



U.S. Department of Transportation
Federal Aviation Administration
Washington, D.C.

Master Minimum Equipment List

MD Helicopters Inc. (MDHI)

Model 369 series, 500N, and 600N

Revision: 1

Date: 07/03/2012

/S/

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U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION MASTER MINIMUM EQUIPMENT LIST		
AIRCRAFT: MDHI 369 series/500N/600N	REVISION NO. 1 DATE: 07/03/2012	PAGE NO. V
DEFINITIONS		

The Definitions must be inserted here in each Minimum Equipment List (MEL) from current FAA MMEL Policy Letter PL-25, MMEL DEFINITIONS in accordance with current FAA MMEL Policy Letter PL-70, DEFINITIONS REQUIRED IN MEL's.

The 14 CFR Regulatory requirements applicable to specific MMEL chapters can be found in PL-025, Appendix A. Regulatory requirements must be incorporated into specific MEL relief by the MEL user in accordance with the kinds of operations being conducted by the user.

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PREAMBLE		

The applicable preamble must be inserted here in each Minimum Equipment List (MEL) from current FAA MMEL Policy Letter PL-34, MMEL AND MEL PREAMBLE, or FAA MMEL Policy Letter PL-36, 14 CFR PART 91 MEL APPROVAL.

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GUIDELINES FOR (M) & (O) PROCEDURES

System	Item	Explanation
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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:

21	2	(M) Procedure to inspect and deactivate the Bleed Air Heating System.	
21	4	(M) Procedure to inspect, deactivate, and secure the Air Conditioner System.	
21	5	(M) Procedure to inspect, deactivate, and secure Bleed Air ECU system	
21	6	(M) Procedure to isolate fuel supply and deactivate the electrical supply.	
22	1	(M) Procedure to ensure the Yaw Stability Augmentation System is deactivated and secure.	
22	2	(M) Procedure to ensure Autopilot is deactivated and secure.	
22	3	(M) Procedure to ensure the Stability Augmentation System (SAS) is deactivated and secure.	
24	2	(M) Procedure to disconnect and secure the battery.	
30	1	(M) Procedure to inspect and secure the anti-ice valve in the closed position.	
30	4	(M) Procedure to inspect and determine the anti-ice airframe fuel filter is clear of ice build up.	
31	2	(O)May be inoperative provided alternate means is utilized for recording time in service.	
65	1	(O)May be inoperative provided a check is performed to determine the rotor disc is free.	

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SYSTEM & SEQUENCE NUMBER		1. REPAIR CATEGORY			
		2. NUMBER INSTALLED			
		3. NUMBER REQUIRED FOR DISPATCH			
		4. REMARKS & EXCEPTIONS			
22. AUTO FLIGHT					
1.	Yaw Stability Augmentation System (SAS) (Model 500N and 600N only)	C	1	0	(M) May be inoperative if the system is deactivated and secured.
2. ***	Autopilot	C	-	0	(M) May be inoperative if the system is deactivated and secured.
3. ***	SAS	C	-	0	(M) May be inoperative if the system is deactivated and secured.

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		2. NUMBER INSTALLED				
		3. NUMBER REQUIRED FOR DISPATCH				
		4. REMARKS & EXCEPTIONS				
23. COMMUNICATIONS						
1.	Communications System:(FM,HF, UHF, VHF, etc.)	C	-	0	As required by 14 CFR.	
2. ***	Cockpit / Cabin Speaker	C	-	0	As required by 14 CFR.	
3. ***	Cabin ICS System	C	-	0		
4. ***	External Loud Speaker	C	-	0		
5. ***	Cockpit ICS System (Except 600N)	C	-	0		
6. ***	Audio Panel	C	-	0		I

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	2. NUMBER INSTALLED				
	3. NUMBER REQUIRED FOR DISPATCH				
	4. REMARKS & EXCEPTIONS				
24. ELECTRICAL POWER					
1.	Generator Caution System	B	1	0	May be inoperative provided ammeter is operation
2, ***	Battery (Second)	C	-	0	(M)May be inoperative provided: a) Battery is disconnected and secured, and b) Battery remains installed. OR c) Battery is removed, and d) Appropriate ballast is installed. OR e) Battery is removed, and f) Weight and balance is revised.

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	2. NUMBER INSTALLED					
	3. NUMBER REQUIRED FOR DISPATCH					
	4. REMARKS & EXCEPTIONS					
25. EQUIPMENT / FURNISHINGS						
1.	Crew Member Shoulder Harness	B	1	0		
2.	Passenger Seat Belts	C	-	0	One required for each occupied seat. If belt is inoperative or missing, seat must be blocked and placarded.	
3.	Passenger Shoulder Harness	C	-	0	As required by 14 CFR.	
4.	Non-Essential Equipment & Furnishings (NEF)	C	-	0	May be inoperative, damaged or missing provided that 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 flight crew and included in the operator's appropriate document.	
5.	Cargo Suspension System	C	-	0		
6. ***	Hoist System	C	-	0	May be inoperative provided system is deactivated and secured.	
7. ***	Litter Kit	C	-	0		

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		3. NUMBER REQUIRED FOR DISPATCH				
		4. REMARKS & EXCEPTIONS				
25. EQUIPMENT / FURNISHINGS						
8. ***	EMS Equipment	C	-	0	May be inoperative provided system is deactivated and secured. (M) and (O) procedures may be required and included in the operator's appropriate document.	
9. ***	Emergency Locator Transmitter (ELT)	C	-	0	As required by 14 CFR.	
10. ***	Flotation Inflation System	C	-	0	As required by 14 CFR.	
11. ***	Sonic Locator	C	-	0		
12. ***	Forward Looking Infra Red (FLIR)	C	-	0		

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	2. NUMBER INSTALLED				
	3. NUMBER REQUIRED FOR DISPATCH				
	4. REMARKS & EXCEPTIONS				
28. FUEL					
1.	Fuel Quantity Gauge	B	1	0	Deleted
2. ***	Auxiliary Fuel Tank	C	-	0	May be inoperative provided: a) Flight is not predicated upon the use of the system, and b) Auxiliary tank fuel is considered in weight and balance computations.
3. ***	Fuel Totalizer System	C	-	0	May be inoperative provided fuel quantity guage is operative.

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	3. NUMBER REQUIRED FOR DISPATCH				
	4. REMARKS & EXCEPTIONS				
30. ICE and RAIN PROTECTION					
1.	Engine Anti-ice System	B	1	0	(M)May be inoperative provided known and forecast conditions for flight are at ambient temperatures above +4 degrees C with no visible moisture.
2. ***	Pitot Heater	C	-	0	May be inoperative provided: a) OAT is above 0 degrees C. OR b) Operations are not conducted in visible moisture.
3. ***	Automatic Engine Reignition kit	C	-	0	May be inoperative provided aircraft is not operated in falling and/or blowing snow.
4. ***	Anti-ice Airframe Fuel Filter Warning Light System	C	-	0	(M)May be inoperative provided known and forecast conditions for flight are at ambient temperatures above +5 degrees C.

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	2. NUMBER INSTALLED				
	3. NUMBER REQUIRED FOR DISPATCH				
	4. REMARKS & EXCEPTIONS				
31. INDICATING / RECORDING SYSTEMS					
1.	Clock, Displaying Hours, Minutes and Seconds, with Sweep Second Pointer or Electric Digital Clock.	C	1	0	
2.	Hour Meter	C	-	0	(O)May be inoperative provided alternate means is utilized for recording time in service.
3.	Elapsed Timer	C	-		
4.	Aircraft/Engine Monitoring System.	C	-		
5.	Collective Hobbs Meter	C	-		

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		2. NUMBER INSTALLED				
		3. NUMBER REQUIRED FOR DISPATCH				
		4. REMARKS & EXCEPTIONS				
33. LIGHTING						
1.	Position Light System	C	1	0	May be inoperative for day.	
2.	Anti-Collision Light System	C	1	0	May be inoperative for day.	
3.	Landing Light	C	1	0	As required by 14 CFR.	
4.	Cockpit Instrument Lighting System(s)	B	-	0	May be inoperative provided: a) Sufficient lighting is available to make each required instrument, control and other device for which it is provided easily readable, b) Direct rays and reflections do not impair visibility either inside or outside the aircraft, c) Lighting intensity can be controlled or preset to a satisfactory level for the expected flight condition, and d) Lighting configuration at dispatch is acceptable to the pilot.	
5.	Cabin Lighting System	C	1	0		
6.	Cockpit Utility Light	C	1	0		

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	3. NUMBER REQUIRED FOR DISPATCH					
	4. REMARKS & EXCEPTIONS					
33. LIGHTING						
7. ***	Strobe Light System	C	-	0		
8. ***	Taxi Light	C	-	0		
9. ***	Search Light	C	-	0		
10. ***	External Utility Lights	C	-	0		
11. ***	Supplemental Lighting System	C	-	0		
12. ***	NVG Compatible Lighting System	C	-	0	Unaided operation (without NVG's) may be permitted with inoperative NVG supplemental lights; cracked or missing filters; provided the remaining lights are:	
					<ul style="list-style-type: none"> a) Sufficient to clearly illuminate all required instruments, controls, and other devices for which they are provided. b) Positioned so that direct rays are shielded from flight crew-members eyes, and c) Lighting configuration and intensity is acceptable to the flight crew. 	

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	3. NUMBER REQUIRED FOR DISPATCH					
	4. REMARKS & EXCEPTIONS					
34. NAVIGATION						
1. ***	Gyroscopic Rate of Turn with Slip Indicator	C	-	0	As required by 14 CFR.	
2. ***	Gyroscopic Bank and Pitch Indicator	C	-	0	As required by 14 CFR.	
3. ***	Directional Gyro	C	-	0	As required by 14 CFR.	
4. ***	Vertical Speed Indicator	C	-	0	As required by 14 CFR.	
5. ***	ATC Transponder	C	-	0	As required by 14 CFR.	
6. ***	Navigation Equipment	C	-	0	As required by 14 CFR.	
7. ***	Weather Radar/ Thunderstorm Detection Equipment	C	-	0	As required by 14 CFR.	
8. ***	Marker Beacon	C	-	0	As required by 14 CFR.	
9. ***	Flight Director	C	-	0		
10. ***	Radar Altimeter	C	-	0		

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		4. REMARKS & EXCEPTIONS				
34. NAVIGATION						
11. ***	Altitude Encoder	C	-	0	As required by 14 CFR.	
12. ***	DME	C	-	0	As required by 14 CFR.	
13. ***	RMI	C	-	0		
14. ***	Standby Attitude Indicator	C	-	0	As required by 14 CFR.	
15. ***	Primary Flight Display (PFD) / Multi- Functional Display (MFD)	C	-	0	As required by 14 CFR.	
16. ***	Air Data Computer (ADC) / Air Temperature Probe (OAT)	C	-	0	As required by 14 CFR.	
17. ***	Attitude and Heading Reference System (AHRS)	C	-	0	As required by 14 CFR.	
18. ***	Magnetometer	C	-	0	As required by 14 CFR.	
19. ***	Ground Positioning System (GPS)	C	-	0	As required by 14 CFR.	

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		3. NUMBER REQUIRED FOR DISPATCH				
		4. REMARKS & EXCEPTIONS				
52. DOORS						
1. ***	Door Warning System	C	-	0		

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		2. NUMBER INSTALLED				
		3. NUMBER REQUIRED FOR DISPATCH				
		4. REMARKS & EXCEPTIONS				
65. ROTORS						
1. ***	Rotor Brake System	C	-	0	(O)May be inoperative provided a check is performed to determine the rotor disc is free.	

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		2. NUMBER INSTALLED			
		3. NUMBER REQUIRED FOR DISPATCH			
		4. REMARKS & EXCEPTIONS			
71. POWERPLANT					
1. ***	Engine Air Particle Separator Scavenge Air System	C	-	0	

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		3. NUMBER REQUIRED FOR DISPATCH			
		4. REMARKS & EXCEPTIONS			
77. ENGINE INDICATING					
1.	Tachometer, Dual Indicating (N2 / Nr)	B	1	(*)	<p>N2 indicator may be inoperative provided:</p> <p>a) Nr must be operative</p> <p>b) N1 tachometer and engine torque indicators are operative, and</p> <p>c) Aircraft shall not depart an airport where repairs or replacement can be made.</p> <p>Note for column 3: Nr must be operative.</p>