



Transport
Canada

Transports
Canada

TRANSPORT CANADA

MMEL SUPPLEMENT

TO

AW139

MASTER MINIMUM EQUIPMENT LIST

DocuSigned by:

Jason Christopher Randall

043E458EB4D44B5...

Chief, Flight Test
National Aircraft Certification
for Minister of Transport

December 07, 2023

Revision: 6

Canada

INTENTIONALLY LEFT BLANK

TRANSPORT CANADA
Master Minimum Equipment List
Supplement
AW139

Page: I
Revision: 6
Dec. 07, 2023

List of Effective Pages

Title Page

List of Effective Pages	I	Revision 6	Dec. 07, 2023
-------------------------	---	------------	---------------

Log of Revisions	II	Revision 6	Dec. 07, 2023
------------------	----	------------	---------------

Reasons for Changes	III	Revision 6	Dec. 07, 2023
---------------------	-----	------------	---------------

Introduction	IV	Revision 6	Dec. 07, 2023
--------------	----	------------	---------------

Pages	21-1	Revision 6	Dec. 07, 2023
-------	------	------------	---------------

22-1	Revision 6	Dec. 07, 2023
------	------------	---------------

22-2	Revision 6	Dec. 07, 2023
------	------------	---------------

23-1	Revision 6	Dec. 07, 2023
------	------------	---------------

24-1	Revision 6	Dec. 07, 2023
------	------------	---------------

25-1	Revision 6	Dec. 07, 2023
------	------------	---------------

25-2	Revision 6	Dec. 07, 2023
------	------------	---------------

26-1	Revision 6	Dec. 07, 2023
------	------------	---------------

30-1	Revision 6	Dec. 07, 2023
------	------------	---------------

31-1	Revision 6	Dec. 07, 2023
------	------------	---------------

31-2	Revision 6	Dec. 07, 2023
------	------------	---------------

33-1	Revision 6	Dec. 07, 2023
------	------------	---------------

34-1	Revision 6	Dec. 07, 2023
------	------------	---------------

34-2	Revision 6	Dec. 07, 2023
------	------------	---------------

35-1	Revision 6	Dec. 07, 2023
------	------------	---------------

TRANSPORT CANADA
Master Minimum Equipment List
Supplement
AW139

Page: II
Revision: 6
Dec. 07, 2023

Log of Revisions

Revision No.	Date	Page Number	Initials
Original	25 April 2007	All	N/A
Revision 1	9 February 2011	I, II, III, IV, 22-1, 25-1, 30-1, 31-1	N/A
Revision 2	27 June 2012	I, II, III, IV, 22-1, 22-2, 29-1	N/A
Revision 3	23 September 2013	I, II, III, IV, 25-1, 29-1, 30-1, 34-2	N/A
Revision 4	1 December 2014	I, II, III, IV, 34-1	N/A
Revision 5	5 May 2017	I, II, III, IV, 21-1, 24-1, 25-1, 31-2, 33-1, 35-1	N/A
Revision 6	Dec. 07, 2023	All	N/A

TRANSPORT CANADA
Master Minimum Equipment List
Supplement
AW139

Page: III
Revision: 6
Dec. 07, 2023

Reasons for Changes

General	<ul style="list-style-type: none">➤ Alignment with:<ul style="list-style-type: none">– EASA MMEL Revisions H, I, and J– TC MMEL Guidance Book (GB) Revision 8➤ Changed date format from DD MMM YYYY to MMM DD, YYYY.➤ Deleted “Agusta”.
21-30	Renumbered from 21-10.
22-2	Revised item title and Number Required as per EASA MMEL.
24-1	Revised item title and proviso a) as per EASA MMEL. Replaced (M) with (O).
25-1	Editorial change in Note. No technical changes.
25-2	Revised as per GB item 25-60-1.
25-3	New item as per GB item 25-60-2.
25-4	New item as per GB item 25-20-1.
26-2	New item as per GB item 26-20-4.
31-1	Revised as per GB item 31-30-1.
31-2	Revised as per GB item 31-20-1.
33-9	Revised first relief as per GB item 33-40-2.
33-20	Renumbered from 33-15.
34-5	Removed from TC MMEL Supplement as item had been previously deleted.
34-7	Revised as per GB item 34-40-4.
34-9	Removed from TC MMEL Supplement as item had been previously deleted.
34-13	Deleted. Refer to EASA MMEL.
34-17	New item as per GB item 34-40-4.
34-20	Renumbered from 34-16.

TRANSPORT CANADA
Master Minimum Equipment List
Supplement
AW139

Page: IV
Revision: 6
Dec. 07, 2023

Introduction

This Transport Canada MMEL Supplement constitutes a mandatory change to the EASA-Approved MMEL for the AW139.

This MMEL Supplement must be used in conjunction with the EASA-Approved MMEL (Revision J, or later applicable revision).

The information contained supersedes the existing EASA MMEL only for those items listed herein. For items not contained in this supplement, consult the EASA-Approved MMEL.

Operating and/or maintenance procedures referred to in this supplement are the same as those supporting the EASA MMEL unless otherwise indicated. Procedures required by the Transport Canada MMEL Supplement, not indicated in the EASA MMEL, must be provided by the operator.

The EASA MMEL makes reference to “Operational Requirements”. Unless such an entry is superseded by an item in this supplement, all references should be made to the applicable Canadian regulations.

This MMEL supplement uses the same definitions and symbols as the EASA MMEL and the Transport Canada MMEL/MEL Policy and Procedures Manual (TP 9155). Items which have no MMEL relief (i.e. relief withdrawn) are not categorized.

Comments and inquiries should be directed to:

Transport Canada
Chief, Flight Test - AARDC
National Aircraft Certification

TRANSPORT CANADA

Master Minimum Equipment List Supplement

Aircraft: AW139			Revision 6 Date: Dec. 07, 2023		Page: 21-1
System & Sequence Numbers		1.	2.	3.	4.
				Number Installed	Number Required for Dispatch
					Remarks or Exceptions
21	COCKPIT AND CABIN VENTILATION				
30.	Cabin Environmental Control System (ECS) (STC O-LSH13-102/D)	D	1	0	May be inoperative provided operations do not require its use.

TRANSPORT CANADA
Master Minimum Equipment List
Supplement

Aircraft: AW139			Revision 6 Date: Dec. 07, 2023		Page: 22-1
System & Sequence Numbers		1.	2.	Number Installed	3. Number Required for Dispatch
					4. Remarks or Exceptions
22	AUTO FLIGHT				
1.	Autopilot	A	2	1	<p>One autopilot channel may be inoperative provided:</p> <ul style="list-style-type: none"> a) Flight is restricted to day VFR, b) Pilot must fly manually, c) RFM limitations applicable to AP single channel failure must never be exceeded, d) Dispatch is not allowed from a station where repair is possible, and e) Only one flight or a series of flights NECESSARY to reach the repair station is/are allowed.
2.	Trim Actuators (pitch/roll/yaw)	A	3	0	Per EASA/Agusta MMEL provisos, but relief is only for Day VFR.
3a.	Standby Attitude Indicator (Electronic Standby Instrument System, ESIS)	B	1	0	<p>The Electronic Standby Instrument System may be inoperative provided:</p> <ul style="list-style-type: none"> a) Flight is restricted to day VFR, and b) RFM procedure for AFCS DEGRADED is followed.
4.	Force Trim	B	1	0	<p>Force Trim may be inoperative provided:</p> <ul style="list-style-type: none"> a) Flight is restricted to day VFR, and b) Two pilot operations, and one pilot must fly manually at all times.

TRANSPORT CANADA
Master Minimum Equipment List
Supplement

Aircraft: AW139			Revision 6 Date: Dec. 07, 2023		Page: 22-2
System & Sequence Numbers	1.	2.	Number Installed		
			3.	Number Required for Dispatch	
			4.	Remarks or Exceptions	
22	AUTO FLIGHT (cont'd)				
5.	Attitude Heading Reference System (AHRS)	B	2	1	One AHRS may be inoperative provided: a) Flight is restricted to day VFR, b) Two pilot operations, and one pilot must fly manually at all times, c) Electronic Standby Instrument System is operative, and d) RFM procedure for single AHRS failure is followed.
6.	Air Data System (ADS)	B	2	1	One ADS may be inoperative provided: a) Flight is restricted to day VFR, b) Two pilot operations, and one pilot must fly manually at all times, c) Electronic Standby Instrument System is operative, and d) RFM procedure for single ADS failure is followed.

TRANSPORT CANADA

Master Minimum Equipment List Supplement

Aircraft: AW139		Revision 6 Date: Dec. 07, 2023		Page: 23-1	
System & Sequence Numbers		1.	2.	Number Installed	
				3.	Number Required for Dispatch
				4.	Remarks or Exceptions
23	COMMUNICATIONS				
2.	Communications Systems (VHF)	C	2	1	One may be inoperative for VFR.

TRANSPORT CANADA
Master Minimum Equipment List
Supplement

Aircraft: AW139			Revision 6 Date: Dec. 07, 2023		Page: 24-1
System & Sequence Numbers		1.	2.	Number Installed	
				3.	Number Required for Dispatch
				4.	Remarks or Exceptions
24	ELECTRICAL POWER				
1.	Starter/Generator (electrical power generation function)	A	2	1	(O) One generator may be inoperative provided: a) The relevant GEN 1 or GEN 2 control switch is set to OFF position, b) Flight is restricted to day VFR, c) Aircraft is within 30 minutes flying time of a suitable landing site at all times, d) Dispatch is not allowed from a station where repair is possible, and e) Relief is only for one flight or a series of flights necessary to reach a repair station.
5.	Ground Auxiliary Power (STC O-LSH13-102/D)	D	1	0	May be inoperative provided operations do not require its use.
6.	Cabin Power System (STC O-LSH13-102/D)	D	1	0	May be inoperative provided operations do not require its use.

TRANSPORT CANADA
Master Minimum Equipment List
Supplement

Aircraft: AW139			Revision 6 Date: Dec. 07, 2023		Page: 25-1
System & Sequence Numbers		1.	2.	Number Installed	
				3.	Number Required for Dispatch
				4.	Remarks or Exceptions
25	EQUIPMENT/ FURNISHINGS				
1.	Passenger Seat	D	-	-	(M) One or more may be inoperative provided: a) It does not block or restrict access to an emergency exit, and b) The affected seat(s) is not used and is blocked and placarded "DO NOT OCCUPY". NOTE: A seat with an inoperative seat belt or shoulder harness is considered inoperative.
2. ***	Emergency Locator Transmitter (ELT)				
	1) Fixed ELTs	A	-	-	(M) May be inoperative provided: a) Placard is displayed in the flight deck indicating the date ELT has been removed, and b) Repair or replacement is made within the time interval prescribed by regulations.
		D	-	-	Any in excess of those required by regulations may be inoperative or missing.
	2) Survival Type ELTs	D	-	-	Any in excess of those required by regulations may be inoperative or missing.

TRANSPORT CANADA
Master Minimum Equipment List
Supplement

Aircraft:				Revision 6		Page:	
AW139				Date: Dec. 07, 2023		25-2	
System & Sequence Numbers		1.	2.	Number Installed			
				3.	Number Required for Dispatch		
					4.	Remarks or Exceptions	
25	EQUIPMENT/ FURNISHINGS						
3. ***	First Aid Kit (FAK)	D	-	-	(O)	Any kit or items contained in the kit in excess of those required by regulations may be incomplete or missing provided: a) Required distribution is maintained, and b) Procedures are established and used to alert crew members of missing or incomplete kits.	
4. ***	Non-Essential Equipment and Furnishings (NEF)		-	0		May be inoperative, damaged, or missing provided that the item(s) is deferred in accordance with the NEF program outlined in the operator's Maintenance Control Manual (MCM) or Maintenance Control System, as applicable. (M) and (O) procedures, if required, must be available to the flight crew and included in the operator's appropriate document.	
5.	Torches (Cockpit/Cabin)	-	-	-		Not installed equipment. Not required in MMEL.	
11.	Map/QRH Holder	D	-	0		May be inoperative provided Single Pilot Night VFR operations are not conducted.	
20.	Cabin Equipment (Includes Cabin NVG Floodlights, Cabin Reading Lights, EMS NVG Clock & Temp Display) (STC O-LSH13-102/D)	D	-	0		May be inoperative provided operations do not require its use.	

TRANSPORT CANADA

Master Minimum Equipment List Supplement

Aircraft: AW139			Revision 6 Date: Dec. 07, 2023		Page: 26-1
System & Sequence Numbers		1.	2.	Number Installed	
				3.	Number Required for Dispatch
				4.	Remarks or Exceptions
26	FIRE PROTECTION				
2.	Portable Fire Extinguisher	D	-	-	(M)(O) Any in excess of those required by regulations may be inoperative or missing provided: a) The inoperative fire extinguisher is removed from the installed location and its location is placarded INOPERATIVE, b) Required distribution is maintained, and c) Procedures are established and used to alert crew members of missing equipment.

TRANSPORT CANADA
Master Minimum Equipment List
Supplement

Aircraft: AW139			Revision 6 Date: Dec. 07, 2023		Page: 30-1
System & Sequence Numbers			1.	2.	Number Installed
				3.	Number Required for Dispatch
				4.	Remarks or Exceptions
30	ICE AND RAIN PROTECTION				
1.	Windshield Wiper System	C	1	0	May be inoperative for VFR provided aircraft is not flown in precipitation.
2.	Pitot Heaters	B	2	1	One may be inoperative provided outside air temperature is above 10°C.
		C	2	0	May be inoperative for day VFR provided there is no visible moisture and flight is not conducted in known or forecast icing conditions.
		C	2	0	May be inoperative for day VFR provided outside air temperature is above +5°C.

TRANSPORT CANADA
Master Minimum Equipment List
Supplement

Aircraft: AW139			Revision 6 Date: Dec. 07, 2023		Page: 31-1
System & Sequence Numbers		1.	2.	Number Installed	
				3.	Number Required for Dispatch
				4.	Remarks or Exceptions
31	INDICATING/RECORDING SYSTEMS				
1.	Combination Recorder (Combined CVR/FDR Unit)	A	1	0	Flight data recorder or cockpit voice recorder function may be inoperative provided: a) The other function is operative, and b) Repairs are made within three flight days.
		D	1	0	May be inoperative provided flight data recorder and cockpit voice recorder functions are not required by regulations.
2.	Clock Displaying Hours, Minutes and Seconds with Sweep-Second Pointer or Digital Presentation	C	2	0	May be inoperative provided a reliable and functioning timepiece is readily available to all flight crew members.
3.	Displays				
	(1) Single Pilot Operation	C	4	2	One or both co-pilot display may be inoperative provided: a) The Electronic Standby Instrument System (ESIS) is operative, and b) Flight is conducted under day VFR.
	(2) Dual Pilot Operation	A	4	3	One co-pilot display may be inoperative provided: a) The Electronic Standby Instrument System (ESIS) is operative, b) Flight is conducted under day VFR, c) Dispatch is not allowed from a station where repair is possible, and d) Relief is only for one flight or a series of flights necessary to reach a repair station.

TRANSPORT CANADA
Master Minimum Equipment List
Supplement

Aircraft: AW139			Revision 6 Date: Dec. 07, 2023		Page: 31-2
System & Sequence Numbers		1.	2.	Number Installed	
				3.	Number Required for Dispatch
				4.	Remarks or Exceptions
31	INDICATING/RECORDING SYSTEMS (cont'd)				
10.	Fwd/Aft Facing Camera/ Dome Camera System (STC O-LSH13-102/D)	D	1	0	May be partially or wholly inoperative.
11.	Weight on Wheels (WOW) System (STC O-LSH13-102/D)	D	1	0	
12.	Trans-Cal Model SSD120-30N Altitude Encoder/Digitizer (STC O-LSH13-102/D)	D	1	0	

TRANSPORT CANADA
Master Minimum Equipment List
Supplement

Aircraft: AW139			Revision 6 Date: Dec. 07, 2023		Page: 33-1
System & Sequence Numbers			1.	2.	Number Installed
					3. Number Required for Dispatch
					4. Remarks or Exceptions
33	LIGHTS				
9.	Anti-Collision / Strobe Lights	C	1	0	May be inoperative for day operations.
		C	2	1	
20.	Cockpit Dome Light Timer System (STC O-LSH13-102/D)	D	1	0	

TRANSPORT CANADA
Master Minimum Equipment List
Supplement

Aircraft:			Revision 6			Page:
AW139			Date: Dec. 07, 2023			34-1
System & Sequence Numbers		1.	2.	Number Installed		
				3.	Number Required for Dispatch	
					4.	Remarks or Exceptions
34	NAVIGATION					
4.	Transponder	C	-	0		May be inoperative provided ATC authorizes the flight, if required.
		D	-	0		May be inoperative provided aircraft operates in airspace where procedures do not require its use.
7. ***	Traffic Collision Avoidance System	C	1	0	(M)	May be inoperative provided: a) Not required by regulations, b) System is deactivated and secured, and c) Enroute or approach procedures do not require its use.
8.	Moving Map Display	-	-	-		Refer to item 31-3.
10. ***	Enhanced Ground Proximity Warning System (EGPWS) / Terrain Awareness Warning System (TAWS)	C	1	0		
11.	Flight Management System (FMS)	C	2	1		One FMS may be inoperative for VFR.
12. ***	Flight Director (FD)	C	2	1		
13.	Flight Management System (FMS) Database					Deleted in Revision 6 Refer to EASA MMEL

TRANSPORT CANADA
Master Minimum Equipment List
Supplement

Aircraft:			Revision 6		Page:
AW139			Date: Dec. 07, 2023		34-2
System & Sequence Numbers	1.	2.	Number Installed		
			3.	Number Required for Dispatch	
				4.	Remarks or Exceptions
34	NAVIGATION (cont'd)				
17. ***	TCAS II	C	1	0	(M) May be inoperative provided: a) Not required by regulations, b) System is deactivated and secured, and c) Enroute or approach procedures do not require its use.
	17a and 17b				No change from EASA MMEL
20.	Copilot Cursor Control Device (CCD)	C	1	0	Co-pilot's Cursor Control Device may be inoperative provided: a) Flight is restricted to day VFR, b) Electronic Standby Instrument System is operative, and c) Copilot MCDU is operative. No relief is allowed for Pilot CCD.

TRANSPORT CANADA
Master Minimum Equipment List
Supplement

Aircraft: AW139			Revision 6 Date: Dec. 07, 2023		Page: 35-1
System & Sequence Numbers		1.	2.	Number Installed	
				3.	Number Required for Dispatch
				4.	Remarks or Exceptions
35	OXYGEN				
1.	Gaseous Medical Oxygen System (GMOS) (STC O-LSH13-102/D)	D	1	0	May be inoperative provided operations do not require its use.