



NATIONAL TRANSPORTATION SAFETY BOARD

Office of Aviation Safety
Washington, D.C. 20594

June 20, 2016

AIRWORTHINESS

Group Chairman's Factual Report

ANC15MA041

**Attachment 2 – Operation Specifications for Maintenance
(14 pages)**

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Part D

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D073 . Approved Aircraft Inspection Program (AAIP)

HQ Control: 02/20/1998

HQ Revision: 00b

The certificate holder is authorized to use each aircraft listed in the following table for Title 14 CFR Part 135 operations provided each aircraft listed is inspected in accordance with the certificate holder's Approved Aircraft Inspection Program (AAIP).

Registration Number	Serial Number	Aircraft M/M/S	Maintenance Document	Time Limitations Document
N9LB	252	DHC-2-MKI	PM Air General Maintenance Manual	Annex C, DHC-2, AAIP Limitations
N1108Q	416	DHC-2-MKI	PM Air General Maintenance Manual	Annex C, DHC-2, AAIP Limitations
N64397	760	DHC-2-MKI	PM Air General Maintenance Manual	Annex C, DHC-2, AAIP Limitations
N64393	845	DHC-2-MKI	PM Air General Maintenance Manual	Annex C, DHC-2, AAIP Limitations
N92AK	1031	DHC-2-MKI	PM Air General Maintenance Manual	Annex C, DHC-2, AAIP Limitations
N959PA	159	DHC-3-3	PM Air General Maintenance Manual	Annex A, DHC-3, AAIP Limitations
N435B	183	DHC-3-3	PM Air General Maintenance Manual	Annex A, DHC-3, AAIP Limitations
N3952B	225	DHC-3-3	PM Air General Maintenance Manual	Annex A, DHC-3, AAIP Limitations
N270PA	270	DHC-3-3	PM Air General Maintenance Manual	Annex A, DHC-3, AAIP Limitations
N409PA	409	DHC-3-3	PM Air General Maintenance Manual	Annex A, DHC-3, AAIP Limitations
N379PM	379	DHC-3-3	PM Air General Maintenance Manual	Annex A, DHC-3, AAIP Limitations

1. The Certificate Holder applies for the Operations in this paragraph.
2. These Operations Specifications are approved by direction of the Administrator.



Digitally signed by Gregory W Horrell, Principal Maintenance Inspector (AL05)
[1] EFFECTIVE DATE: 6/5/2014, [2] AMENDMENT #: 10
DATE: 2014.06.05 18:29:50 -05:00

3. I hereby accept and receive the Operations Specifications in this paragraph.

6-5-14

Hassell, Clark R., Director of Operations

Date

D085 . Aircraft Listing

HQ Control: 02/06/1998

HQ Revision: 02a

a. The certificate holder is authorized to conduct operations under 14 CFR Part 135 using the aircraft identified on this operations specification.

Registration No.	Serial No.	Aircraft M/M/S
N1108Q	416	DHC-2-MKI
N64393	845	DHC-2-MKI
N64397	760	DHC-2-MKI
N92AK	1031	DHC-2-MKI
N9LB	252	DHC-2-MKI
N270PA	270	DHC-3-3
N379PM	379	DHC-3-3
N3952B	225	DHC-3-3
N409PA	409	DHC-3-3
N435B	183	DHC-3-3
N959PA	159	DHC-3-3

1. The Certificate Holder applies for the Operations in this paragraph.
2. These Operations Specifications are approved by direction of the Administrator.



Digitally signed by Gregory W Horrell, Principal Maintenance Inspector (AL05)
[1] EFFECTIVE DATE: 6/5/2014, [2] AMENDMENT #: 15
DATE: 2014.06.05 18:28:49 -05:00

3. I hereby accept and receive the Operations Specifications in this paragraph.

Hassell, Clark R., Director of Operations

6-5-14
Date

D101. Additional Maintenance Requirements - Aircraft Engine, Propeller, and Propeller Control (Governor) **HQ Control: 08/22/00**
HQ Revision: 000

The certificate holder is authorized to use the following aircraft type identified below in its 14 CFR Part 135 nine seats or less operations provided these aircraft have met the additional maintenance requirements of Section 135.421:

- a. Aircraft Engine. Each installed engine, to include turbosuperchargers, appurtenances and accessories necessary for its functioning shall be maintained in accordance with the maintenance documents listed in the following table. The engine shall be overhauled on or before the time-in-service interval shown in the table.
- b. Propeller and Propeller Control (governor). Each installed propeller and propeller control components supplied by its manufacturer shall be maintained in accordance with the maintenance documents listed in the following table. The propeller and propeller control shall be overhauled on or before the time-in-service interval shown in the table.

Aircraft Engine, Propeller, and Propeller Control (Governor)

Airplane Type M/M/S	Engine			Propeller			Governor		
	Make & Model	Maintenance Document	Time-in-Service Interval	Make & Model	Maintenance Document	Time-in-Service Interval	Make & Model	Maintenance Document	Time-in-Service Interval
DHC-2-MKI	Pratt and Whitney R985-AN14B	P&W Service Manual #1186611 and Dehavilland manual #PSM 1-2-2	1600 hours	Hartzell HCB3R30-4B	Harzell Manual #161 and DHC Manual PSM 1-2-2	2000 hours or 60 calendar months whichever occurs first	Harzell C-4-2	Harzell Manual #106 and DHC Manual PSM 1-2-2	2000 hours
DHC-2-MKI	Pratt and Whitney R985-AN14B	P&W Service Manual #1186611 and Dehavilland manual #PSM 1-2-2	1600 hours	Hamilton Standard 2D30	Hamilton Standard Manual 110D, SB 33580A, and DHC Manual PSM 1-2-2	1000 hours	Woodward 1A2G5	Hamilton Standard Manual #110D and DHC Manual PSM 1-2-2	1600 hours

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Airplane Type M/M/S	Engine			Propeller			Governor		
	Make & Model	Maintenance Document	Time-in-Service Interval	Make & Model	Maintenance Document	Time-in-Service Interval	Make & Model	Maintenance Document	Time-in-Service Interval
DHC-2-MKI	Pratt and Whitney R985-AN39A	P&W Service Manual #1186611 and Dehavilland manual #PSM 1-2-2	1600 hours	Hartzell HCB3R30-4B	Harzell Manual #161 and DHC Manual PSM 1-2-2	2000 hours or 60 calendar months whichever occurs first	Harzell C-4-2	Harzell Manual #106 and DHC Manual PSM 1-2-2	2000 hours
DHC-3-3	Pratt and Whitney PT6A-34	Pratt and Whitney Manuals number 3021242 and 3021244	On Condition per PM Air, LLC General Maintenance Manual section 2.400. Time Limitations per Section 5.100	Harzell HC-B3TN-3DY	Harzell Manuals #126 and 139	3000 hours or 72 calendar months whichever occurs first	Woodward 8210-003	Woodward Manual SB 33580	4500 hours
DHC-3-3	Pratt and Whitney PT6A-135A	Pratt and Whitney Manuals number 3043512 and 3043514	On Condition per PM Air, LLC General Maintenance Manual section 2.400. Time Limitations per Section 5.100	Harzell HC-B3TN-3DY	Harzell Manuals #126 and 139	3000 hours or 72 calendar months whichever occurs first	Woodward 8210-025	Woodward Manual SB 33580	4500 hours

1. Issued by the Federal Aviation Administration.
2. Support information reference:
3. These Operations Specifications are approved by direction of the Administrator.

Wisner, Charles E.

Principal Maintenance Inspector

AL05

4. Date Approval is effective: 9/30/08

Amendment Number: 5

5. I hereby accept and receive the Operations Specifications in this paragraph.

Sessoms, Marcus T.

Dir. of Operations, Part 135

Date: 9/30/08

D104 . Additional Maintenance Requirements - Emergency Equipment

HQ Control: 05/10/2004

HQ Revision: 00a

The certificate holder is authorized to use the following emergency equipment in its 14 CFR Part 135 nine seats or less operations, provided the applicable aircraft have met the additional maintenance requirements of Section 135.421:

- a. Emergency equipment. Each item of installed emergency equipment shall be maintained in accordance with the manufacturer's maintenance documents and/or the limitations and provisions listed in the following table.
- (1) In addition to the maintenance document listed in this table, the following specifications must be followed for the applicable listed emergency equipment items:
- (a) Oxygen (O2) bottles and liquid fire extinguishers. Inspections, hydrostatic tests, and life limits of pressure vessels manufactured under a DOT specification are accomplished as set forth in 49 CFR Part 180.209, as amended.
 - (b) Fire extinguishers. Inspections, hydrostatic tests, and life limits of portable fire extinguishers are accomplished as set forth in 46 CFR Sections 71.25 and 162.028, as amended.
 - (c) Military-manufactured. Pressure vessels manufactured under a MIL-SPEC are maintained in accordance with the applicable military specifications.
 - (d) Foreign-manufactured. Foreign-manufactured pressure cylinders are maintained in accordance with the applicable foreign manufacturer's specifications.
 - (e) Other. Pressure cylinders not manufactured under DOT, foreign, or U.S. MIL-SPECS are maintained in accordance with the applicable aircraft manufacturer's specifications.

Emergency Equipment

Emergency Equipment Items	Maintenance Document	Limitations and Provisions
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Operations Specifications

Emergency Equipment Items	Maintenance Document	Limitations and Provisions
Switlik AV-8 Life Vest	Manufacturer's Current Service Instructions	24 calendar months when inspected by properly certificated repair station and sealed in tamper proof bag. Otherwise 12 calendar months
Eastern Aero Marine GA-12 Life Vest	Manufacturer's Current Service Instructions	24 calendar months when inspected by properly certificated repair station and sealed in tamper proof bag. Otherwise 12 calendar months
Eastern Aero Marine KSE-35L8 Heli Life Vest	Manufacturer's Current Service Instructions	63 calendar months from date of manufacture and thereafter each 60 calendar months when inspected by properly certificated repair station and packed in pouch
Halitron 1, Halon 1211, 1301 or approved blend Fire Extinguisher	PM Air GMM and placarded instructions	Every 12 calendar months

U.S. Department
of Transportation
Federal Aviation
Administration

Operations Specifications

1. The Certificate Holder applies for the Operations in this paragraph.
2. Support information reference:
3. These Operations Specifications are approved by direction of the Administrator.



2011.05.16 16:29:22 Central Daylight Time
Location: WebOPSS
Digitally signed by Gregory W Horrell,
Principal Maintenance Inspector (AL05)

4. Date Approval is effective: 05/16/2011 Amendment Number: 2
5. I hereby accept and receive the Operations Specifications in this paragraph.

Grace, Robert D., Director of Maintenance



Date: 05/16/2011

D106. Aircraft in Long-Term Maintenance or Storage

HQ Control: 07/03/03
HQ Revision: 000

- a. The air carrier's operations specifications associated with the aircraft listed in Table 1 are temporarily suspended, with the exception of section "D" OpSpec paragraphs. This suspension becomes effective beginning at 11:59 p.m. on the day of the month identified in Table 1 as the "End of Operation" and remains in suspense until the aircraft is removed from Table 1.
- (1) The air carrier is not authorized to operate the aircraft identified in Table 1 in air transportation while the operations specifications are in suspension; and shall not operate those aircraft in air transportation operations unless liability insurance pursuant to Part 205 is in effect.
- (2) The air carrier is not required to have liability insurance in force for those aircraft listed in Table 1 while the operations specifications are temporarily suspended in accordance with this operation specification.
- b. The air carrier is required to reinstate the liability insurance for each aircraft listed in Table 1 prior to removing the aircraft from the list in Table 1 and returning it to operation.
- c. The notification and reporting requirements contained in 14 CFR Sections 205.4, 205.7 and 119.63 remain in effect and must be complied with at all times.
- d. The following table identifies the aircraft in which the air carrier's operations specifications with the exception of section "D" OpSpec paragraphs, are suspended.

Table 1

End of Operation	Registration Number	Serial Number
N/A	N/A	N/A

NOTE: OpSpec A004, Summary of Authorizations and Limitations, states: The air carrier is authorized to suspend its liability insurance for specific aircraft in long-term storage or maintenance.

1. Issued by the Federal Aviation Administration.
2. Support information reference:
3. These Operations Specifications are approved by direction of the Administrator.

For: Wisner, Charles E.

Principal Maintenance Inspector

AL05

4. Date Approval is effective: 5/1/08

Amendment Number: 7

5. I hereby accept and receive the Operations Specifications in this paragraph.

For: Grace, Robert D.

Dir. of Maintenance, Part 135

Date: 5/1/08

D485. Aging Airplane Inspection and Records Review

HQ Control: 07/09/08
HQ Revision: 00a

- a. The Aging Aircraft Safety Act of 1991 requires the Administrator to make inspections and review the maintenance and other records of each aircraft an air carrier uses to provide air transportation. The certificate holder who conducts operations under 14 CFR Part 121, Part 135, or Part 129 using the airplanes identified on this Operations Specification may not use those airplanes in air transportation unless inspections are accomplished as required by the applicable regulations in 14 CFR Part 121, Part 135, or Part 129, as applicable.
- b. The airplanes that this inspection and records review is applicable to include:
- (1) All Part 121 airplanes (14 CFR Section 121.1105)
 - (2) All Part 135 multi-engine airplanes used in scheduled service (14 CFR Section 135.422/423)
 - (3) All Part 129 U.S.-registered multi-engine airplanes (14 CFR Section 129.105).
- c. The airplanes that may be excluded from this inspection and records review are:
- (1) Airplanes operated solely within the state of Alaska
 - (2) Airplanes that are operated under 14 CFR Part 135 as "On-Demand"
 - (3) Airplanes in storage and not currently being operated under 14 CFR Part 121, 135, or 129 operations (However, the required records review and inspection must be accomplished before such airplanes in storage may be placed into service after the applicable compliance date in accordance with the sections of the CFR listed in subparagraph b above)
 - (4) Airplanes that have not reached the age of the required records review and inspection.
- d. This paragraph serves as notification to the FAA of completion of the required records review and airplane inspection to comply with the Aging Airplane Safety Act. Official Notification to the operator will be made by the CHDO and this date will be used to determine due date of next required inspection. Table 1 of this document must be completed as described in subparagraph e below.
- e. Paragraph Completion Instructions. *The following instructions are to be used to complete the required records and airplane inspection in Table 1 of this paragraph. Remember: ALL cells in the table MUST be filled out before activating the paragraph!*
- (1) *Load ALL airplanes in the certificate holder's Aircraft Authorization information into Columns 1, 2, 3 and 4.*
 - (2) For each airplane that requires this records review and inspection:
 - a. *Enter the date of airplane manufacture as indicated on the airframe data plate or the original airworthiness certificate, whichever is oldest, in Column 5.*
 - b. *Enter "Not Completed" in Column 6, Column 7, and Column 8, as applicable, to indicate that the inspection and/or records review has not yet been complete.*
 - c. *When the appropriate inspection is complete, insert the month and year of the accomplishment in Column 6 and Column 7, as applicable.*

d. When both inspections are complete, enter the date (month/year) that the official notification was sent to the certificate holder in Column 8.

(3) For airplanes that are operated solely within the state of Alaska:

- a. Load the airplanes in Columns 1 through 4 per Item (1) above.
- b. Select and enter "Alaska Intrastate-N/A" (for not applicable) in EACH of the following columns: Column 5, Column 6, Column 7, and Column 8.

(4) For airplanes that are operated under 14 CFR Part 135 as "On-Demand":

- a. Load the airplanes in Columns 1 through 4 per Item (1) above.
- b. Select and enter "On Demand (135)-N/A" (for not applicable) in EACH of the following columns: Column 5, Column 6, Column 7, and Column 8.

(5) For airplanes in storage that will not have the required records review and inspection accomplished:

- a. Load the airplanes in Columns 1 through 4 per Item (1) above.
- b. Enter the date of airplane manufacture as indicated on the airframe data plate or the original airworthiness certificate, whichever is oldest, in Column 5.
- c. Select and enter "Storage-Not Completed" in EACH of the following columns: Column 6, Column 7, and Column 8.

(6) For airplanes that have not reached the age where the required records review and inspection must be accomplished:

- a. Load the airplanes in Columns 1 through 4 per Item (1) above.
- b. Enter the date of airplane manufacture as indicated on the airframe data plate or the original airworthiness certificate, whichever is oldest, in Column 5.
- c. Select and enter "Below Threshold-N/A" (for not applicable) in EACH of the following columns: Column 6, Column 7, and Column 8.

f. Process the paragraph and activate it. This paragraph may be considered valid if completed, signed, and activated by the FAA. It does not require the signature of the operator for the paragraph and its data to be considered valid.

TABLE 1

(*These will be loaded from the Certificate Holder's Aircraft Authorization airplane information.)

*Registration No. (Col. 1)	*Serial No. (Col. 2)	*Nose Number, If Applicable (Col. 3)	*Airplane M/M/S (Col. 4)	Date of Airplane Manufacture (Col. 5)	Airplane Inspection Completed (Col. 6)	Records Review Completed (Col. 7)	Operator Notification (Col. 8)
No multi-engine airplanes in database	N/A	N/A	N/A	N/A	N/A	N/A	N/A

1. Issued by the Federal Aviation Administration.
2. Support information reference:
3. These Operations Specifications are approved by direction of the Administrator.

Wisner, Charles E. [REDACTED]

Principal Maintenance Inspector

AL05

4. Date Approval is effective: 9/30/08

Amendment Number: 3

5. I hereby accept and receive the Operations Specifications in this paragraph.

[REDACTED]
Sessoms, Marcus T.

Dir. of Operations, Part 135

Date: 9/30/08