



U.S. Department of Transportation
Federal Aviation Administration
Washington, DC

Master Minimum Equipment List (MMEL)

Revision: 4a
Date: XX/XX/XXXX

Pilatus Aircraft Ltd. PC-24

**** FOR 14 CFR PARTS 91, 125, and 135 OPERATIONS ONLY ****

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Flight Operations Evaluation Board (FOEB)

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REVISION NO. 4
DATE: 09/29/2022

PAGE NO. I

AIRCRAFT:
PC-24**TABLE OF CONTENTS AND CONTROL PAGE**

SYSTEM NO.	SYSTEM	PAGE NO.	REV NO.	DATE
--	Cover Page	--	4a	XX/XX/XXXX
--	Table of Contents and Control Page	I	4a	XX/XX/XXXX
--	Log of Revisions	II	4a	XX/XX/XXXX
--	Highlights of Change	III	4a	XX/XX/XXXX
--	Definitions	IV	4a	XX/XX/XXXX
--	Preamble	V	4a	XX/XX/XXXX
--	Guidelines for (M) and (O) Procedures	VI thru XII	4	09/29/2022
Section One	Line Replaceable Unit (LRU) Component Relief	1-1	4	09/29/2022
21	Air Conditioning	21-1 thru 3	4	09/29/2022
22	Autoflight	22-1	4a	XX/XX/XXXX
23	Communications	23-1 thru 6	4	09/29/2022
24	Electrical Power	24-1	4	09/29/2022
25	Equipment/Furnishings	25-1 thru 10	4	09/29/2022
26	Fire Protection	26-1	4	09/29/2022
27	Flight Controls	27-1 thru 3	4	09/29/2022
28	Fuel	28-1 thru 3	4	09/29/2022
30	Ice and Rain Protection	30-1 thru 2	4	09/29/2022
31	Indicating/Recording Systems	31-1 thru 3	4	09/29/2022
32	Landing Gear	32-1	4	09/29/2022
33	Lights	33-1 thru 3	3	10/01/2021
34	Navigation	34-1 thru 14	4	09/29/2022
35	Oxygen	35-1 thru 2	3	10/01/2021
36	Pneumatic	36-1 thru 2	4	09/29/2022
38	Water/Waste	38-1	1	02/20/2020
44	Cabin Systems	44-1	4	09/29/2022
45	Central Maintenance System	45-1	2	09/24/2020
46	Information Systems	46-1	4	09/29/2022
52	Doors	52-1	4	09/29/2022
73	Engine Fuel and Control	73-1	4	09/29/2022
79	Engine Oil	79-1	4	09/29/2022
Section Two	Crew Alerting System (CAS) Message Relief	2-1	4	09/29/2022
--	Statement Page	2-2	4	09/29/2022
--	CAS Messages	2-3 thru 11	4	09/29/2022

REVISION NO. 4a
DATE: XX/XX/XXXX

PAGE NO. II

AIRCRAFT:
PC-24

LOG OF REVISIONS

REV NO.	DATE	PAGE NO.
Original	10/06/2017	ALL PAGES.
1	02/20/2020	Cover Page, Table of Contents, Control Page, Log of Revisions, Highlights of Change, Definitions, Preamble, Guidelines for (M) and (O) Procedures, 21-1 thru 2, 23-5 thru 6, 25-1 thru 5, 27-1, 30-1, 33-1 thru 3, 34-1 thru 3, 34-10 thru 12, 35-2, 36-1, 38-1, 52-1, 73-1.
2	09/24/2020	Cover Page, Table of Contents, Control Page, Log of Revisions, Highlights of Change, Guidelines for (M) and (O) Procedures, 21-2, 22-1, 23-2, 24-1, 25-4, 27-2, 30-1, 32-1, 33-2 thru 3, 45-1, 46-1.
3	10/01/2021	Cover Page, Table of Contents, Control Page, Log of Revisions, Highlights of Change, Guidelines for (M) and (O) Procedures, 1-1, 21-2, 23-2, 23-6, 25-1 thru 3, 25-6, 25-8, 27-2, 28-1, 30-1, 31-1 thru 2, 32-1, 33-3, 34-1 thru 3, 34-9, 34-11 thru 12, 35-2, 36-1. SECTION 2: 2-1 thru 2-4.
4	09/29/2022	Cover Page, Table of Contents, Control Page, Log of Revisions, Highlights of Change, Guidelines for (M) and (O) Procedures, 21-1 thru 3, 22-1, 23-1 thru 2, 24-1, 25-6, 25-10, 26-1, 27-1 thru 3, 28-1 thru 3, 30-1 thru 2, 31-3, 32-1, 34-1 thru 4, 34-6, 34-14, 36-1 thru 2, 44-1, 46-1, 52-1, 73-1, 79-1. SECTION 2: 2-3 thru 2-11.
4a	XX/XX/XXXX	Cover Page, Table of Contents and Control Page, Log of Revisions, Highlights of Change, Definitions, Preamble, 22-1.

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION	MASTER MINIMUM EQUIPMENT LIST
REVISION NO. 4a DATE: XX/XX/XXXX	PAGE NO. III
AIRCRAFT: PC-24	HIGHLIGHTS OF CHANGE

The following changes are the Highlights of Changes for **Revision 4a**.

PAGE NO.	EXPLANATION OF CHANGE
General	Minor editorial corrections were made throughout the document that do not affect the reliefs and are not indicated with change bars. These editorial corrections may be adopted in Minimum Equipment Lists (MEL) at the operator's discretion.
ATA 22 Autoflight	
22-1	Item 22-10-04: Deleted a proviso.

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION	MASTER MINIMUM EQUIPMENT LIST
REVISION NO. 4a DATE: XX/XX/XXXX	PAGE NO. IV
AIRCRAFT: PC-24	DEFINITIONS

Refer to the current FAA MMEL Policy Letter 25, MMEL and MEL Definitions, found on the FAA Dynamic Regulatory System (DRS) website at drs.faa.gov.

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION	MASTER MINIMUM EQUIPMENT LIST
REVISION NO. 4a DATE: XX/XX/XXXX	PAGE NO. V
AIRCRAFT: PC-24	PREAMBLE

For operations under 14 CFR parts 91 subpart K (part 91K), 121, 125, 125 LODA, 129, and 135, refer to the current FAA MMEL Policy Letter PL-34, MMEL and MEL Preamble. For operations under 14 CFR part 91, refer to current FAA MMEL Policy Letter PL-36, 14 CFR Part 91 MEL Approval and Preamble. Both Policy Letters are found on the FAA Dynamic Regulatory System (DRS) website at drs.faa.gov.

REVISION NO. 4
DATE: 09/29/2022

PAGE NO. VI

AIRCRAFT:
PC-24**GUIDELINES FOR (M) AND (O) PROCEDURES**

The FOEB has identified a need for certain procedures to provide an adequate level of safety while providing relief for some items. These procedures must be established by the operator and may be based on the aircraft manufacturer's recommended procedures, Supplemental Type Certificate modifier's recommended procedures, or equivalent operator procedures. When recommended procedures are published, the operator should comply with these procedures. If recommended procedures are not published, the following guidelines delineate the aspects to be considered by the operator in the development of required procedures:

SEQUENCE NO.	PROCEDURE
21-20-08-01	Maintenance procedure to ensure air flow switch is deactivated.
21-20-08-02	Operations procedure to ensure safe operating procedures are used.
21-40-01	Operations procedure to deactivate the cockpit electrical heater.
21-40-02	Operations procedure to deactivate the cabin electrical heater.
21-60-01	Operations procedure to safely operate at or below FL 250.
21-60-02	Operations procedure to safely operate at or below FL 250.
21-60-05	Operations procedure to safely operate with one VFM inoperative.
21-60-03	Operations procedure to ensure that a bleed air OFF takeoff is performed and the PBIT of the bleed air SOVs is conducted before dispatch. Maintenance procedure to deactivate the dual heat exchanger fan.
21-80-01	Operations procedure to deactivate the cockpit evaporator fan.
21-80-02	Operations procedure to deactivate the cabin evaporator fan.
22-10-01	Maintenance procedure to deactivate the inoperative autopilot. Operations procedures to notify the pilot of any flight restrictions.
22-10-04	Maintenance procedure to deactivate the affected yaw damper.
22-30-01	Maintenance procedure to deactivate the Auto-throttle system.
23-00-01	Maintenance procedure to verify the co-pilot's PTT switch is inactive.
23-10-01	Operations procedure to ensure at least one HF radio is operative.
23-20-01	Operations procedures to ensure alternate procedures are used.

REVISION NO. 4
DATE: 09/29/2022

PAGE NO. VII

AIRCRAFT:
PC-24

GUIDELINES FOR (M) AND (O) PROCEDURES

SEQUENCE NO.	PROCEDURE
23-20-01-01	Operations procedures to ensure alternate procedures are used.
23-40-01	Operations procedures to provide alternate method of briefing passengers.
24-00-01	Maintenance procedure to deactivate.
24-20-01	Maintenance procedure to deactivate the associated inverter.
24-20-02	Maintenance procedure to deactivate the AC Power Outlets inverter.
25-20-01	Maintenance procedure to secure inoperative closets and wardrobes and deactivate galley equipment. Operations procedures to alert crewmembers and passengers of inoperative bins, compartments, or closets.
25-20-02	Maintenance procedure to secure inoperative storage doors.
25-21-01-01	Maintenance procedure to secure seat back in upright position.
25-21-01-02	Operation procedure to alert cabin crew of inoperative restraining bar.
25-21-01-05	Maintenance procedure to secure seat back in upright position.
25-30-01	Operation procedure to ensure microwave is deactivated and secure.
25-30-02	Maintenance procedure to ensure coffee maker is deactivated and secure.
25-30-03	Operation procedure to ensure galley electrical equipment is deactivated.
25-60-01	Operations procedure to alert crewmembers.
25-61-01	Operations procedure to alert crewmembers of inoperative or missing equipment. Maintenance procedure to placard and secure inoperative life jackets.
25-62-01-02	Maintenance procedure to deactivate the ELT.
25-66-01	Operations procedure to reseal a partially used first aid kit.
25-20-01	Maintenance procedure to secure inoperative closets and wardrobes and deactivate galley equipment. Operations procedures to alert crewmembers and passengers of inoperative bins, compartments, or closets.
25-20-02	Maintenance procedure to secure inoperative storage doors.

REVISION NO. 4
DATE: 09/29/2022

PAGE NO. VIII

AIRCRAFT:
PC-24

GUIDELINES FOR (M) AND (O) PROCEDURES

SEQUENCE NO.	PROCEDURE
25-21-01-01	Maintenance procedure to secure seat back in upright position.
25-21-01-02	Operation procedure to alert cabin crew of inoperative restraining bar.
25-21-01-05	Maintenance procedure to secure seat back in upright position.
25-30-01	Operation procedure to ensure microwave is deactivated and secure.
25-30-02	Maintenance procedure to ensure coffee maker is deactivated and secure.
25-30-03	Operation procedure to ensure galley electrical equipment is deactivated.
25-60-01	Operations procedure to alert crewmembers.
25-61-01	Operations procedure to alert crewmembers of inoperative or missing equipment. Maintenance procedure to placard and secure inoperative life jackets.
25-62-01-02	Maintenance procedure to deactivate the ELT.
25-66-01	Operations procedure to reseal a partially used first aid kit.
27-10-01	Operations procedure to disconnect the autopilot at 20-minute intervals to detect any developing fuel imbalance. Maintenance procedure to secure the trim tab to the NEUTRAL position.
27-10-02	Operations procedure to check for smooth movement of the aileron trim tab through the full range of travel, tab is set to takeoff position, and tab position is visually verified prior to departure. Operations procedure to disconnect the autopilot at 20-minute intervals to detect any developing fuel imbalance.
27-20-01	Operations procedure to check rudder trim tab for full range of travel, ensure operation is not restricted, tab is set to takeoff position, and tab position is visually verified prior to departure.
27-60-06	Operations procedure to make the flightcrew aware of the slight increase in the loads on primary flight controls. Maintenance procedure to electrically isolate both RAPS sensors.

REVISION NO. 4
DATE: 09/29/2022

PAGE NO. IX

AIRCRAFT:
PC-24

GUIDELINES FOR (M) AND (O) PROCEDURES

SEQUENCE NO.	PROCEDURE
27-60-07	Operations procedure to ensure performance penalties are applied, aircraft does not exceed .71 Mach, flight is conducted at or below FL 250, and operations do not require airbrakes. Maintenance procedure to inspect and deactivate MFS actuators.
27-60-08	Operations procedure to ensure that flight operations are not conducted on unpaved or contaminated runways, in known or forecast icing conditions, anti-skid system is operative and performance penalties are applied. Maintenance procedures to inspect GS panels and deactivate the actuators.
27-60-09	Operations procedure to ensure that flight operations are conducted safely in accordance with the listed provisos. Maintenance procedure to inspect and deactivate MFS actuators.
28-40-01	Operations procedure to ensure fuel level is verified and trim indicators are operative when one fuel quantity indicator is inoperative.
28-43-01	Operations procedure to ensure that alternate procedures are established.
28-60-01	Operations procedure to ensure that the fuel door is closed.
28-60-02	Operations procedure to verify that the Refuel panel is depowered.
28-60-03	Operations procedure to ensure that the Refuel/Defuel panel is deactivated.
30-10-01	Operations procedure to ensure that the flight is conducted at or below FL 250 and that the bleed selector switch is set to the operative SOV position.
30-10-03-02	Operations procedure to ensure that the correct bleed air source is selected and aircraft is not operated in icing conditions.
30-40-01	Maintenance procedure to deactivate the affected windshield heating normal System.
30-80-01-02	Operations procedure to ensure that all anti-ice systems are turned ON manually when icing conditions are encountered or anticipated.

REVISION NO. 4
DATE: 09/29/2022

PAGE NO. X

AIRCRAFT:
PC-24

GUIDELINES FOR (M) AND (O) PROCEDURES

SEQUENCE NO.	PROCEDURE
32-20-01	Maintenance procedure to inspect nose landing gear and nose wheel steering and ensure repairs are made within three flight legs.
32-30-01	Operations procedure to ensure that flight is conducted at temperatures above -55 °C SAT.
32-41-06	Operations procedure to ensure operations are not conducted on unpaved or contaminated runways, performance penalties are applied, and brakes and ground spoilers are operative. Maintenance procedure to deactivate the DACU.
32-41-07	Maintenance procedure to verify red button bypass indicator is in (not raised) before each flight.
33-20-02	Operations procedure to ensure that an alternate procedure is established to notify cabin occupants.
33-42-01-01	Operations procedure to verify the white strobe lights are operative.
34-16-01	Operations procedure to ensure that autopilot altitude capture is operative.
34-44-02	Operations procedure to ensure that an alternate procedure is established and used.
34-44-02-01	Operations procedure to ensure that an alternate procedure is established and used.
34-44-02-04	Operations procedure to ensure that an alternate procedure is established and used.
34-44-02-05	Operations procedure to ensure that an alternate procedure is established and used.
34-44-03	Operations procedure to ensure that an alternate procedure is established and used.
34-44-02-01	Operations procedure to ensure that an alternate procedure is established and used.
34-44-02-04	Operations procedure to ensure that an alternate procedure is established and used.
34-44-02-05	Operations procedure to ensure that an alternate procedure is established and used.
34-44-03	Operations procedure to ensure that an alternate procedure is established and used.

REVISION NO. 4
DATE: 09/29/2022

PAGE NO. XI

AIRCRAFT:
PC-24

GUIDELINES FOR (M) AND (O) PROCEDURES

SEQUENCE NO.	PROCEDURE
34-44-06	Operations procedure to ensure that an alternate procedure is established and used.
34-44-06-01	Operations procedure to ensure that an alternate procedure is established and used.
34-44-06-02	Operations procedure to ensure that repairs are made within 2 days.
34-44-06-04	Operations procedure to ensure that an alternate procedure is established and used.
34-44-06-05	Operations procedure to ensure that an alternate procedure is established and used.
34-44-10	Operations procedure to ensure that an alternate procedure is established and used.
34-45-01	Maintenance procedure to deactivate the TCAS II.
34-45-01-02	Operations procedure to ensure that TA ONLY mode is selected.
34-45-01-03	Operations procedure to ensure that RA visual display and audio functions are operative.
34-52-02	Operations procedure to ensure that an alternate procedure is established and used.
34-57-01	Operations procedure to ensure that an alternate procedure is established and used.
34-61-01	Operations procedure to ensure that an alternate procedure is established and used.
35-10-01-01	Operations procedure to ensure that the flightcrew is enough for the flight.
35-20-01	Operations procedure to ensure that the flight is conducted at or below 10,000 ft. MSL.
35-20-02	Operations procedure to ensure that the maximum operating altitude is limited to 10,000 ft. MSL.
35-20-03	Operations procedure to ensure that affected seats are blocked and placarded.
35-50-02	Operations procedure to ensure that procedures are established and used to alert crewmembers of inoperative portable oxygen cylinder(s). Maintenance procedure to placard inoperative portable oxygen cylinder(s).

REVISION NO. 4
DATE: 09/29/2022

PAGE NO. XII

AIRCRAFT:
PC-24

GUIDELINES FOR (M) AND (O) PROCEDURES

SEQUENCE NO.	PROCEDURE
36-10-01	Operations procedure to ensure that the flight is conducted at or below FL 250. Maintenance procedure to deactivate the bleed air SOV.
36-10-02	Operations procedure to ensure that the flight is conducted at or below FL 250 and to manually close the associated bleed air (SOV).
36-10-04	Operations procedure to ensure X-bleed is selected to CLOSE.
36-10-05	Operations procedure to ensure X-bleed is selected to CLOSE.
36-10-08	Operations procedure to ensure X-bleed is selected to CLOSE.
38-30-01	Maintenance procedure to drain, inspect, and deactivate the system and to secure toilet in the stowed position.
44-00-01	Maintenance procedure to deactivate the affected USB port(s).
46-20-10	Maintenance procedure to deactivate the WDLS.
52-70-01	Maintenance procedure to electrically isolate the cargo door actuation system.
73-30-01	Operations procedures to ensure safe operations without a fuel flow meter.
79-30-01	Maintenance procedure to verify pop-out indicator position before each flight.
79-30-02	Maintenance procedure to inspect for presence of oil debris before each flight.

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION	MASTER MINIMUM EQUIPMENT LIST
REVISION NO. 4 DATE: 09/29/2022	PAGE NO. 1-1
AIRCRAFT: PC-24	LRU COMPONENT RELIEF

SECTION ONE

LINE REPLACEABLE UNIT (LRU) COMPONENT RELIEF

REVISION NO. 4
DATE: 09/29/2022

PAGE NO. 21-1

AIRCRAFT:
PC-24

TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

21. Air Conditioning

Sequence No.	Item	1	2	3	4	Change Bar
20-01	Cockpit Mixer	C	1		May be inoperative provided the cockpit air distribution and temperature is acceptable to the flightcrew.	
20-02	Hot Air Distributer (HAD)	C	1		May be inoperative provided the cockpit air distribution and temperature is acceptable to the flightcrew.	
20-03	Zone Control Valve (ZCV)	C	1		May be inoperative provided the cockpit air distribution and temperature is acceptable to the flightcrew.	
20-08	Air Flow Switch	C	2		(O)(M) May be inoperative provided: <ol style="list-style-type: none"> a) Affected air flow switch is deactivated, and b) Both venturi flow meters (VFMs) are operative, c) Opposite side bleed source (L or R) is selected, d) X-bleed is selected to CLOSE, e) Operations are not conducted in known or forecast icing conditions, f) Flight is conducted at or below FL 250, and g) Both venturi flow meters (VFMs) are operative. 	
40-01	Cockpit Electric Heater	C	1		(O) May be inoperative provided: <ol style="list-style-type: none"> a) The cockpit air distribution and temperature is acceptable to the flightcrew, b) The cockpit electrical heater is deactivated, and c) Left bleed air system is operative 	

REVISION NO. 4
DATE: 09/29/2022

PAGE NO. 21-2

AIRCRAFT: PC-24	TABLE KEY 1. REPAIR CATEGORY 2. NO. INSTALLED 3. NO. REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS
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21. Air Conditioning

Sequence No.	Item	1	2	3	4	Change Bar
40-02	Cabin Electric Heater	C	4	2	(O) No more than two may be inoperative provided the affected heater(s) is deactivated.	
50-01	Vapor Cycle System (VCS)	B	1	0	May be inoperative provided the cockpit air distribution and temperature is acceptable to the flightcrew.	
60-01	Temperature Control Valve (TCV)	C	2	1	(O) May be inoperative provided: a) Opposite side bleed source (L or R) is selected, b) X-bleed is selected to CLOSED, c) Operations are not conducted in known or forecast icing conditions, and d) Flight is conducted at or below FL 250.	
60-02	Flow Control Valve (FCV)	C	2	1	(O) May be inoperative provided: a) Opposite side bleed source (L or R) is selected, b) X-bleed is selected to CLOSE, c) Operations are not conducted in known or forecast icing conditions, and d) Flight is conducted at or below FL 250.	
60-03	Dual Heat Exchanger Fan (DHEF)	C	1	0	(M)(O) May be inoperative provided: a) DHEF is electrically deactivated, b) Bleed air OFF takeoff is performed, and c) PBIT is performed before takeoff.	
60-04	Temperature Control Valve Outlet Temperature Sensor (TOTS)	C	2	1	May be inoperative provided the associated TCV is considered inoperative.	

REVISION NO. 4
DATE: 09/29/2022

PAGE NO. 21-3

AIRCRAFT:
PC-24

TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

21. Air Conditioning

Sequence No.	Item	1	2	3	4	Change Bar
60-05	Venturi Flow Meter (VFM)	C	2	1	(O) May be inoperative provided: a) Opposite side bleed source (L or R) is selected, b) X-bleed is selected to CLOSE, c) Operations are not conducted in known or forecast icing conditions, and d) Flight is conducted at or below FL 250.	
80-01	Cockpit Evaporator Fan	C	1	0	(O) May be inoperative provided: a) It is deactivated, b) Cockpit air distribution and temperature is acceptable to the flightcrew, and left bleed air system is operative.	
80-02	Cabin Evaporator Fan	C	2	0	(O) May be inoperative provided affected fan(s) is deactivated.	
80-10	Compressor	C	1	0	May be inoperative provided the cockpit air temperature is acceptable to the flightcrew.	
90-01	Zone Temperature Sensor (Including Associated Fan)	C	2	1	May be inoperative provided: a) Cockpit air temperature is acceptable to flightcrew, and b) Cabin air temperature is acceptable to passengers.	

REVISION NO. 4a
DATE: XX/XX/XXXX

PAGE NO. 22-1

AIRCRAFT:
PC-24

TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

22. Autoflight

Sequence No.	Item	1	2	3	4	Change Bar
10-01	Autopilot	B	2	0	(O) May be inoperative provided: a) "AP 1+2 Fail" advisory CAS message is displayed, b) "AFCS Fault" advisory CAS message is not displayed, c) Affected autopilot/channel is not part of the equipment required for intended operation, and d) Single pilot operations are not conducted.	
		C	2	1	(M)(O) May be inoperative provided: a) Affected autopilot/channel is deactivated, b) Affected autopilot/channel is not part of the equipment required for intended operation, c) Single pilot operations are not conducted, and d) Associated yaw damper is considered inoperative.	
10-03	Autopilot Quick Disconnect Switches	C	2	1	One may be inoperative provided: a) Autopilot is not used below 1,500 ft. AGL, and b) Approach minimums do not require use of the autopilot.	
10-04	Yaw Damper	C	2	1	(M) May be inoperative provided: a) Affected yaw damper is deactivated, b) Associated autopilot is considered inoperative, and c) Flight is conducted at or below FL 300.	
30-01	Auto-throttle	C	1	0	(M) May be inoperative provided the system is deactivated.	

REVISION NO. 4a

PAGE NO. 23-1

DATE: 09/29/2022

AIRCRAFT:
PC-24

TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

23. Communications

Sequence No.	Item	1	2	3	4	Change Bar
00-01	Press to Transmit (PTT) Switches	B	-	-	Any in excess of one for each required flightcrew member may be inoperative provided the affected switch is in the open (non-transmitting) position. NOTE: Mounted on the control yokes (all MSN) and side panels (MSN 185 and up and MSN 101-184 with SB 23-006 incorporated).	
10-01	HF Communications	D	-	-	Any in excess of those required by 14 CFR may be inoperative.	
		C	-	1	(O) May be inoperative while conducting operations that require two LRCS provided: <ol style="list-style-type: none"> a) Aircraft SATVOICE system operates normally, b) SATVOICE services are available as an LRCS over the intended route of flight, c) The ICAO flight plan is updated (as required) to notify ATC of the communications equipment status of the aircraft, and d) Alternate procedures are established and used. 	
12-01	VHF Communications (Multi-Mode Digital Radio (MMDR))	D	2	1	Any in excess of those required by 14 CFR may be inoperative provided it is not powered by the essential bus and not required for emergency procedures. NOTE: MMDR 1 must be operational.	

REVISION NO. 4
DATE: 09/29/2022

PAGE NO. 23-2

AIRCRAFT:
PC-24

TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

23. Communications

Sequence No.	Item	1	2	3	4	Change Bar
15-01	SatCom System	D	1	0	May be inoperative provided procedures do not require its use.	
20-01	Selective Call Systems (SELCAL)	C	-	0	(O) May be inoperative provided alternate procedures are established and used.	
		D	-	0	May be inoperative provided procedures do not require its use.	
-01	Channels	C	-	0	(O) May be inoperative provided alternate procedures are established and used.	
		D	-	0	May be inoperative provided procedures do not require its use.	
21-01 ***	Datalink	D	-	0	May be inoperative provided procedures do not require its use.	
		C	-	0	(O) May be inoperative provided alternate procedures are established and used.	
40-01	Passenger Address (PA) System	C	1	0	(O) May be inoperative provided: a) PA not required by 14 CFR, and b) Alternate, normal, and emergency procedures and/or operating restrictions are established and used.	
		D	1	0	May be inoperative provided procedures do not require its use.	
40-02	Flightcrew Interphone System	D	1	0	May be inoperative for single pilot operations.	

REVISION NO. 4
DATE: 09/29/2022

PAGE NO. 23-3

AIRCRAFT:
PC-24

TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

23. Communications

Sequence No.	Item	1	2	3	4	Change Bar
50-01	Flight Deck Speaker	C	2	0	May be inoperative provided:	
					a) A headset is operative for each required crewmember on flightcrew compartment duty, and	
					b) A spare operative headset is readily available in the flightcrew compartment for use by any of the required crewmembers on flightcrew compartment duty.	
	Holder of an Air Carrier or Commercial Operator Certificate					
50-02	Flight Deck Headsets Earphones/Headphones and Boom Microphones					
-01	Headset Boom Microphones	A	-	0	May be inoperative provided:	
					a) Associated hand microphone is installed and operates normally, and	
					b) Repairs are made within 3 flight-days.	
		D	-	-	Any in excess of those required by 14 CFR may be inoperative.	
-02	Headset Earphones/Headphones	C	-	1	May be inoperative provided associated flight deck speaker operates normally.	
		D	-	0	Any in excess of those required by 14 CFR may be inoperative.	
-03	Active Noise Canceling/Reduction Function	D	-	0	May be inoperative provided normal audio function of headset is operative.	

REVISION NO. 4
DATE: 09/29/2022

PAGE NO. 23-4

AIRCRAFT:
PC-24

TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

23. Communications

Sequence No.	Item	1	2	3	4	Change Bar
50-03	Flight Deck Hand Microphones	C	-	0	May be inoperative provided associated boom microphone operates normally.	
	Operator other than a Holder of an Air Carrier or Commercial Operator Certificate	D	-	0	Any in excess of those required by 14 CFR may be inoperative.	
51-04	Flight Deck Headsets/Headphones	D	-	-	Any in excess of those required by 14 CFR may be inoperative.	
-01	Headset Boom Microphones	A	-	0	May be inoperative provided: <ol style="list-style-type: none"> a) Associated hand microphone is installed and operates normally, and b) Repairs are made in accordance with applicable regulations. 	
		D	-	-	Any in excess of those required by 14 CFR may be inoperative.	
-02	Headset Earphones/Headphones	C	-	1	May be inoperative provided associated flight deck speaker operates normally.	
-03	Active Noise Canceling/Reduction Function	D	-	0	May be inoperative provided normal audio function of headset is operative.	

REVISION NO. 4
DATE: 09/29/2022

PAGE NO. 23-5

AIRCRAFT:
PC-24

TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

23. Communications

Sequence No.	Item	1	2	3	4	Change Bar
51-05	Flight Deck Hand Microphones	D	-	-	Any in excess of those required by 14 CFR may be inoperative.	
		C	-	0	May be inoperative provided associated boom microphone operates normally.	
60-01	Static Dischargers				NOTE: No more than two dischargers may be inoperative or missing.	
-01	Left Wing	C	4	3	One other than the outermost discharger on the left wingtip may be inoperative or missing.	
					NOTE: The left wing static dischargers include the two dischargers installed on the left wingtip and the two installed on the left aileron.	
-02	Right Wing	C	4	3	One other than the outermost discharger on the right wingtip may be inoperative or missing.	
					NOTE: The right wing static dischargers include the two dischargers installed on the right wingtip and the two installed on the right aileron.	
-03	Left Horizontal Stabilizer	C	2	1	The inner discharger may be inoperative or missing.	
-04	Right Horizontal Stabilizer	C	2	1	The inner discharger may be inoperative or missing.	
-05	Rudder	C	2	1	One may be inoperative or missing.	

REVISION NO. 4
DATE: 09/29/2022

PAGE NO. 23-6

AIRCRAFT: PC-24	TABLE KEY 1. REPAIR CATEGORY 2. NO. INSTALLED 3. NO. REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS
--------------------	--

23. Communications

Sequence No.	Item	1	2	3	4	Change Bar
71-01	Cockpit Voice Recorder (CVR) with Flight Data Recorder (FDR) Installed	A	1	0	May be inoperative provided: a) FDR operates normally, and b) Repairs are made within 3 flight-days.	
-01	Independent Power Source	C	1	0		
71-02 ***	Cockpit Voice Recorder (CVR) without Flight Data Recorder (FDR) Installed	A	1	0	May be inoperative provided repairs are made within 3 flight-days.	
-01	Independent Power Source	C	1	0		
	Other Than a Holder of an Air Carrier or Commercial Operator Certificate					
71-03 ***	Cockpit Voice Recorder (CVR)	A	1	0	May be inoperative provided repairs are made in accordance with 14 CFR.	
-01	Independent Power Source	C	1	0		

REVISION NO. 4
DATE: 09/29/2022

PAGE NO. 24-1

AIRCRAFT: PC-24	TABLE KEY 1. REPAIR CATEGORY 2. NO. INSTALLED 3. NO. REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS
--------------------	--

24. Electrical Power

Sequence No.	Item	1	2	3	4	Change Bar
20-01 ***	115V AC Outlets	D	-	0	(M) May be inoperative provided the associated inverter is deactivated.	
20-02 ***	AC Power Outlets Inverter	D	-	0	(M) May be inoperative provided affected AC power outlets inverter is deactivated.	
40-01	External Power System	C	1	0	May be inoperative provided operations do not require its use.	

REVISION NO. 4
DATE: 09/29/2022

PAGE NO. 25-1

AIRCRAFT: PC-24	TABLE KEY 1. REPAIR CATEGORY 2. NO. INSTALLED 3. NO. REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS
--------------------	--

25. Equipment/Furnishings

Sequence No.	Item	1	2	3	4	Change Bar
10-01	Cockpit Sun Visors	D	2	0	May be inoperative or missing provided there is no field of vision restriction for the flightcrew.	
10-02	Pilot Seat Vertical Adjustment	C	1	0	May be inoperative provided: a) It is acceptable to the flightcrew, and b) Emergency evacuation is not impeded.	
10-03	Pilot Seat Horizontal Adjustment	C	1	0	May be inoperative provided: a) It is acceptable to the flightcrew, and b) Emergency evacuation is not impeded.	
11-01	Safety Harness	C	2	1	May be inoperative on the right cockpit seat provided: a) The flight is conducted in single pilot operations, b) The right-hand seat is not occupied, and c) The seat is secured and placarded "DO NOT OCCUPY".	
20-01	Storage Cabinets/Wardrobe/Galley	C	-	-	(M) May be inoperative provided: a) Procedures are established to secure affected bin, compartment, or closet in closed position, b) Affected bin, compartment, or closet is prominently placarded "DO NOT USE", c) Any emergency equipment located in affected bin, compartment, or closet is considered inoperative, d) Affected bin, compartment, or closet is not used for storage of any items except for those permanently affixed, and e) Any associated galley electrical equipment is deactivated.	

(Continued)

REVISION NO. 4
DATE: 09/29/2022

PAGE NO. 25-2

AIRCRAFT:
PC-24

TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

25. Equipment/Furnishings

Sequence No.	Item	1	2	3	4	Change Bar
20-01	Storage Cabinets/Wardrobe/Galley (Cont'd)	C	-	-	<p>NOTE: Proviso is not intended to preclude crewmember inspections.</p> <p>(M)(O) May be inoperative provided:</p> <ol style="list-style-type: none"> a) For non-retractable doors, affected door is removed, b) For retractable doors, affected door is removed or secured in retracted (fully open) position, c) Affected bin, compartment, or closet is prominently placarded "DO NOT USE", d) Affected bin, compartment, or closet is not used for storage of any items except those permanently affixed, e) Procedures are established and used to alert crewmembers and passengers of inoperative bins, compartments, or closets, and f) Passengers are briefed that affected bin, compartment, or closet is not used. <p>NOTE: Any emergency equipment located in affected bin, compartment, or closet (permanently affixed) is available for use.</p>	
(Continued)						

REVISION NO. 4
DATE: 09/29/2022

PAGE NO. 25-3

AIRCRAFT:
PC-24

TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

25. Equipment/Furnishings

Sequence No.	Item	1	2	3	4	Change Bar
20-01	Storage Cabinets/Wardrobe/Galley (Cont'd)	C	-	-	May be inoperative in closed position provided: a) Affected bin, compartment, or closet is prominently placarded "DO NOT USE", b) Any emergency equipment located in affected bin, compartment, or closet is considered inoperative, and c) Location placarding for any emergency equipment stored in affected bin, compartment, or closet is removed or obscured. NOTE: Use of this proviso may be dependent upon an operator's aircraft security program, as appropriate.	
20-02 ***	Storage Compartment Key Locks	D	-	0	(M) May be inoperative in the unlocked position provided doors can be secured by other means.	
20-03 ***	Nonessential Equipment and Furnishings (NEF)	-	-	0	May be inoperative, damaged, or missing provided the item(s) is deferred in accordance with the NEF deferral program. The NEF program, procedures, and processes are outlined in the operator's (insert name) Manual. (M) and (O) procedures, if required, must be available to the flightcrew and included in the operator's appropriate document.	

REVISION NO. 4
DATE: 09/29/2022

PAGE NO. 25-4

AIRCRAFT: PC-24	TABLE KEY 1. REPAIR CATEGORY 2. NO. INSTALLED 3. NO. REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS
--------------------	--

25. Equipment/Furnishings

Sequence No.	Item	1	2	3	4	Change Bar
21-01	Passenger Seats	D	-	-	May be inoperative provided: a) Seat does not block an emergency exit, b) Seat does not restrict any passenger from access to the main aircraft aisle, and c) The affected seat(s) is blocked and placarded "DO NOT OCCUPY". NOTE 1: A seat with an inoperative seat belt is considered inoperative. NOTE 2: Affected seat(s) may include the seat(s) behind and/or adjacent outboard seats.	
-01	Recline Mechanism	D	-	-	(M) May be inoperative and seat occupied provided seat back is secured in the full upright position.	
		D	-	-	May be inoperative and seat occupied provided seat back is immovable in the full upright position.	
-02	Under Seat Baggage Restraining Bars	C	-	-	(O) May be inoperative provided: a) Baggage is not stowed under seat with inoperative restraining bar, and b) Associated seat is placarded "DO NOT STOW BAGGAGE UNDER THIS SEAT", and c) Procedures are established to alert cabin crew of inoperative restraining bar.	
(Continued)						

REVISION NO. 4
DATE: 09/29/2022

PAGE NO. 25-5

<p>AIRCRAFT: PC-24</p>	<p>TABLE KEY</p> <ol style="list-style-type: none"> 1. REPAIR CATEGORY 2. NO. INSTALLED 3. NO. REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS
----------------------------	--

25. Equipment/Furnishings

Sequence No.	Item	1	2	3	4	Change Bar
21-01	Passenger Seats (Cont'd)					
-03	Under Seat Stowage Compartment (Applicable for Executive Seats Only)	D	-	-	May be inoperative provided: <ol style="list-style-type: none"> a) Baggage is not stowed under associated seat, b) Associated seat is placarded "DO NOT STOW BAGGAGE UNDER THIS SEAT", and c) The compartment is not used to store a required life vest. 	
-04	Armrest without Recline Mechanism	D	-	-	May be inoperative or missing and seat occupied provided: <ol style="list-style-type: none"> a) Armrest does not block an emergency exit, and b) Armrest does not restrict any passenger from access to the main aircraft aisle. 	
-05	Swivel/Travel Mechanisms	D	-	-	One or more may be inoperative and the affected seat occupied provided: <ol style="list-style-type: none"> a) Affected seat is secured in takeoff and landing position, b) Affected seat does not block an emergency exit, and c) Affected seat does not restrict any passenger from access to the main aircraft aisle. 	
		C	-	-	One or more may be inoperative and the affected seat occupied provided the affected seat is immovable in the takeoff and landing position.	

REVISION NO. 4
DATE: 09/29/2022

PAGE NO. 25-6

AIRCRAFT:
PC-24

TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

25. Equipment/Furnishings

Sequence No.	Item	1	2	3	4	Change Bar
30-01 ***	Microwave Oven	D	1	0	(M) May be inoperative provided: a) Microwave oven is deactivated, b) Microwave oven is empty, and c) Microwave oven door is fully closed.	
30-02 ***	Coffee Brewer	D	1	0	(M)(O) May be inoperative provided: a) Coffee brewer is deactivated, b) Coffee brewer is latched in retracted position, c) Coffee brewer is verified not to have leaks, and d) Coffee pot (carafe) and brew basket are empty and secure.	
30-03 ***	Forward Galley Door Sensors	D	2	0	(O) May be inoperative provided associated galley electrical equipment is deactivated.	

REVISION NO. 4
DATE: 09/29/2022

PAGE NO. 25-7

AIRCRAFT:
PC-24

TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

25. Equipment/Furnishings

Sequence No.	Item	1	2	3	4	Change Bar
50-01 ***	Cargo Restraint System	A	-	-	(M) May be inoperative or missing provided: a) Approved cargo loading limits are observed. The only source documents are: • Type Certificate (TC), • Supplemental Type Certificate (STC), • Airplane Flight Manual (AFM), • Airplane Flight Manual Supplement (AFMS), • Rotorcraft Flight Manual (RFM), • Rotorcraft Flight Manual Supplement, • Pilot's Operating Handbook (POH), • TC/STC Weight and Balance Manual (WBM), and b) Repairs are made within 120 consecutive calendar-days.	
		A	-	-	May be inoperative or missing provided: a) Cargo compartment remains empty, and b) Repairs are made within 120 consecutive calendar-days.	
		A	-	-	Individual cargo areas may be inoperative provided: a) Aircraft is operated in accordance with OEM Weight and Balance source document, and b) Repairs are made within 120 consecutive calendar-days.	

REVISION NO. 4
DATE: 09/29/2022

PAGE NO. 25-8

AIRCRAFT:
PC-24

TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

25. Equipment/Furnishings

Sequence No.	Item	1	2	3	4	Change Bar
60-01	Life Rafts	D	1	-	(O) May be inoperative or missing provided: a) Extended overwater flights are not conducted, and b) Procedures are established and used to alert crewmembers of inoperative or missing equipment.	
61-01	Life Jackets	D	-	-	(M)(O) Any in excess of those required may be inoperative or missing provided: a) Required distribution is maintained, b) Inoperative life jacket and its installed location are placarded inoperative, c) Inoperative life jacket is secured out of sight, and d) Procedures are established and used to alert crewmembers of inoperative or missing equipment.	

REVISION NO. 4
DATE: 09/29/2022

PAGE NO. 25-9

AIRCRAFT:
PC-24

TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

25. Equipment/Furnishings

Sequence No.	Item	1	2	3	4	Change Bar
62-01	Emergency Locator Transmitter (ELT)					
-01	Survival Type ELTs	D	-	-	Any in excess of those required by 14 CFR may be incomplete, missing, or inoperative.	
-02	Fixed ELTs	A	-	0	(M) May be missing provided: a) Placard stating "ELT not installed" is placed in view of the pilot, and b) Repairs are made within 90 consecutive days.	
		A	-	0	May be inoperative provided: a) System is deactivated, and b) Repairs are made within 90 consecutive days.	
		D	-	-	(M) Any in excess of those required by 14 CFR may be inoperative provided system is deactivated.	
		D	-	-	Any in excess of those required by 14 CFR may be missing.	
	Remote ELT Switch	D	-	0	(M) May be inoperative provided: a) Remote ELT switch is deactivated, and b) ELT switch is placed in the ARMED mode.	
	ELT Indicator Light	D	-	0		
	ELT Aural Alarm	D	-	0		

REVISION NO. 4
DATE: 09/29/2022

PAGE NO. 25-10

AIRCRAFT:
PC-24

TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

25. Equipment/Furnishings

Sequence No.	Item	1	2	3	4	Change Bar
66-01	First Aid Kits (FAK)	A	-	-	(O) If more than one is required by 14 CFR, only one of the required FAKs may be incomplete, missing, or inoperative provided: <ul style="list-style-type: none"> a) FAK is resealed in a manner that will identify it as a unit that cannot be mistaken for a fully serviceable unit, and b) Repairs or replacements are made within one flight. 	
		D	-	-	Any in excess of those required by 14 CFR may be incomplete, missing, or inoperative.	
67-01	Cabin Placards (Seated Passenger Information)	C	-	-	One or more placards may be illegible or missing provided a legible placard is visible from each occupied passenger seat.	
94-01	Cold Weather Kit	D	1	0	May be inoperative provided operations do not require its use. NOTE: Includes external battery heating system and one AC power outlet in the cabin.	

REVISION NO. 4
DATE: 09/29/2022

PAGE NO. 26-1

<p>AIRCRAFT: PC-24</p>	<p>TABLE KEY</p> <ol style="list-style-type: none"> 1. REPAIR CATEGORY 2. NO. INSTALLED 3. NO. REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS
----------------------------	--

26. Fire Protection

Sequence No.	Item	1	2	3	4	Change Bar
10-01	Baggage Compartment Smoke Detector	C	1	0	May be inoperative provided: a) Baggage compartment is empty, and b) "Baggage COMP Smoke" caution CAS message is not displayed.	
10-02	FIRE XTING Pushbutton	C	4	0		
10-03	ENG ISOL Pushbutton					
-01	FIRE Indication Lamps	C	4	2	One FIRE indication lamp in each pushbutton may be inoperative.	
-02	ENG ISOL Indication Lamps	C	4	2	One ENG ISOL indication lamp in each pushbutton may be inoperative.	
22-01	Portable Fire Extinguisher	D	-	-	Any in excess of those required by 14 CFR may be inoperative or missing provided: a) Inoperative fire extinguisher is tagged inoperative, removed from the installed location, and placed out of sight so it cannot be mistaken for a functional unit, and b) Required distribution is maintained.	

REVISION NO. 4
DATE: 09/29/2022

PAGE NO. 27-1

<p>AIRCRAFT: PC-24</p>	<p>TABLE KEY</p> <ol style="list-style-type: none"> 1. REPAIR CATEGORY 2. NO. INSTALLED 3. NO. REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS
----------------------------	--

27. Flight Controls

Sequence No.	Item	1	2	3	4	Change Bar
10-01	Aileron Trim	B	1	0	(M)(O) May be inoperative provided: a) The aileron trim tab is set to, and secured in, the NEUTRAL position, and b) If the autopilot is used, it must be disconnected every 20 minutes to detect any possible fuel imbalance. NOTE: If the aileron trim tab cannot be set to the NEUTRAL position, then dispatch is not permitted.	
10-02	Aileron Trim Position Indication	B	1	0	(O) May be inoperative provided: a) Trim tab is visually checked for full range of travel, b) Trim tab is set to position for takeoff and appropriate setting is verified by visual inspection prior to each departure, and c) If the autopilot is used, it must be disconnected every 20 minutes to detect any possible fuel imbalance.	
20-01	Rudder Trim Position Indication	B	1	0	(O) May be inoperative provided: a) Trim tab is visually checked for full range of travel, b) Trim tab operation is not restricted, and c) Trim tab is set to position for takeoff and appropriate setting is verified by visual inspection prior to each departure.	
60-06	Roll Assist Position Sensor (RAPS)	C	2	0	(M)(O) May be inoperative provided: a) Roth RAPS are electrically isolated, and b) Flightcrew are made aware of the impact on the aircraft handling qualities.	

REVISION NO. 4
DATE: 09/29/2022

PAGE NO. 27-2

AIRCRAFT:
PC-24

TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

27. Flight Controls

Sequence No.	Item	1	2	3	4	Change Bar
60-07	Multi-Function Spoiler (MFS) System	B	1	0	(O)(M) May be inoperative provided: a) All MFS panels are fully retracted, b) All MFS actuators are visually inspected and confirmed to be braked, c) All MFS actuators are deactivated, d) Aircraft remains at or below FL 250, e) Aircraft speed does not exceed M 0.71, f) Operations do not require airbrake use, g) Flight manual takeoff and landing performance penalties are applied, and h) Flightcrew are made aware of the impact on aircraft handling qualities.	
60-08	Ground Spoiler System	B	1	0	(O)(M) May be inoperative provided: a) All GS panels are fully retracted and verified to be over center, b) All GS actuators are deactivated, c) Anti-skid system is operative, d) Operations are not conducted in known or forecast icing conditions, e) Takeoff or landing is not conducted on unpaved or contaminated runways, and f) Flight manual performance penalties are applied.	

REVISION NO. 4
DATE: 09/29/2022

PAGE NO. 27-3

AIRCRAFT:
PC-24

TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

27. Flight Controls

Sequence No.	Item	1	2	3	4	Change Bar
60-09	Spoilers Actuator Power and Control Module	B	2	0	(M)(O) May be inoperative provided: a) Affected spoilers actuator power and control module is deactivated, b) Associated GS panels are fully retracted, c) Associated MFS panels are fully retracted, d) Anti-skid system is operative, e) Aircraft speed does not exceed M 0.71, f) Aircraft remains at or below FL 250, g) Operations do not require airbrake use, h) Flight manual takeoff and landing performance penalties are applied, i) Operations are not conducted in known or forecast icing conditions, j) Takeoff or landing is not conducted on unpaved or contaminated runway, and k) Flightcrew are made aware of the impact on aircraft handling qualities.	

28. Fuel

Sequence No.	Item	1	2	3	4	Change Bar
20-01	Refuel/Defuel Shutoff Valve	C	2	0	May be inoperative provided the aircraft is not pressure fueled or pressure defueled.	
40-01	Fuel Quantity Indication System	B	2	1	<p>(O) One (L or R) may be inoperative provided:</p> <ul style="list-style-type: none"> a) The aircraft is only gravity fueled, b) Fuel quantity in associated tank is verified by an alternate procedure, c) If autopilot is used, it must be disconnected every 20 minutes to detect any possible fuel imbalance, d) Aileron trim is verified operative, and e) Aileron trim position indication is operative. <p>NOTE 1: Fuel AUTO transfer function inhibited.</p> <p>NOTE 2: "Fuel Imbalance" caution CAS message may be displayed spuriously during take-off and landing.</p>	
		B	2	0	<p>(O) Both (L and R) may be inoperative provided:</p> <ul style="list-style-type: none"> a) The aircraft is gravity fueled to the maximum, b) The flight is restricted to a maximum of 2 hours, c) If autopilot is used, it must be disconnected every 20 minutes to detect any possible fuel imbalance, d) Aileron trim is verified operative, and e) Aileron trim position indicator is operative. 	
(Continued)						

REVISION NO. 4
DATE: 09/29/2022

PAGE NO. 28-2

AIRCRAFT:
PC-24

TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

28. Fuel

Sequence No.	Item	1	2	3	4	Change Bar
40-01	Fuel Quantity Indication System (Cont'd)				NOTE 1: Fuel AUTO transfer function inhibited. NOTE 2: "Fuel Imbalance" caution CAS message may be displayed spuriously during take-off and landing.	
42-01	Low Level Sensors	C	2	0	One or both may be inoperative provided: a) The aircraft is fueled to the maximum before each flight, and b) The flight is restricted to a maximum of 2 hours.	
42-02	High Level Sensor	C	2	0	One or both may be inoperative provided the aircraft is not pressure refueled (overwing fueling only is allowed).	
43-01	Collector Tank Fuel Temperature Indication	C	2	1	(O) May be dashed provided alternate procedures are established and used.	
43-02 ***	Engine Inlet Fuel Temperature Indication	D	2	0	May be missing (blanked).	
60-01	Fuel Door Switch	C	1	0	(O) May be inoperative provided the refuel door is verified closed before each flight. NOTE: Pressure refuel may be unavailable.	
60-02	Refuel/Defuel Panel	C	1	0	(O) May be inoperative provided: a) Power switch (PWR - REFUEL/DEFUEL) is in the OFF position and guarded, and b) Refuel/Defuel panel is verified to be depowered. NOTE: Use over wing refueling.	

REVISION NO. 4
DATE: 09/29/2022

PAGE NO. 28-3

AIRCRAFT: PC-24	TABLE KEY 1. REPAIR CATEGORY 2. NO. INSTALLED 3. NO. REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS
--------------------	--

28. Fuel

Sequence No.	Item	1	2	3	4	Change Bar
60-03	Refuel/Defuel Panel PWR - REFUEL/ DEFUEL Switch (including guard)	C	1	0	(M) May be inoperative, damaged or missing provided Refuel/Defuel panel is deactivated. NOTE: Use over wing refueling.	
60-04	Refuel/Defuel panel INC/DEC switch	C	1	0	May be inoperative in the neutral position.	

REVISION NO. 4
DATE: 09/29/2022

PAGE NO. 30-1

AIRCRAFT: PC-24	TABLE KEY 1. REPAIR CATEGORY 2. NO. INSTALLED 3. NO. REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS
--------------------	--

30. Ice and Rain Protection

Sequence No.	Item	1	2	3	4	Change Bar
10-01	Wing Anti-Ice Valve	C	2	1	(O) May be inoperative in the Open position provided: a) Opposite side bleed source (L or R) is selected, b) X-bleed is selected to CLOSED, c) Operations are not conducted in known or forecast icing conditions, and d) Flight is conducted at or below FL 250.	
		C	2	0	May be inoperative in the closed position provided operations are not conducted in known or forecast icing conditions.	
10-02	Wing Anti-Ice Temperature Sensor	C	2	0	May be inoperative provided operations are not conducted in known or forecast icing conditions.	
10-03	Wing Anti-Ice Pressure Sensors					
-01	Control	C	2	0	May be inoperative provided operations are not conducted in known or forecast icing conditions.	
-02	Monitor (Wing Root)	C	2	1	(O) May be inoperative provided: a) Opposite side bleed source (L or R) is selected, b) X-bleed is selected to CLOSE, c) Operations are not conducted in known or forecast icing conditions, and d) Flight is conducted at or below FL 250.	
-03	Monitor (Wing Tip)	C	2	0	May be inoperative provided operations are not conducted in known or forecast icing conditions.	

REVISION NO. 4
DATE: 09/29/2022

PAGE NO. 30-2

AIRCRAFT: PC-24	TABLE KEY 1. REPAIR CATEGORY 2. NO. INSTALLED 3. NO. REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS
--------------------	--

30. Ice and Rain Protection

Sequence No.	Item	1	2	3	4	Change Bar
10-05	Horizontal Stabilizer De-Ice (HSDI) System	C	1	0	May be inoperative provided: a) Operations are not conducted in known or forecast icing conditions, and b) "HSDI Fail On" caution CAS+ message is not displayed.	
20-01	Nacelle Inlet Anti-Ice Valve	C	2	0	One or both valves may be failed in the open position provided ambient temperature remains less than 10 °C during ground operations.	
21-01	Nacelle Inlet Anti-Ice Monitoring System	B	2	0	May be inoperative provided operations are not conducted at in known or forecasted icing conditions.	
40-01	Windshield Heating Normal System	C	2	1	(M) May be inoperative provided: a) Operations are not conducted in known or forecast icing conditions, b) "WSHLD De-Fog Degrade" caution CAS message is not displayed, c) Affected windshield heating normal system is deactivated, and d) Windshield emergency heating system is verified operative. NOTE: Note: Left system heats zones L2, L1.2 and R1.1. Right system heats zones R2, R1.2 and L1.1.	
80-01	Ice Detector	C	2	0	One or both may be inoperative provided flight is not conducted into known or forecasted icing conditions.	
		C	2	1	(O) May be inoperative provided all anti-ice systems are turned ON manually when icing conditions as defined in the AFM exist or are anticipated.	

REVISION NO. 4
DATE: 09/29/2022

PAGE NO. 31-1

AIRCRAFT:
PC-24

TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

31. Indicating/Recording Systems

Sequence No.	Item	1	2	3	4	Change Bar
31-01 ***	Flight Data Recorder (FDR) System (Includes FDR Function of Combined Voice and Flight Data Recorder (CVFDR))	C	-	-	Any in excess of those required by 14 CFR may be inoperative.	
	Flight Data Recorder (FDR) Installed for a Holder of an Air Carrier or Commercial Operator Certificate	A	-	0	May be inoperative provided: <ol style="list-style-type: none"> a) Cockpit voice recorder (CVR) operates normally, b) Airplane is not dispatched from a designated airport as listed in the operator's MEL unless: <ol style="list-style-type: none"> 1) The FDR failure occurs after pushback but prior to takeoff, or 2) The FDR repair was attempted but not successful, c) In those cases where repair is attempted but not successful, the aircraft may be dispatched on a flight or series of flights until the next designated airport where repair must be accomplished prior to dispatch, and d) Repairs are made within 3 flight-days. 	

REVISION NO. 4

PAGE NO. 31-2

DATE: 09/29/2022

AIRCRAFT:
PC-24

TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

31. Indicating/Recording Systems

Sequence No.	Item	1	2	3	4	Change Bar
31-02	Flight Data Recorder (FDR) Recording					
-01	Parameters Required by 14 CFR	A	-	-	Up to three recording parameters may be inoperative provided: <ol style="list-style-type: none"> a) CVR operates normally, and b) Repairs are made within 20 consecutive calendar-days. 	
-02	Parameters Not Required by 14 CFR	A	-	-	May be inoperative provided repairs are made prior to the completion of the next heavy maintenance visit.	
31-03	Flight Data Recorder (FDR) System	C	-	1	Any in excess of those required by 14 CFR may be inoperative.	
	Flight Data Recorder (FDR) Installed for an Operator other than a Holder of an Air Carrier or Commercial Operator Certificate	A	-	0	May be inoperative provided repairs are made in accordance with applicable 14 CFR.	
35-01 ***	Quick Access Recorder	D	1	0	May be inoperative provided procedures do not require its use.	

REVISION NO. 4
DATE: 09/29/2022

PAGE NO. 31-3

AIRCRAFT:
PC-24

TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

31. Indicating/Recording Systems

Sequence No.	Item	1	2	3	4	Change Bar
50-01	Master WARNING Pushbutton					
-01	Indication Lamps	C	4	1	For single pilot operations, any in excess of one lamp in the pilot side master WARNING pushbutton may be inoperative.	
		C	4	2	One lamp in each master WARNING pushbutton may be inoperative.	
-02	Reset Function	C	2	1	For single pilot operations, co-pilot side master WARNING pushbutton reset function may be inoperative in inactive (non-reset) position.	
50-02	Master CAUTION Pushbutton					
-01	Indication Lamps	C	4	1	For single pilot operations, any in excess of one lamp in the pilot side master CAUTION pushbutton may be inoperative.	
		C	4	2	One lamp in each master CAUTION pushbutton may be inoperative.	
-02	Reset Function	C	2	1	For single pilot operations, co-pilot side master CAUTION pushbutton reset function may be inoperative in inactive (non-reset) position.	

REVISION NO. 4
DATE: 09/29/2022

PAGE NO. 32-1

AIRCRAFT: PC-24	TABLE KEY 1. REPAIR CATEGORY 2. NO. INSTALLED 3. NO. REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS
--------------------	--

32. Landing Gear

Sequence No.	Item	1	2	3	4	Change Bar
20-01	Stop Wedge (Tell-Tale)	A	2	0	(M) May be missing provided: a) Nose landing gear and nose wheel steering are inspected in accordance with aircraft maintenance manual, before the first flight under present MMEL item and after each landing, and b) Repairs are made within 3 flight-legs. NOTE: A damaged stop wedge must be removed from the aircraft.	
30-01	Landing Gear Actuator Heater	C	3	0	(O) One or more may be inoperative provided the SAT is maintained above -55 °C in flight.	
30-02	Landing Gear Control Unit (LGCU) Lever Position Switches	C	4	3	One may be inoperative.	
41-06	Anti-Skid System	B	1	0	(M)(O) May be inoperative provided: a) The DACU is deactivated, b) Takeoff or landing is not conducted on unpaved, wet, or contaminated runways, c) Main braking is verified to be operational without the anti-skid system, d) Ground spoiler system is operative, and e) Flight manual performance penalties are applied.	
41-07	Hydraulic Filter Assembly Bypass Electrical Indicator	C	2	0	(M) May be inoperative provided the associated red button bypass indicator is verified to be in (not raised) before each flight.	
41-08	Brake Line Pressure Sensor	C	2	0	One or both may be inoperative.	

REVISION NO. 3

PAGE NO. 33-1

DATE: 10/01/2021

AIRCRAFT:
PC-24

TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

33. Lights

Sequence No.	Item	1	2	3	4	Change Bar
10-01	Flight Deck Compartment and Instrument Lighting	C	-	-	Individual lights may be inoperative provided: <ol style="list-style-type: none"> a) Remaining lighting system lights are sufficient to clearly illuminate all required instruments, controls, and other devices for which they are provided, b) Remaining lighting system lights are positioned so that direct rays are shielded from flightcrew members' eyes, c) The three overhead flood lights are operational, and d) Lighting configuration and intensity is acceptable to the flightcrew. <p>NOTE: Individual button/switch lights and/or annunciations/indications are excluded from this relief.</p>	
		C	-	-	Co-pilot's station instrument lights may be inoperative for single pilot operations provided co-pilot's station instrument is not required to be used by the pilot.	
20-01	Passenger Compartment Lighting	D	-	0	May be inoperative provided passengers are not carried.	
		C	-	-	Individual lights may be inoperative provided inoperative lights are not part of the cabin emergency lighting.	

REVISION NO. 3

PAGE NO. 33-2

DATE: 10/01/2021

AIRCRAFT:
PC-24

TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

33. Lights

Sequence No.	Item	1	2	3	4	Change Bar
30-01	Refuel/Defuel Compartment Light	D	1	0	May be inoperative.	
30-02	GSE Storage Compartment Light	D	1	0	May be inoperative.	
30-03	Cargo Area Lights	D	5	0	One or more may be inoperative.	
40-01	Welcome Lights	D	2	0	May be inoperative.	
20-02	Passenger Lighted Information Sign	C	-	0	(O) May be inoperative provided alternate procedures are established and used to notify cabin occupants.	
41-01	Navigation/Position Lights	C	3	0	One or more may be inoperative for operations between sunrise and sunset.	
42-01	Anticollision Light System				NOTE: Red beacons and white strobe lights.	
-01	Red Beacons	C	2	0	(O) May be inoperative provided the white strobe lights are operative.	
-02	White Strobe Lights	C	1	0	May be inoperative provided the red beacons are operative.	
43-01	Wing Icing Detection Lights	C	1	0	May be inoperative provided: <ol style="list-style-type: none"> a) Primary ice detection system is operative, and b) Ground deicing procedures do not require their use. 	

REVISION NO. 3

PAGE NO. 33-3

DATE: 10/01/2021

AIRCRAFT:
PC-24

TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

33. Lights

Sequence No.	Item	1	2	3	4	Change Bar
44-01	Landing Lights	B	2	1	The right landing light may be inoperative for night operations.	
		C	2	0	May be inoperative for other than night operations.	
45-01	Taxi Lights	C	4	0	May be inoperative.	
46-01	Logo Lights	D	2	0	May be inoperative.	
47-01 ***	Recognition Lights	D	2	0	May be inoperative.	
50-01	Cabin Overhead Emergency Lighting	B	6	5	(O) May be inoperative provided one of the two entrance area spotlights is operative. NOTE: The cabin emergency lighting consists of two spotlights in the entrance area and four table lights.	
		D	6	0	May be inoperative for daylight operations.	
50-02	EXIT Signs	C	3	-	May be inoperative provided 50% of the LEDs are operative and the signs remain legible.	
		A	3	0	May be inoperative for all-cargo operations provided repairs are made at the next major scheduled maintenance interval (i.e., 600 flight-hours or 1 year, whichever comes first).	
60-01	Independent Portable Lights	C	-	-	May be inoperative or missing provided each required crewmember has an operative independent portable light readily available when seated at designated station.	
		D	-	-	May be inoperative or missing for other than night operations under VFR.	

REVISION NO. 4
DATE: 09/29/2022

PAGE NO. 34-1

AIRCRAFT:
PC-24

TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

34. Navigation

Sequence No.	Item	1	2	3	4	Change Bar
13-01	Vertical Speed Indication (VSI)	C	2	1	One may be inoperative provided the operative VSI is on the pilot in command (PIC) side.	
		C	2	1	May be inoperative for operations under day VMC provided procedures do not require its use.	
14-01	Primary Airspeed Indication	B	2	1	The co-pilot's primary airspeed indication may be inoperative for single pilot operations. NOTE: Standby airspeed indication is not considered as a primary airspeed indication.	
16-01	Altitude Alerting System	A	-	0	(O) Except where enroute operations require its use, may be inoperative provided: <ul style="list-style-type: none"> a) Autopilot with altitude hold and altitude capture operates normally, b) Enroute operations (i.e., RVSM) do not require its use, c) Airplane does not depart from a designated airport (as listed in the operator's MEL) where repair or replacement can be made, and d) Repairs are made within 3 flight-days. 	
-01	Aural Alert	C	-	0	May be inoperative provided: <ul style="list-style-type: none"> a) Visual alert operates normally, and b) Autopilot with altitude hold and altitude capture operates normally. 	
(Continued)						

REVISION NO. 4

PAGE NO. 34-2

DATE: 09/29/2022

AIRCRAFT:
PC-24

TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

34. Navigation

Sequence No.	Item	1	2	3	4	Change Bar
16-01	Altitude Alerting System (Cont'd)					
-02	Visual Alert	C	-	0	May be inoperative provided: a) Aural alert operates normally, and b) Autopilot with altitude hold and altitude capture operates normally.	
		C	2	1	May be inoperative for operations under day VMC provided procedures do not require its use.	
16-02	Primary Altitude Indication	B	2	1	The co-pilot's primary altitude indication may be inoperative for single pilot operations.	
21-01	Standby Attitude Indicator					
-01	(MSN 101 - 211)	C	-	0	May be inoperative provided it is not required by 14 CFR.	
		B	-	0	May be inoperative provided: a) Operations are conducted in Day VMC only, and b) Not in known or forecast over-the-top conditions.	
-02	(MSN 212 and up)	B	-	0	May be inoperative provided: a) Flight is conducted under day VMC with visual horizon and not in known or forecast over-the-top conditions, b) ATT FAIL is displayed on the pilot ESIS, c) Light is conducted at or below FL 300, and d) Attitude heading	

REVISION NO. 4
DATE: 09/29/2022

PAGE NO. 34-3

AIRCRAFT:
PC-24

TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

34. Navigation

Sequence No.	Item	1	2	3	4	Change Bar
22-01	Attitude Heading Reference System (AHRS) 2	B	1	0	(M) May be inoperative provided: a) AHRS 2 is deactivated, b) ATT 1 is selected as source for co-pilot PFD, c) Operations are conducted under VFR, d) Flight is conducted at or below FL 300, e) Autopilot is not used, f) Single pilot operations are not conducted, g) Standby attitude indication system is operative, and h) Standby heading indication is operative.	
22-02	Attitude Heading Reference System (AHRS) 3	C	1	0	(M) May be inoperative provided: a) AHRS 3 is deactivated, b) flight is conducted at or below FL 300, and c) Attitude heading reference system (AHRS) 2 is operative.	

REVISION NO. 4
DATE: 09/29/2022

PAGE NO. 34-4

AIRCRAFT: PC-24	TABLE KEY 1. REPAIR CATEGORY 2. NO. INSTALLED 3. NO. REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS
--------------------	--

34. Navigation

Sequence No.	Item	1	2	3	4	Change Bar
24-01	Turn Indication	C	2	0	May be inoperative for single pilot operations provided: a) Operations are conducted under day VMC, and b) ESIS is operative on the pilot's side.	
		B	2	0	May be inoperative provided three independent attitude indications are operative.	
		C	2	1	May be inoperative provided: a) The PIC turn/slip indicator is operative, and b) Primary attitude indications are operative on PIC side.	
		B	2	1	May be inoperative provided: a) Operations are conducted under day VMC, and b) Primary attitude indications are operative on PIC side.	
24-02	Slip Indication	C	-	1	May be inoperative provided the operative slip/skid indication is on the PIC station.	
25-01	Flight Director Symbols (FD Bars)	C	2	0	May be inoperative provided: a) Affected flight director is not part of the equipment required for intended operation, and b) Associated autopilot, if affected, is considered inoperative (refer to Item 22-10-01, Autopilot).	
31-01	VOR	C	2	0	May be inoperative provided operations do not require its use.	
32-01	ILS	B	2	0	May be inoperative provided operations do not require its use.	
		D	2	0	May be inoperative for VFR operations.	

REVISION NO. 4
DATE: 09/29/2022

PAGE NO. 34-5

AIRCRAFT:
PC-24

TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

34. Navigation

Sequence No.	Item	1	2	3	4	Change Bar
34-01	Marker Beacon	C	1	0	May be inoperative for IFR operations provided approach procedures do not require their use.	
		D	1	0	May be inoperative for VFR operations.	
41-01	IRS	C	1	0	May be inoperative provided operations do not require its use.	
42-01	Weather Detection System					
-01	Weather Radar	D	1	-	Any in excess of those required by 14 CFR may be inoperative.	
		C	1	0	May be inoperative provided operations are conducted in VFR conditions, not at night.	
		C	1	0	May be inoperative provided operations do not require its use.	
-02 ***	XM Weather System	D	-	0	Any in excess of those required by 14 CFR may be inoperative provided operations do not require their use.	
		C	-	0	May be inoperative provided operations are conducted in VFR conditions, not at night.	
		C	-	0	May be inoperative provided operations do not require its use.	
		C	-	0	May be inoperative provided weather radar and/or stormscope is operational.	

REVISION NO. 4
DATE: 09/29/2022

PAGE NO. 34-6

AIRCRAFT:
PC-24

TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

34. Navigation

Sequence No.	Item	1	2	3	4	Change Bar
42-03 ***	Stormscope Lightning Detection System	D	-	0	Any in excess of those required by 14 CFR may be inoperative provided operations do not require their use.	
		C	-	0	May be inoperative provided operations are conducted in VFR conditions, not at night.	
		C	-	0	May be inoperative provided operations do not require its use.	
		C	-	0	May be inoperative provided weather radar and/or XM weather is operational.	
44-01	Radar Altimeter	A	1	0	May be inoperative for a maximum of 6 flights or 2 calendar-days, whichever comes first, provided: <ol style="list-style-type: none"> a) The flight is planned and conducted taking into account the unavailability of the synthetic vision (below 2500 ft.) the TCAS and the degraded functionality of the TAWS, and b) Approach minima or operating procedures do not require its use. 	

REVISION NO. 4

PAGE NO. 34-7

DATE: 09/29/2022

AIRCRAFT:
PC-24

TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

34. Navigation

Sequence No.	Item	1	2	3	4	Change Bar
44-02	Ground Proximity Warning System (GPWS) Class A TAWS Equipment Required	A	1	0	(O) May be inoperative provided: a) Alternate procedures are established and used, and b) Repairs are made within 2 flight-days.	
-01	Modes 1–4	A	4	0	(O) May be inoperative provided: a) Alternate procedures are established and used, and b) Repairs are made within 2 flight-days.	
-02	Test Mode	A	1	0	May be inoperative provided: a) GPWS is considered inoperative, and b) Repairs are made within 2 flight-days.	
-03	Glideslope Deviation(s) (Mode 5)	C	-	1		
-04	Advisory Callouts	B	-	0	(O) May be inoperative provided alternate procedures are established and used.	
		C	-	0	(O) May be inoperative provided: a) Advisory callouts are not required by 14 CFR, and b) Alternate procedures are established and used.	
-05	Windshear Mode (Reactive)	B	1	0	(O) May be inoperative provided alternate procedures are established and used. NOTE: Operator's alternate procedures should include reviewing windshear avoidance and windshear recovery procedures.	
		C	1	0	(O) May be inoperative provided: a) Alternate procedures are established and used, and b) Windshear detection and avoidance system (predictive) operates normally.	

REVISION NO. 4

PAGE NO. 34-8

DATE: 09/29/2022

AIRCRAFT:
PC-24**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

34. Navigation

Sequence No.	Item	1	2	3	4	Change Bar
44-03	Terrain System - Forward-Looking Terrain Avoidance (FLTA) and Premature Descent Alert (PDA) Functions	B	1	0	(O) May be inoperative provided alternate procedures are established and used.	
44-04	Terrain Displays	C	-	1		
		B	-	0		
44-05 ***	Runway Awareness and Advisory System (RAAS)	C	1	0		
44-06	Ground Proximity Warning System (GPWS) Class B TAWS Equipment Required	A	1	0	(O) May be inoperative provided: a) Alternate procedures are established and used, and b) Repairs are made within 2 flight-days.	
-01	Modes 1 and 3	A	2	0	(O) May be inoperative provided: a) Alternate procedures are established and used, and b) Repairs are made within 2 flight-days.	
-02	Test Mode	A	1	0	May be inoperative provided: a) GPWS is considered inoperative, and b) Repairs are made within 2 flight-days.	
-03 ***	Modes 2, 4, and 5	C	3	0		
-04	Advisory Callouts	B	-	0	(O) May be inoperative provided alternate procedures are established and used.	
		C	-	0	(O) May be inoperative provided: a) Advisory callouts are not required by 14 CFR, and b) Alternate procedures are established and used.	
-05 ***	Windshear Mode (Reactive)	C	1	0	(O) May be inoperative provided alternate procedures are established and used.	

REVISION NO. 4

PAGE NO. 34-9

DATE: 09/29/2022

AIRCRAFT:
PC-24**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

34. Navigation

Sequence No.	Item	1	2	3	4	Change Bar
44-07	Terrain System - Forward-Looking Terrain Avoidance (FLTA) and Premature Descent Alert (PDA) Functions	B	1	0		
44-08 ***	Terrain Displays	C	-	0		
44-09 ***	Runway Awareness and Advisory System (RAAS)	C	1	0		
44-10 ***	TAWS/GPWS Class C TAWS Equipment Required	C	1	0	(O) May be inoperative provided alternate procedures are established and used. NOTE: Any mode that operates normally may be used.	
45-01	Traffic Alert and Collision Avoidance System (TCAS II)	B	-	0	(M) May be inoperative provided: a) System is deactivated and secured, and b) Enroute or approach procedures do not require its use.	
		C	-	0	(M) May be inoperative provided: a) It is not required by 14 CFR, b) System is deactivated and secured, and c) Enroute or approach procedures do not require its use.	
(Continued)						

REVISION NO. 4

PAGE NO. 34-10

DATE: 09/29/2022

AIRCRAFT:
PC-24

TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

34. Navigation

Sequence No.	Item	1	2	3	4	Change Bar
45-01	Traffic Alert and Collision Avoidance System (TCAS II) (Cont'd)					
-01	Combined Traffic Alert (TA) and Resolution Advisory (RA) Dual Display System(s)	C	2	1	May be inoperative on the non-flying pilot side provided: a) TA and RA visual display is operative on the flying pilot side, and b) TA and RA audio function is operative on the flying pilot side.	
-02	Resolution Advisory (RA) Display System(s)	C	2	1	May be inoperative on the non-flying pilot side.	
		C	-	0	(O) May be inoperative provided: a) TA visual display and audio functions are operative, b) TA ONLY mode is selected by the crew, and c) Enroute or approach procedures do not require its use.	
-03	Traffic Alert (TA) Display System(s)	C	-	0	(O) May be inoperative provided: a) RA visual display and audio functions are operative, and b) Enroute or approach procedures do not require its use.	
-04	Audio Functions	B	1	0	May be inoperative provided enroute or approach procedures do not require the use of TCAS.	
-05	Airspace Selection Function	C	1	0		

REVISION NO. 4
DATE: 09/29/2022

PAGE NO. 34-11

AIRCRAFT: PC-24	TABLE KEY 1. REPAIR CATEGORY 2. NO. INSTALLED 3. NO. REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS
--------------------	--

34. Navigation

Sequence No.	Item	1	2	3	4	Change Bar
51-01	Distance Measuring Equipment (DME) Systems	C	2	0	Any in excess of those required by 14 CFR may be inoperative.	
52-01	ATC Transponders and Automatic Altitude Reporting Systems	B	2	0	May be inoperative provided: a) Operations do not require its use, and b) Prior to flight, approval is obtained from ATC facilities having jurisdiction over the planned route of flight.	
		D	2	1	Any in excess of those required by 14 CFR may be inoperative.	
-01	Elementary and Enhanced Downlink Aircraft Reportable Parameters Not Required by 14 CFR	A	-	0	May be inoperative provided: a) Operations do not require its use, and b) Repairs are made prior to completion of the next heavy maintenance visit.	

REVISION NO. 4
DATE: 09/29/2022

PAGE NO. 34-12

AIRCRAFT:
PC-24

TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

34. Navigation

Sequence No.	Item	1	2	3	4	Change Bar
52-02 ***	ADS-B System (In and Out)	B	-	0	(O) May be inoperative provided prior to flight, authorization is obtained from ATC facilities having jurisdiction over the planned route of flight using an approved authorization process. NOTE: Any ADS-B function that operates normally may be used.	
		C	-	1	One may be inoperative.	
		D	-	0	(O) May be inoperative provided: a) Enroute operations do not require its use, and b) It is not required by 14 CFR. NOTE: Any ADS-B function that operates normally may be used.	
		C	-	1	(O) One may be inoperative	
***	ADS-B Out Extended Squitter	B	-	0	(O) May be inoperative provided prior to flight, authorization is obtained from ATC facilities having jurisdiction over the planned route of flight using an approved authorization process. NOTE: Any ADS-B function that operates normally may be used.	
		C	-	1	(O) One may be inoperative.	
		D	-	0	May be inoperative provided: a) Enroute operations do not require its use, and b) It is not required by 14 CFR. NOTE: Any ADS-B Out function that operates normally may be used.	
(Continued)						

REVISION NO. 4

PAGE NO. 34-13

DATE: 09/29/2022

AIRCRAFT:
PC-24

TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

34. Navigation

Sequence No.	Item	1	2	3	4	Change Bar
52-02 ***	ADS-B System (In and Out) (Cont'd)					
***	ADS-B Out UAT	B	-	0	(O) May be inoperative provided prior to flight, authorization is obtained from ATC facilities having jurisdiction over the planned route of flight using an approved authorization process. NOTE: Any ADS-B Out function that operates normally may be used.	
		C	-	1	One may be inoperative.	
		D	-	0	May be inoperative provided: a) Enroute operations do not require its use, and b) It is not required by 14 CFR. NOTE: Any ADS-B Out function that operates normally may be used.	
***	ADS-B In	C	-	0	(O) May be inoperative provided alternate procedures are established and used. NOTE: Any ADS-B In function that operates normally may be used.	
		D	-	0	(O) May be inoperative provided operations do not require its use. NOTE: Any ADS-B function that operates normally may be used.	
55-01	Automatic Direction Finding Equipment (ADF)	D	1	0	May be inoperative provided operations do not require its use.	

REVISION NO. 4
DATE: 09/29/2022

PAGE NO. 34-14

AIRCRAFT: PC-24	TABLE KEY 1. REPAIR CATEGORY 2. NO. INSTALLED 3. NO. REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS
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34. Navigation

Sequence No.	Item	1	2	3	4	Change Bar
57-01	Global Navigation Satellite System (GNSS)	C	2	0	(O) One or more may be inoperative provided: a) Operations do not require its use, and b) Alternate procedures are developed and used.	
60-01	Flight Management System (FMS)	C	2	1	May be inoperative provided affected FMS is not part of the equipment required for intended operation.	
61-01	Navigation Database	A	-	0	(O) May be inoperative provided: a) Operations do not require its use, b) It is not used in a primary navigation system required by 14 CFR, c) Alternate procedures are developed and used, d) The ICAO flight plan is updated (as required) to notify ATC of the navigation equipment status of the aircraft, and e) It is repaired within 10 flight-days. NOTE: An out-of-currency or out-of-date navigation database is not authorized MMEL relief per 14 CFR.	

REVISION NO. 3

PAGE NO. 35-1

DATE: 10/01/2021

AIRCRAFT:
PC-24

TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

35. Oxygen

Sequence No.	Item	1	2	3	4	Change Bar
10-01	Flightcrew Fixed Oxygen System					
-01	Flightcrew Compartment Quantity Indication	C	1	0	(O) May be inoperative provided a procedure is established to ensure that the oxygen supply is at or above the minimum for the intended flight.	
-02	Oxygen Bottle Gauge	C	1	0	May be inoperative provided the associated flightcrew compartment quantity indication is operative.	
-03	Flightcrew Oxygen Masks	C	2	1	The co-pilot mask may be inoperative provided the right seat is not occupied and placarded "DO NOT OCCUPY".	
20-01	Passenger Oxygen System	B	-	0	(O) May be inoperative provided: <ul style="list-style-type: none"> a) Maximum altitude is limited to 10,000 ft. MSL, b) Adequate supply of fresh air is provided to the cabin, and c) Passengers are appropriately briefed. 	
20-02	Automatic Mask Deployment System	C	1	0	(O) May be inoperative provided maximum altitude is limited to 10,000 ft. MSL if passengers are onboard.	
20-03	Passenger Dropdown Masks	C	-	-	(O) One or more may be inoperative provided: <ul style="list-style-type: none"> a) Affected seats are blocked and placarded "DO NOT OCCUPY", and b) Units are operative for all operative passenger seats and lavatory (if applicable). 	

REVISION NO. 3

PAGE NO. 35-2

DATE: 10/01/2021

AIRCRAFT:
PC-24

TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

35. Oxygen

Sequence No.	Item	1	2	3	4	Change Bar
30-01	Portable Protective Breathing Equipment (PBE)	D	-	-	Any in excess of those required by 14 CFR may be inoperative or missing provided: <ol style="list-style-type: none"> a) Inoperative PBE remains in a certified location or is removed from the aircraft, b) Location placarding is removed or obscured, and c) Required distribution is maintained. <p>NOTE: Inoperative PBE units removed from a certified location, or removed from the aircraft, are subject to 49 CFR dangerous goods regulations.</p>	
50-01 ***	Portable Oxygen Cylinder Assembly (POCA)	D	-	-	(M)(O) Any in excess of those required by regulations may be inoperative or missing provided: <ol style="list-style-type: none"> a) Required distribution is maintained throughout the aircraft, b) The inoperative portable oxygen cylinder assembly is placarded inoperative, and c) Procedures are established and used to alert crewmembers of inoperative or missing equipment. 	

REVISION NO. 4
DATE: 09/29/2022

PAGE NO. 36-1

AIRCRAFT:
PC-24

TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

36. Pneumatic

Sequence No.	Item	1	2	3	4	Change Bar
10-01	Bleed Air Shutoff Valve (SOV)	C	2	1	(M)(O) May be inoperative provided: a) Bleed air SOV is deactivated closed, b) Opposite side bleed source (L or R) is selected, c) Operations are not conducted in known or forecast icing conditions, and d) Flight is conducted at or below FL 250. NOTE: Dispatch with an SOV failed open/partially open is not permitted.	
10-02	Bleed Air Pressure Regulating Valve (PRV)	C	2	1	(O) May be inoperative provided: a) Opposite side bleed source (L or R) is selected, b) Operations are not conducted in known or forecast icing conditions, and c) Flight is conducted at or below FL 250.	
10-03	Cross Bleed Valve (XBV)	C	1	0	May be inoperative in the closed position provided operations are not conducted in known or forecast icing conditions.	
10-04	Bleed Pressure Sensor (BPS)					
-01	(MSN 101 – 230 without SB 42-016)	C	2	1	(O) One may be inoperative provided: a) The associated bleed air SOV is considered inoperative, and b) X-bleed is selected to CLOSED.	
-02	(MSN 101 – 230 with SB-42-016) (MSN 231 and up)	C	2	1	May be inoperative provided associated bleed air shut-off valve (SOV) is considered inoperative.	

REVISION NO. 4
DATE: 09/29/2022

PAGE NO. 36-2

AIRCRAFT: PC-24	TABLE KEY 1. REPAIR CATEGORY 2. NO. INSTALLED 3. NO. REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS
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36. Pneumatic

Sequence No.	Item	1	2	3	4	Change Bar
10-05	Bleed Temperature Sensor (BTS)					
-01	(MSN 101 – 230 without SB 42-016)	C	4	2	(O) One or two on the same bleed side may be inoperative provided: a) The associated bleed air shut-off valve (SOV) is considered inoperative, and b) X-bleed is selected to CLOSE.	
-02	(ALL) (MSN 101 – 230 with SB 42-016) (MSN231 and up)	C	4	2	One or two on the same bleed side may be inoperative provided the associated bleed air shut-off valve (SOV) is considered inoperative.	
10-06	Diverter Valve	C	2	1	One may be inoperative provided the associated bleed air shut-off valve (SOV) is considered inoperative.	
10-07	Bleed Check Valve	C	2	1	One may be inoperative provided the associated bleed air shut-off valve (SOV) is considered inoperative.	
10-08	Burst Disk Assembly	C	2	1	(O) May be inoperative provided: a) Associated bleed air shut-off valve (SOV) is considered inoperative, and b) X-bleed is selected to CLOSE.	

REVISION NO. 1
DATE: 02/20/2020

PAGE NO. 38-1

<p>AIRCRAFT: PC-24</p>	<p>TABLE KEY</p> <ol style="list-style-type: none"> 1. REPAIR CATEGORY 2. NO. INSTALLED 3. NO. REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS
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38. Water/Waste

Sequence No.	Item	1	2	3	4 Change Bar
30-01	Water and Waste System	D	1	0	<p>(M) May be inoperative provided:</p> <ol style="list-style-type: none"> a) Water/waste is drained and system inspected for residual leakage, b) System components are deactivated, and c) Lavatory is secured in the stowed position.

REVISION NO. 4
DATE: 09/29/2022

PAGE NO. 44-1

AIRCRAFT: PC-24	TABLE KEY 1. REPAIR CATEGORY 2. NO. INSTALLED 3. NO. REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS
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44. Cabin Systems

Sequence No.	Item	1	2	3	4	Change Bar
00-01	USB Charging Ports	D	-	0	(M) One or more may be inoperative provided the affected port(s) is/are deactivated.	
10-01	Cabin Core Systems	D	-	0	NOTE: Includes Cabin Management System (CMS) controller, eConnect, XM satellite radio, cabin SATCOM and air-to-ground Broadband internet.	

REVISION NO. 2
DATE: 09/24/2020

PAGE NO. 45-1

<p>AIRCRAFT: PC-24</p>	<p>TABLE KEY</p> <ol style="list-style-type: none"> 1. REPAIR CATEGORY 2. NO. INSTALLED 3. NO. REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS
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45. Central Maintenance System

Sequence No.	Item	1	2	3	4	Change Bar
10-01	Central Maintenance Computer (CMC)	D	1	0	May be inoperative.	

REVISION NO. 4
DATE: 09/29/2022

PAGE NO. 46-1

AIRCRAFT: PC-24	TABLE KEY 1. REPAIR CATEGORY 2. NO. INSTALLED 3. NO. REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS
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46. Information Systems

Sequence No.	Item	1	2	3	4	Change Bar
20-01	Display Units					
-01	Co-Pilot PFD	C	1	0	May be inoperative provided the flight is conducted in single pilot operations.	
-02	Lower MFD	B	1	0	May be inoperative provided: a) Reversionary modes are operational, b) Pilot ESIS is operational, c) Standby heading indication is operative, and d) Single pilot operations are not conducted.	
20-10	Wireless Data Loading System (WDLS)	D	1	0	(M) May be inoperative provided WDLS is deactivated.	
31-01	Cursor Control Device (CCD)	C	1	0	May be inoperative.	

REVISION NO. 4
DATE: 09/29/2022

PAGE NO. 52-1

<p>AIRCRAFT: PC-24</p>	<p>TABLE KEY</p> <ol style="list-style-type: none"> 1. REPAIR CATEGORY 2. NO. INSTALLED 3. NO. REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS
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52. Doors

Sequence No.	Item	1	2	3	4	Change Bar
70-01	Cargo Door Actuation System	D	1	0	(M) May be inoperative provided:	
					<ol style="list-style-type: none"> a) The actuator is electrically deactivated, and b) The cargo door is verified to be properly closed and locked before each flight. 	
70-02	Cargo Door Gas Strut	D	1	0	May be inoperative provided the cargo door remains closed, latched and locked.	

REVISION NO. 4
DATE: 09/29/2022

PAGE NO. 73-1

AIRCRAFT:
PC-24

TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

73. Engine Fuel and Control

Sequence No.	Item	1	2	3	4	Change Bar
21-01	L FADEC TLD/ R FADEC TLD (Ground Only) (Status)	A	2	0	May be displayed provided repairs are made during the next scheduled engine maintenance/120 days (whichever occurs first) from the occurrence of the fault. NOTE: Both of the status messages may be displayed concurrently.	
30-01	Fuel Flow Meter	B	2	1	(O) May be inoperative provided: a) Affected fuel flow (FF), fuel USED and fuel endurance (END) indications are not used, b) FMS fuel predictions are not used, c) Fuel on board is tracked during each flight, and d) Both fuel quantity indication systems are operative. NOTE 1: Fuel AUTO transfer function may be inhibited. NOTE 2: Remaining operative fuel flow (FF) indication may be used.	

REVISION NO. 4
DATE: 09/29/2022

PAGE NO. 79-1

AIRCRAFT: PC-24	TABLE KEY 1. REPAIR CATEGORY 2. NO. INSTALLED 3. NO. REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS
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79. Engine Oil

Sequence No.	Item	1	2	3	4	Change Bar
30-01	Oil Filter Bypass Electrical Indicator	C	2	1	(M) May be inoperative provided associated visual pop-out indicator is verified in (not raised) before each flight.	
30-02	Oil Debris Sensor	C	4	0	(M) May be inoperative provided magnet of affected oil debris sensor is visually inspected for presence of debris before each flight.	

SECTION TWO

CREW ALERTING SYSTEM (CAS) MESSAGE RELIEF

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION	MASTER MINIMUM EQUIPMENT LIST
REVISION NO. 4 DATE: 09/29/2022	PAGE NO. 2-2
AIRCRAFT: PC-24	STATEMENT PAGE

1. Section Two of the MMEL will list only Crew Alerting system (CAS) Messages meeting the following requirements:
 - a) Equipment failure indications(s) that can be used to determine the airworthiness status of the airplane.
 - b) Messages that the crew can act upon from the cockpit with simple troubleshooting procedures without the assistance of a mechanic, and for which the crew has been trained.
 - c) Messages using the new self-diagnostic technology (virtual) actions for which the crew has been trained.
2. CAS message relief items not meeting these requirements will be listed in Section One of the MMEL.

REVISION NO. 4
DATE: 09/29/2022

PAGE NO. 2-3

AIRCRAFT:
PC-24

TABLE KEY

1. REPAIR CATEGORY
2. DISPATCH CONSIDERATION

CAS Messages

Item	1	2	Change Bar
ADS-B In Fail (***) (Advisory)	-	May be displayed provided ADS-B In is considered inoperative.	
AGM 1 DB Fail (Status)	C	(O) May be displayed provided: a) Conventional (non-RNAV/RNP) navigation is sufficient for the intended flight route, b) Current aeronautical information (e.g. charts) is available for the entire route and for the aerodromes to be used, c) Navigation database information is disregarded, d) Radio navigation aids, which are required to be flown for departure, arrival and approach procedures are manually tuned and identified, and e) AGM 1 electronic charts are not used.	
AGM 1+2 DB Fail (Status)	C	(O) May be displayed provided: a) Conventional (non-RNAV/RNP) navigation is sufficient for the intended flight route, b) Current aeronautical information (e.g. charts) is available for the entire route and for the aerodromes to be used, c) Navigation database information is disregarded, d) Radio navigation aids, which are required to be flown for departure, arrival and approach procedures are manually tuned and identified, and e) AGM 1 and 2 electronic charts are not used.	
AGM 2 DB Fail (Status)	C	(O) May be displayed provided: a) Conventional (non-RNAV/RNP) navigation is sufficient for the intended flight route, b) Current aeronautical information (e.g. charts) is available for the entire route and for the aerodromes to be used, c) Navigation database information is disregarded, d) Radio navigation aids, which are required to be flown for departure, arrival and approach procedures are manually tuned and identified, and e) AGM 2 electronic charts are not used.	

REVISION NO. 4
DATE: 09/29/2022

PAGE NO. 2-4

AIRCRAFT:
PC-24

TABLE KEY

1. REPAIR CATEGORY
2. DISPATCH CONSIDERATION

CAS Messages

Item	1	2	Change Bar
AGM1/FMS1 GFP INOP (Status)	C	May be displayed provided operations do not require use of graphical flight planning.	
AGM1/FMS1+2 GFP INOP (Status)	C	May be displayed provide operations do not require use of graphical flight planning.	
AGM1/FMS2 GFP INOP (Status)	C	May be displayed provided both fuel quantity indication systems are considered inoperative.	
AGM2/FMS1 GFP INOP (Status)	C	May be displayed provided both fuel quantity indication systems are considered inoperative.	
AGM2/FMS1+2 GFP INOP (Status)	C	May be displayed provided both fuel quantity indication systems are considered inoperative.	
AGM2/FMS2 GFP INOP (Status)	C	May be displayed provided both fuel quantity indication systems are considered inoperative.	
AIL Trim Fail (Caution)	-	May be displayed provided aileron trim is considered inoperative.	
AP 1 Fail (Advisory)	-	May be displayed provided autopilot 1 is considered inoperative.	
AP 1+2 Fail (Advisory)	-	May be displayed provided autopilot 1 and 2 are considered inoperative.	
AP 2 Fail (Advisory)	-	May be displayed provided autopilot 2 is considered inoperative.	
AT Fail (Advisory)	-	May be displayed provided auto-throttle is considered inoperative.	
ATC Datalink Fail (***) (Caution)	-	May be displayed provided datalink is considered inoperative.	
ATR Disarm (Advisory)	C	May be displayed provided operations are conducted in accordance with airplane flight manual ATR inoperative performance data.	
ATR Unavailable (Caution)	C	May be displayed provided operations are conducted in accordance with airplane flight manual ATR inoperative performance data.	

REVISION NO. 4
DATE: 09/29/2022

PAGE NO. 2-5

AIRCRAFT:
PC-24

TABLE KEY

1. REPAIR CATEGORY
2. DISPATCH CONSIDERATION

CAS Messages

Item	1	2	Change Bar
Anti-Skid Fail (Caution)	-	May be displayed provided anti-skid system is considered inoperative.	
Aural Warning Fault (Advisory)	C	May be displayed.	
Auto Yaw Trim Fail (***) (Advisory)	C	(O) May be displayed provided manual rudder trim is verified operative.	
BAT 1 Fail (Status)	C	(O) May be displayed provided it is verified that SERVICE indication for battery 1 is not illuminated.	
BAT 2 Fail (Status)	C	(O) May be displayed provided it is verified that SERVICE indication for battery 2 is not illuminated.	
CIO 1 Fail (***) (Advisory)	-	May be displayed provided datalink is considered inoperative.	
CIO 2 Fail (***) (Advisory)	-	May be displayed provided HF communications is considered inoperative.	
CVR Fail (***) (Status)	-	May be displayed provided the cockpit voice recorder (CVR) system is considered inoperative.	
CVR+FDR Fail (***) (Status)	-	May be displayed provided the cockpit voice and flight data recorder (CVFDR) is considered inoperative.	
Check DU 3 (Caution)	-	May be displayed provided display unit lower MFD is considered inoperative.	
Check DU 4 (Caution)	-	May be displayed provided display unit co-pilot PFD is considered inoperative.	
DME 1 Fail (Advisory)	C	May be displayed provided: <ol style="list-style-type: none"> a) Operations are conducted under VFR, and b) Applicable airspace requirements are complied with. 	

REVISION NO. 4
DATE: 09/29/2022

PAGE NO. 2-6

AIRCRAFT:
PC-24

TABLE KEY

1. REPAIR CATEGORY
2. DISPATCH CONSIDERATION

CAS Messages

Item	1	2	Change Bar
FD 1 Fail (Advisory)	C	May be displayed provided flight director 1 is not part of the equipment required for intended operation.	
FD 1+2 Fail (Advisory)	C	May be displayed provided flight director 1 and 2 are not part of the equipment required for intended operation.	
FD 2 Fail (Advisory)	C	May be displayed provided flight director 1 and 2 are not part of the equipment required for intended operation.	
FDR Fail (***) (Status)	-	May be displayed provided the FDR is considered inoperative.	
FMS 1 Fail (Advisory)	-	May be displayed provided flight management system (FMS) 1 is considered inoperative.	
FMS 2 Fail (Advisory)	-	May be displayed provided flight management system (FMS) 2 is considered inoperative.	
Fuel Door Open (Caution)	C	(O) May be displayed provided the refuel door is verified closed before each flight.	
Fuel QTY Degrade (Advisory)	-	May be displayed provided both fuel quantity indication systems are considered inoperative.	
GND COOL Fan Fail (Advisory)	-	May be displayed provided dual heat exchanger fan (DHEF) is considered inoperative.	
GPS 1 Fail (Advisory)	C	(O) May be displayed provided: a) GPS 1 is not required for any segment of the intended flight route, and b) Alternate procedures are established and used, where applicable.	
GPS 2 Fail (Advisory)	C	(O) May be displayed provided: a) GPS 2 is not required for any segment of the intended flight route, and b) Alternate procedures are established and used, where applicable.	
Gear Actuator TEMP (Caution)	-	May be displayed provided all landing gear actuator heaters are considered inoperative.	
Gear CTRL Fail (Status)	C	May be displayed.	

REVISION NO. 4
DATE: 09/29/2022

PAGE NO. 2-7

AIRCRAFT:
PC-24

TABLE KEY

1. REPAIR CATEGORY
2. DISPATCH CONSIDERATION

CAS Messages

Item	1	2	Change Bar
HF Fail (***) (Advisory)	-	May be displayed provided HF communications is considered inoperative.	
HF Low PWR (***) (Advisory)	-	May be displayed provided HF communications is considered inoperative.	
HSDI Fail (Caution)	-	May be displayed provided the horizontal stabilizer deice (HSDI) system is considered inoperative.	
IVC 1 Fail (Advisory)	C	May be displayed provided volume for COM1 (VHF 1) and COM5/TEL (SATCOM 1) (if installed) is acceptable to the flightcrew. NOTE: COM5 on KMA-29 audio panel and TEL on KMA-29A audio panel.	
IVC 1+2 Fail (Advisory)	C	May be displayed provided volume for COM1 (VHF 1), COM2 (VHF 2) and COM5/TEL (SATCOM 1) (if installed) is acceptable to the flightcrew. NOTE: COM5 on KMA-29 audio panel and TEL on KMA-29A audio panel.	
IVC 2 Fail (Advisory)	C	May be displayed provided volume for COM2 (VHF 2) is acceptable to the flightcrew.	
Ice Detector Fail (Caution)	-	May be displayed provided one ice detector is considered inoperative.	
L Bleed Off/Fail (Caution)	C	(O) May be displayed provided: a) Left bleed air shut-off valve (SOV) is considered inoperative, b) X-bleed is selected to CLOSE, and c) ECS BLEED selector is verified operative.	
L Bleed TEMP Fail (Caution)	-	May be displayed provided left diverter valve is considered inoperative.	
L FADEC TLD/R FADEC TLD (Ground Only) (Status)	A	May be displayed provided repairs are made during the next scheduled engine maintenance/120 days (whichever occurs first) from the occurrence of the fault. NOTE: Both of the status messages may be displayed concurrently.	

REVISION NO. 4
DATE: 09/29/2022

PAGE NO. 2-8

AIRCRAFT:
PC-24

TABLE KEY

1. REPAIR CATEGORY
2. DISPATCH CONSIDERATION

CAS Messages

Item	1	2	Change Bar
L Fuel QTY Fail (Caution)	-	May be displayed provided the left fuel quantity indication system is considered inoperative.	
L NAI Fail (Caution)	-	May be displayed provided the left nacelle anti-ice valve is considered inoperative in the closed position.	
L Oil LVL Low (Caution)	C	May be displayed provided left engine oil level sight glass is visually inspected before each engine ground start.	
L XFER Valve Fail (Caution)	-	May be displayed provided the left refuel/defuel shutoff valve is considered inoperative.	
L+R Ice DTECT Fail (Caution)	-	May be displayed provided both ice detectors are considered inoperative.	
Lift Dump Fail (Caution)	-	May be displayed provided ground spoiler system is considered inoperative.	
MAINT Memory Full (Status)	D	May be displayed.	
MFS Degrade (Caution)	-	May be displayed provided multi-function spoiler (MFS) system is considered inoperative.	
MMDR 2 Fail (Caution)	C	(O) May be display provided: <ol style="list-style-type: none"> a) Operations are conducted under VFR over routes navigated by reference to visual landmarks, b) Applicable airspace requirements for the intended flight route are complied with, c) NAV 2 is not required for any segment of the intended flight route, d) Datalink (if installed) is considered inoperative, and e) Alternate procedures are established and used, if applicable. 	
Maintenance (Status)	A	May be displayed provided repairs are made prior to completion of the next scheduled maintenance check.	
Maintenance Fail (Advisory)	-	May be displayed provided the central maintenance computer (CMC) is considered inoperative.	
NAI Fail On (Advisory)	-	May be displayed provided both nacelle anti-ice valves are considered inoperative in the open position.	
NTO Exceedance (Status)	A	May be displayed for a maximum of 3 flights.	

REVISION NO. 4
DATE: 09/29/2022

PAGE NO. 2-9

AIRCRAFT:
PC-24

TABLE KEY

1. REPAIR CATEGORY
2. DISPATCH CONSIDERATION

CAS Messages

Item	1	2	Change Bar
Processor 1 Fail (***) (Advisory)	-	May be displayed for a maximum of 3 flights.	
R Bleed Off/Fail (Caution)	B	(O) May be displayed provided: a) Right bleed air shut-off valve (SOV) is considered inoperative, b) X-bleed is selected to CLOSE, and c) ECS BLEED selector is verified operative.	
R Bleed TEMP Fail (Caution)	-	May be displayed provided right diverter valve is considered inoperative.	
R FADEC TLD (Status)	A	May be displayed provided repairs are made during the next scheduled engine maintenance/120 days (whichever occurs first) from the occurrence of the fault. NOTE: Both of the status messages may be displayed concurrently.	
R Fuel QTY Fail (Caution)	-	May be displayed provided the right fuel quantity indication system is considered inoperative.	
R NAI Fail (Caution)	-	May be displayed provided the right nacelle anti-ice valve is considered inoperative in the closed position.	
R Oil LVL Low (Caution)	C	May be displayed provided right engine oil level sight glass is visually inspected before each engine ground start.	
R XFER Valve Fail (Caution)	-	May be displayed provided the right refuel/defuel shutoff valve is considered inoperative.	
RAAS Fail (Advisory)	-	May be displayed provided the RAAS is considered inoperative.	
Rad Alt 1 Fail (Caution)	-	May be displayed provided the radar altimeter is considered inoperative.	
Rudder Bias 1 Fail (Advisory)	-	May be displayed provided yaw damper 1 is considered inoperative.	
Rudder Bias 2 Fail (Advisory)	-	May be displayed provided yaw damper 2 is considered inoperative.	

REVISION NO. 4
DATE: 09/29/2022

PAGE NO. 2-10

AIRCRAFT:
PC-24

TABLE KEY

1. REPAIR CATEGORY
2. DISPATCH CONSIDERATION

CAS Messages

Item	1	2	Change Bar
SATCOM 1 Data Fail (***) (Advisory)	D	May be displayed provided procedures do not require use of SATCOM data.	
SATCOM 1 Fail (***) (Advisory))	D	May be displayed provided procedures do not require use of SATCOM.	
SATCOM 1 Voice Fail (***) (Advisory)	D	May be displayed provided procedures do not require use of SATCOM voice.	
SATCOM 2 Fail (***) (Advisory)	D	May be displayed provided procedures do not require use of SATCOM.	
TAWS Fail (Advisory)	-	May be displayed provided enhanced ground proximity warning system (EGPWS) is considered inoperative.	
TCAS Fail (Advisory)	-	May be displayed provided: a) Traffic alert and collision avoidance system (TCAS II) is considered inoperative, and b) ADS-B In is considered inoperative.	
TF 1 Fail (***) (Advisory)	C	May be displayed.	
TF 1+2 Fail (***) (Advisory)	C	May be displayed.	
TF 2 Fail (***) (Advisory)	C	May be displayed.	
Terrain Fail (Advisory)	-	May be displayed provided enhanced ground proximity warning system (EGPWS) is considered inoperative.	
WAI Degrade (Status)	C	(O) May be displayed provided: a) Operations are not conducted in known or forecast icing conditions, and b) The alternate power supply for DCPU4 is verified to operate normally.	
WAI Fail (Caution)	C	May be displayed provided: a) Operations are not conducted in known or forecast icing conditions, and b) "WAI Sensor Degrade" advisory CAS message is not displayed.	

REVISION NO. 4
DATE: 09/29/2022

PAGE NO. 2-11

AIRCRAFT:
PC-24

TABLE KEY

1. REPAIR CATEGORY
2. DISPATCH CONSIDERATION

CAS Messages

Item	1	2	Change Bar
WSHLD De-Fog Degrade (Caution)	C	(O) May be displayed provided: <ol style="list-style-type: none"> a) ECS BLEED selector is set to R, b) X-bleed is selected to CLOSE, c) Operations are not conducted in known or forecast icing conditions, d) Flight is conducted at or below FL 250, and e) The cockpit air distribution and temperature is acceptable to the flightcrew. 	
WSHLD Sensor Degrade (Status)	C	(O) May be displayed provided windshield electrical heating MAN HI mode is verified operative.	
X-Bleed Fail Closed (Caution)	-	May be displayed provided the cross bleed valve (XBV) is considered inoperative in the closed position.	
XPDR 1 Fail (Caution)	-	May be displayed provided SSR transponder (mode A/C and S) 1 is considered inoperative.	
XPDR 2 Fail (Caution)	-	May be displayed provided SSR transponder (mode A/C and S) 2 is considered inoperative.	
Yaw Damper 1 Fail (Advisory)	-	May be displayed provided yaw damper 1 is considered inoperative.	
Yaw Damper 2 Fail (Advisory)	-	May be displayed provided yaw damper 2 is considered inoperative.	