



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

Master Minimum Equipment List

Enstrom

TH-28 480 Series

Revision: 1b

Date: 01/19/2013

/S/

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**U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
MASTER MINIMUM EQUIPMENT LIST**

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| DEFINITIONS | | |

The Definitions must be inserted here in each Minimum Equipment List (MEL) from current FAA MMEL Policy Letter PL-25, MMEL DEFINITIONS.

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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| | | 2. NUMBER INSTALLED | | | |
| | | 3. NUMBER REQUIRED FOR DISPATCH | | | |
| | | 4. REMARKS & EXCEPTIONS | | | |
| 21. AIR CONDITIONING | | | | | |
| 00-01 *** | Air Conditioner (Freon) | C | - | 0 | (M) |
| 20-01 | Fresh Air Vent System | C | 1 | 0 | |
| 40-01 | Bleed Air Heating System | C | 1 | - | (M) |
| 40-02 *** | Bleed Air Vent Blowing System | C | - | 0 | |
| 40-03 *** | Bleed Air ECU System | | | | |
| | | C | - | 0 | (M) |
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| 22. AUTO FLIGHT | | | | | |
| 10-01 *** | Autopilot | C | - | 0 | As required by 14 CFR. |
| 15-01 *** | SAS | C | - | 0 | |

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| 23. COMMUNICATIONS | | | | | | |
| 00-01 | Communications Systems (FM) | C | - | 0 | As required by 14 CFR | |
| 00-02 *** | Cabin ICS System | C | - | 0 | | |
| 10-01 | Communication System (HF) | C | - | 0 | As required by 14 CFR | |
| 11-01 | Communication System (UHF) | C | - | 0 | As required by 14 CFR | |
| 12-01 | Communication System (VHF) | C | - | 0 | As required by 14 CFR | |
| 40-01 *** | External Loud Speaker | C | - | 0 | | |
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| 24. ELECTRICAL POWER | | | | | |
| 21-01 *** | Secondary Power Supply (Backup Alternator) | C | - | 0 | (M) May be inoperative provided the main generator is operable. |
| 32-01 *** | Battery (Second) | D | - | 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. |
| 35-01 | Generator Caution System | B | 1 | 0 | May be inoperative provided ammeter is operative. |
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| | | 4. REMARKS & EXCEPTIONS | | | | |
| 25. EQUIPMENT/FURNISHINGS | | | | | | |
| 00-01 *** | Passenger Convenience Item(s) | | | | Deleted | |
| 00-02 *** | Sonic Locator | C | - | 0 | | |
| 00-03 *** | Forward Looking Infra Red (FLIR) | C | - | 0 | | |
| 00-04 *** | Flare Dispenser | C | - | 0 | | |
| 00-05 *** | Non-Essential Equipment & Furnishings (NEF) (Before or after November 1, 2007) | | - | - | May be inoperative, damaged, or missing provided that the item (s) is deferred in accordance with the operator's 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. NOTE: EXTERIOR LAVATORY DOOR ASHTRAYS ARE NOT CONSIDERED NEF ITEMS. | |

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| | | 4. REMARKS & EXCEPTIONS | | | | |
| 25. EQUIPMENT/FURNISHINGS | | | | | | |
| 10-01 | Crew Member Shoulder Harness | B | 1 | 0 | As required by 14 CFR. | |
| 20-01 | Passenger Seat Belts | C | - | 0 | One required for each occupied seat. If belt is inoperative or missing, seat must be blocked and placarded. | |
| 20-02 | Passenger Shoulder Harness | C | - | 0 | | |
| 20-03 *** | Litter Kit | C | - | 0 | | |
| 20-04 *** | 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. | |
| 50-01 *** | Cargo Suspension System | C | - | 0 | | |
| 50-02 *** | Hoist System | C | - | 0 | May be inoperative provided system is deactivated and secured. | |
| 60-01 *** | Floatation Inflation System | C | - | 0 | As required by 14 CFR. | |
| 62-01 *** | Emergency Locator Transmitter (ELT) | C | - | 0 | | |

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| | | 4. REMARKS & EXCEPTIONS | | | | |
| 28. FUEL | | | | | | |
| 10-01 *** | Auxiliary Fuel Tank System | 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. | |
| 41-01 | Fuel Low Warning Caution Light System | C | 1 | 0 | | |
| 42-01 | Analog Fuel Quantity Gauge | B | 1 | 0 | May be in inoperative provided the Shatin fuel totalizer system is installed, operative, and utilized and the fuel quantity is measured with the aircraft fuel dipstick at each refueling. The low fuel warning system must be operable. OR The fuel quantity is measured with the fuel quantity dipstick prior to each flight and fuel reserve is computed to be 1 hour. | |
| 42-02 *** | Shadin Fuel Totalizer System | C | 1 | 0 | May be inoperative providing the fuel quantity gauge is operative OR The fuel quantity is measured with the fuel quantity dipstick prior to each flight and fuel reserve is computed to be 1 hour. | |
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| | | 4. REMARKS & EXCEPTIONS | | | |
| 30. ICE AND RAIN PROTECTION | | | | | |
| 20-01 | Engine Anti-ice System | B | 1 | 0 | (M) May be inoperative provided known and forecast conditions for flight are at ambient temperatures above +6 degrees C with no visible moisture. |
| 30-01 *** | Pitot Heater | C | - | 0 | May be inoperative provided: a) OAT is above +6 degrees C, OR b) Operations are not conducted in visible moisture. |
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| | | 4. REMARKS & EXCEPTIONS | | | | |
| 31. INDICATING/RECORDING SYSTEMS | | | | | | |
| 00-01 *** | Aircraft/Engine Monitoring System | C | - | 0 | | |
| 20-01 | Clock, Displaying Hours, Minutes and Seconds, with Sweep Second Pointer or Electric Digital Clock. | C | 1 | 0 | | |
| 20-02 | Hour Meter | C | - | 0 | (O) May be inoperative provided alternate means is utilized for recording time in service. | |
| 20-03 *** | Elapsed Timer | C | - | 0 | | |
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| | | 3. NUMBER REQUIRED FOR DISPATCH | | | | |
| | | 4. REMARKS & EXCEPTIONS | | | | |
| 33. LIGHTS | | | | | | |
| 20-01 | Cockpit/ Flight Deck/ Flight compartment and Instrument light | C | - | 0 | Individual Lights may be inoperative provided the remaining Lighting system lights are: a) Sufficient to clearly illuminate all required instruments, controls and other devices for which it is provided, b) Positioned so that direct rays are shielded from flight crewmember eyes, and c) Lighting configuration and intensity is acceptable to the flight crew. | |
| 20-02 | Cabin Lighting System | C | - | 0 | | |
| 20-03 | Cockpit Utility Light | C | 1 | 0 | | |
| 40-01 | Position Light System | C | 1 | 0 | May be inoperative for day. | |
| 40-02 | Anti-collision light System | C | 1 | 0 | May be inoperative for day. | |
| 40-03 | Landing Light (s) | C | 2 | 0 | As required by 14 CFR. | |
| 40-04 *** | Strobe Light System | C | - | 0 | | |
| 40-05 *** | Taxi Light | C | - | 0 | | |
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| 33. LIGHTS | | | | | | |
| 40-06 *** | Search Light | C | - | 0 | | |
| 40-07 *** | External Utility Lights | C | - | 0 | | |
| 40-08 *** | Supplemental Lighting System | C | - | 0 | | |
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| | | 4. REMARKS & EXCEPTIONS | | | | |
| 34. NAVIGATION | | | | | | |
| 00-01 *** | Navigation Equipment | C | - | 0 | As required by 14 CFR. | |
| 00-02 *** | RMI | C | - | 0 | | |
| 00-03 *** | HIS | C | - | 0 | As required by 14 CFR. | |
| 11-01 | Altimeter | C | 0 | 1 | As required by 14 CFR. | |
| 12-01 | OAT/Free Air | C | - | 1 | May be inoperative provided approved alternate onboard OAT source is installed and operative. | |
| 13-01 *** | Vertical Speed Indicator | C | - | 0 | As required by 14 CFR. | |
| 14-01 | Airspeed Indicator | C | - | 1 | As required by 14 CFR. | |
| 21-01 *** | Gyroscopic Bank and Pitch Indicator | C | - | 0 | As required by 14 CFR. | |
| 21-02 *** | Standby Attitude Indicator | C | - | 0 | As required by 14 CFR. | |
| 21-03 *** | Attitude Indicator | C | - | 0 | As required by 14 CFR. | |
| 22-01 *** | Directional Gyro | C | - | 0 | As required by 14 CFR. | |
| 24-01 *** | Gyroscopic Rate of Turn with Slip Indicator | C | - | 0 | As required by 14 CFR. | |
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| 34. NAVIGATION | | | | | | |
| 34-01 *** | Marker Beacon | C | - | 0 | As required by 14 CFR. | |
| 42-01 *** | Weather Radar/ Thunderstorm Detection Equipment | C | - | 0 | As required by 14 CFR. | |
| 44-01 *** | Radar Altimeter | C | - | 0 | | |
| 51-01 *** | DME | C | - | 0 | As required by 14 CFR. | |
| 52-01 *** | Altitude Encoder | C | - | 0 | As required by 14 CFR. | |
| 52-02 *** | ATC Transponder | C | - | 0 | As required by 14 CFR. | |
| 60-01 *** | Flight Director | C | - | 0 | | |
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| | | 4. REMARKS & EXCEPTIONS | | | | |
| 35. OXYGEN | | | | | | |
| 10-01 *** | Oxygen System and Masks (Crew and Passengers) | C | - | 0 | As required by 14 CFR. | |
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| | | 4. REMARKS & EXCEPTIONS | | | |
| 52. DOORS | | | | | |
| 10-01 | Door Jettison System | C | - | 0 | (M) |
| 70-01 *** | Door Warning System | C | - | 0 | May be inoperative provided a visual check verifies that the door is closed and latched prior to flight. |

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| | | 4. REMARKS & EXCEPTIONS | | | |
| 65. ROTORS | | | | | |
| 21-01 *** | Rotor Brake System | C | - | 0 | (O) May be inoperative provided a check is performed to determine that the rotor is free. |
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| 1. POWERPLANT | | | | | |
| 60-01 *** | Engine Air Particle Separator/ Particle Purge System | C | - | 0 | May be inoperative provided known and forecast conditions for flights are above +6 degrees C or auto relight system is installed and operative. |

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| 77. ENGINE INDICATING | | | | | |
| 00-01 *** | Automatic Engine Reigniting kit | C | - | 0 | May be inoperative provided aircraft is not operated in falling/blowing snow. |
| 10-01 | Tachometer, Dual Indicating (N2/Nr) | B | 1 | | N2 indicator may be inoperative provided N1 tachometer and engine torque indicators are operative. |