per TCDS as amended by Appendix A	Peregrine Doc. No. E-DJ-15-0002, Rev. A, dated 03/11/16, or later FAA approved revision.	Peregrine Doc. No. E-DJ-15-0009, Initial Release, May 20, 2016, or later FAA approved revision.	(1) (3)	Initial Approval May 23, 2016
8.	Gulfstream	G-1159A	A12EA Rev 46	14 CFR 25 per TCDS as amended by Appendix A	Peregrine Doc. No. E-DJ-15-0002, Rev. A, dated 03/11/16, or later FAA approved revision.	Peregrine Doc. No. E-DJ-15-0009, Initial Release, May 20, 2016, or later FAA approved revision.	(1)	Initial Approval May 23, 2016

NOTE(S):

- (1) Eligible serial numbers are those identified in the type certificate data sheet (TCDS) as eligible.
- (2) Eligible serial numbers are those that have been examined, tested and found to conform with the type design approval under the TC specified in the TCDS.
- (3) Eligible serial numbers are those that have been examined, tested, and found to comply with the Fokker Type Design approved under the U.S. TC No. A-817, and to be in a condition for safe operation.

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Appendix A: All Models

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 STC application, April 3, 2015.

Table 3: Certification Basis Including Amendments.

Regulations	Amdt.
§ 25.301	25-23
§ 25.303	25-23
§ 25.305	25-54
§ 25.307	25-54
§ 25.337	25-23
§ 25.341	25-0
§ 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	25-46
§ 25.619	25-23
§ 25.625	25-23
§ 25.771 (a)	25-4

Regulations	Amdt.
§ 25.773 (a)	25-46
§ 25.777 (a)	25-46
§ 25.1301	25-0
§ 25.1303 (b)(4)(5)	25-38
§ 25.1309 (a)(b)(c)(d)(g)	25-41
§ 25.1321 (a)(b)(1)(4)(d)(e)	25-41
§ 25.1322	25-38
§ 25.1333 (b)	25-41
§ 25.1335	25-41
§ 25.1351 (a)	25-41
§ 25.1357 (e)	25-0
§ 25.1381 (a)(b)	25-0
§ 25.1431 (a)(c)	25-0
§ 25.1555 (a)	25-0
§ 25.1581 (a)	25-42