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Department of Transport

# Supplemental Type Certificate

**This approval is issued to:**

PAL Aerospace  
7681 Hwy 27 Unit 1  
Vaughan, Ontario  
Canada L4L 4M5

**Number:** O-LSA21-004/D

**Issue No.:** 4

**Approval Date:** June 17, 2021

**Issue Date:** March 04, 2024

**Responsible Office:**

Ontario

**Aircraft/Engine Type or Model:**

De Havilland Aircraft of Canada DHC-8-106

**Serial No.:**

314

**Canadian Type Certificate or Equivalent:**

A-142 (De Havilland Aircraft of Canada DHC-8-106)

**Description of Type Design Change:**

Dutch Caribbean Coast Guard (DCCG) Mission Systems Upgrade

**Installation/Operating Data,  
Required Equipment and Limitations:**

Installation must be in accordance with PAL Aerospace (DECA Aviation) Master Data List MDL21079, Revision 2, TCCA approved February 23, 2024, or later TCCA approved revision.

Operation must be in accordance with PAL Aerospace (DECA Aviation) Flight Manual Supplement FMS21079, Revision 1, TCCA approved February 23, 2024, or later TCCA approved revision.

Maintenance must be in accordance with TCCA accepted PAL Aerospace (DECA Aviation) Instructions for Continued Airworthiness ICA21079, Revision 1, dated February 20, 2024, or later TCCA accepted revision.

Mandatory inspection intervals are to be in accordance with PAL Aerospace (DECA Aviation) Airworthiness Limitations document AWL21079-01, Revision 1, TCCA approved February 23, 2024, or later TCCA approved revision.

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**Conditions:** This approval is only applicable to the type/model of aeronautical product specified therein. Prior to incorporating this modification, the installer shall establish that the interrelationship between this change and any other modification(s) incorporated **will not** adversely affect the airworthiness of the modified product.



*Trevor Mulder*  
T. Mulder, DE#7 DAO#99-O-01  
For Minister of Transport

Canada



NOTE: THIS ADDENDUM SHALL REMAIN PART OF THE CERTIFICATE REFERRED TO THEREIN.

The following are required to be installed prior to or in conjunction with the MDL21079 design:

APPROVAL NO.	STC TITLE / DESCRIPTION	HOLDER
O-LSA07-275	Survey Installation	Northeast Engineering & Development Limited
SA11-57	Dual Universal UNS-1Ew FMS Installation	Avmax
SA14-50	Transponder Upgrade for ADS-B Out	Avmax
SA01-68	SAF-T-GLO Photoluminescent Escape Path Marking System	STG Aerospace Inc.
A-LSA22-119/D	Cabin Observer Window Installation	PAL Aerospace
A-LSA19-031/D	Observer Window Installation (Emerg. Exit)	PAL Aerospace

**Certification Basis**

The certification basis as specified in Type Certificate Data Sheet No: A-142 (Issue 44) for the DHC-8-106 is applicable to the Dutch Caribbean Coast Guard (DCCG) Mission System Upgrades, with the following deviations:

FAR Part 25	Title
25.1529 Amd: 25-54	Instructions for Continued Airworthiness (supplements)
25.1701 Amd: 25-123	Definition
25.1703 Amd: 25-123	Function and Installation
25.1705 Amd: 25-123	Systems and Functions
25.1707 Amd: 25-123	System Separation: EWIS
25.1709 Amd: 25-123	System Safety: EWIS



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25.1711 Amd: 25-123	Component Identification: EWIS
25.1713 Amd: 25-123	Fire Protection: EWIS
25.1715 Amd: 25-123	Electrical Bonding and Protection against Static Electricity: EWIS
25.1717 Amd: 25-123	Circuit Protective Devices: EWIS
25.1719 Amd: 25-123	Accessibility Provisions: EWIS
25.1721 Amd: 25-123	Protection of EWIS
25.1723 Amd: 25-123	Flammable Fluid Fire Protection: EWIS
25.1725 Amd: 25-123	Powerplants: EWIS
25.1727 Amd: 25-123	Flammable Fluid Shutoff means: EWIS
25.1729 Amd: 25-123	Instructions for Continued Airworthiness: EWIS
25.1731 Amd: 25-123	Powerplant and APU fire Detector System: EWIS
25.1733 Amd: 25-123	Fire Detector Systems, General: EWIS

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