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Federal Aviation Administration
Washington, D.C.

Master Minimum Equipment List (MMEL)

Revision: 4a
Date: 07/01/2016

AGUSTAWESTLAND S.p.A.

A119, AW119 MKII
(TCDS H7EU)

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U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION MASTER MINIMUM EQUIPMENT LIST		
AIRCRAFT: **A119, AW119 MKII**	REVISION NO. 4a DATE: 07/01/2016	PAGE NO. I

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LOG OF REVISIONS

Rev. No.	Date	Revision Description	
Original	10/10/2002	Original.	
1	10/25/2002	Highlights of Change, Definitions, 22-1, 29-1, 32-1, 65-1	
1a	12/01/2004	Highlights of Change, Definitions, 33-2, 34-1	
1b	05/03/2007	Highlights of Change, Definitions, 25-2	
2	10/27/2013	Conversion to Joint Aircraft System/Component (JASC) Coding, Incorporation of Global Change (GC) Policy Letters.	
3	03/24/2014	Incorporation of additional Global Change (GC) Policy Letters.	
4	08/14/2015	Added Page VII titled “Incorporated Policy Letters”. Added Sections 64 and 71 to incorporate STC’s for additional relief. Other minor editing as noted by change bars in the right hand column.	
4a	07/01/2016	Removed Page VII titled “Incorporated Policy Letters”. Revised REMARKS OR EXCEPTIONS for item 3300-02. Other minor editing as noted by change bars in the right hand column. Revised formatting for compliance to Section 508 of the Rehabilitation Act of 1973.		

HIGHLIGHTS OF CHANGE

JASC	Item	Explanation	
		This Master Minimum Equipment List (MMEL) has been reformatted in compliance with the Federal Aviation Administration, Joint Aircraft System/Component (JASC) Code Table, and Definitions are available for download or viewing. This replaces the former Airline Transport Association (ATA) coding used in previous documents. JASC Coding is a four-digit number format and as the title suggests, it contains a System Code and a Component Code. The first two digits are the System Code which is similar to ATA Coding for their first two numbers. The last two digits in the JASC Code is the Component Code which defines the specific component. The item number is a sequential number given for additional Components with the same JASC Code. **Example:** JASC Code 2410, where Code 24 represents the "Electrical Power" system, and Component Code 10, represents the "Alternator-Generator Drive" system.	
Page	VII	Removed Page VII titled "Incorporated Policy Letters".	|
2500	-01	Removed reference to PL-116. Incorporated in Order 8900.1, Volume 4, Chapter 4, Section 4.	|
3300	-02	Revised REMARKS OR EXCEPTIONS to provide additional relief for incorporated STC.	|

Note: This MMEL also provides relief for Part 91 operations.

DEFINITIONS

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

The 14 CFR Regulatory requirements applicable to specific MMEL chapters can be found in PL-25, 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.

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.

Current Policy Letters may be found on the Flight Standards Information Management System (FSIMS) website.

GUIDELINES FOR (M) & (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:

JASC	Item	Explanation
2100	**-01**	**(M)** Procedure to ensure system is deactivated and secured.
2100	**-02**	**(M)** Procedure to ensure system is deactivated and secured.
2140	**-01**	**(M)** Procedure to ensure system is deactivated and secured.
2310	**-01**	**(O)** Alternate procedure established as required under 14 CFR.
2340	**-01**	**(O)** Alternate normal and emergency procedures and/or operating restrictions are established and used.
2500	**-01**	**(M) & (O)** Procedures and processes are outlined in the operator's (insert name) manual.
2520	**-02**	**(M)** Seat must be blocked and placarded. **(O)** Seat must be blocked and placarded.
2520	**-03**	**(M) &/or (O)** Procedures may be required to meet proviso.
2520	**-04**	**(M) &/or (O)** Procedures may be required to meet proviso
2520	**-05**	**(M) &/or (O)** Procedures may be required to meet proviso
2520	**-06**	**(M) &/or (O)** Procedures may be required to meet proviso
2550	**-01**	**(M) &/or (O)** Procedures may be required to meet proviso
2550	**-02**	**(M) &/or (O)** Procedures may be required to meet proviso
2562	**-02**	**(M)** May be in operative provided system is deactivated and secured. **(M)** May be in operative provided system is deactivated and secured.
2822	**-03**	**(O)** Alternate method for determining the actual fuel total.
2841	**-01**	**(O)** Procedure to meet proviso. **(M)** Procedure to verify operation of Low Fuel Caution System.
3320	**-01**	**(O)** Alternate procedures are established.
3444	**-02**	**(O)** Multiple alternate procedures are established. (See Proviso)
3445	**-01**	**(M)** Procedure to ensure system is deactivated and secured.
3445	**-02**	**(M)** Procedure to ensure system is deactivated and secured. **(M)** Procedure to ensure system is deactivated and secured. **(O)** Alternate procedures are established. **(O)** Alternate procedures are established.
3452	**-01**	**(O)** Alternate procedures are established.
3461	**-01**	**(O)** Alternate procedures are established. **(O)** Alternate procedures are established.

GUIDELINES FOR (M) & (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:

JASC	Item	Explanation	
3500	**-02**	**(M)** May be in operative provided system is deactivated and secured.	
3500	**-03**	**(M)** May be in operative provided system is deactivated and secured.	
6321	**-01**	**(M)** Procedure to meet proviso.	
6400	**-01**	**(M)** May be inoperative provided System is deactivated and secured.	
6400	**-02**	**(M)** May be inoperative provided System is deactivated and secured.	
6400	**-03**	**(M)** May be inoperative provided System is deactivated and secured.	
7100	**-01**	**(M)** May be inoperative provided System is deactivated and secured.	
7160	**-01**	**(M)** May be inoperative provided System is deactivated and secured.	

JASC SYSTEM & TITLE		1. REPAIR CATEGORY			
JASC CODE & ITEM NO.	COMPONENT DESCRIPTION		2. NUMBER INSTALLED		
				3. NUMBER REQUIRED FOR DISPATCH	
					4. REMARKS OR EXCEPTIONS

21. AIR CONDITIONING						
2100-01 ***	Environmental Control System	**C**	**-**	**0**	**(M)** May be inoperative provided: **a)** Heater air is not required for defrosting/defogging, and **b)** System is deactivated and secured.	
2100-02 ***	Air Comm Corp. - Cabin Air Conditioning System (STC SR00463DE)	**C**	**-**	**0**	**(M)** May be inoperative provided the system is deactivated and secured.	
2140-01 ***	Heater	**C**	**-**	**0**	**(M)** May be inoperative provided: **a)** Heater air is not required for defrosting/defogging, and **b)** System is deactivated and secured.	

JASC SYSTEM & TITLE		1. REPAIR CATEGORY			
JASC CODE & ITEM NO.	COMPONENT DESCRIPTION		2. NUMBER INSTALLED		
				3. NUMBER REQUIRED FOR DISPATCH	
					4. REMARKS OR EXCEPTIONS

22. AUTO FLIGHT						
2200-01	Vertical Gyro	**A**	**2**	**1**	One may be inoperative for VFR flight. **NOTE:** Flight shall be conducted according to RFM “Failure of One Helipilot Procedure”	
2200-02	SAS	**A**	**2**	**1**	One may be inoperative for VFR flight. **NOTE:** Flight shall be conducted according to RFM “Failure of One Helipilot Procedure”	
2210-01 ***	Attitude Hold	**C**	**-**	**0**	May be inoperative for VFR.	

JASC CODE & ITEM NO.	COMPONENT DESCRIPTION	1. REPAIR CATEGORY	2. NUMBER INSTALLED	3. NUMBER REQUIRED FOR DISPATCH	4. REMARKS OR EXCEPTIONS	
23. COMMUNICATIONS						
2300-01 ***	Communications Systems (FM) **Note:** Operators must list type of equipment installed	**D**	**-**	**0**	Any in excess of those required by 14 CFR may be inoperative provided it is not powered by the Emergency AC Bus, Emergency DC Bus, Battery Bus, Battery Direct Bus, or the DC Transfer Bus and not required for emergency procedures.	
2300-02	Crew Inter-communication System (ICS)	**B**	**2**	**1**	One may be inoperative for VFR.	
2300-03 ***	Hoist Operator ICS	**C**	**-**	**0**	May be inoperative provided hoist operator is not required.	
2310-01 *** (PL-106)	High Frequency (HF) Communications System	**D**	**-**	**-**	Any in excess of those required by 14 CFR may be inoperative.	
	Note: Operators must list type of equipment installed	**C**	**-**	**1**	**(O)** May be inoperative while conducting operations that require two LRCS provided: **a)** Aircraft SATVOICE system operates normally, **b)** SATVOICE services are available as a 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.	

(Continued Next Page)

JASC SYSTEM & TITLE		1. REPAIR CATEGORY			
JASC CODE & ITEM NO.	COMPONENT DESCRIPTION		2. NUMBER INSTALLED		
				3. NUMBER REQUIRED FOR DISPATCH	
					4. REMARKS OR EXCEPTIONS

23. COMMUNICATIONS (Cont'd)						
2311-01	Communications Systems (UHF) **Note:** Operators must list type of equipment installed	**D**	**-**	**-**	Any in excess of those required by 14 CFR may be inoperative provided it is not powered by the Emergency AC Bus, Emergency DC Bus, Battery Bus, Battery Direct Bus, or the DC Transfer Bus and not required for emergency procedures.	
2312-01	Radio-Communication (VHF) Transmitters and Receivers. **Note:** Operators must list type of equipment installed	**D**	**-**	**-**	Any in excess of those required by 14 CFR may be inoperative.	
2340-01 ***	Cabin Speaker/ Passenger Interphone System	**A**	**-**	**0**	**(O)** May be inoperative provided: **a)** Alternate normal and emergency procedures and/or operating restrictions are established and utilized, **b)** Appropriate oral briefing is given to passengers, and **c)** Aircraft may continue flight or a series of flights for maximum of 15 hours, OR **d)** For non-passenger carrying operations.	

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JASC SYSTEM & TITLE		1. REPAIR CATEGORY			
JASC CODE & ITEM NO.	COMPONENT DESCRIPTION		2. NUMBER INSTALLED		
				3. NUMBER REQUIRED FOR DISPATCH	
					4. REMARKS OR EXCEPTIONS

23. COMMUNICATIONS (Cont'd)						
2370-01 ******* (PL-29)	Cockpit Voice Recorder (CVR) (Aircraft ***With*** a Flight Data Recorder installed).	**A**	**1**	**0**	May be inoperative provided: **a)** Flight Data Recorder (FDR) operates normally, and **b)** Repairs are made witin three flight days.	
*******	Independent Power Source	**C**	**1**	**0**		
2370-02 ******* (PL-29)	Cockpit Voice Recorder (CVR) (Aircraft ***Without*** a Flight Data Recorder installed in the aircraft.) **NOTE:** See Item 3130-01 for aircraft equipped with both CVR and FDR.	**A**	**1**	**0**	May be inoperative provided repairs are made within three flight days.	
*******	Independent Power Source	**C**	**1**	**0**		
2370-03 ******* (PL-29)	Cockpit Voice Recorder (CVR) (For an operator other than a holder of an air carrier or commercial operator certificate)	**A**	**1**	**0**	May be inoperative provided repairs are made in accordance with applicable 14 CFR.	
*******	Independent Power Source	**C**	**1**	**0**		

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION MASTER MINIMUM EQUIPMENT LIST						
AIRCRAFT: **A119, AW119 MKII**					REVISION NO. 4a DATE: 07/01/2016	PAGE NO. 24-1
JASC SYSTEM & TITLE		1. REPAIR CATEGORY				
JASC CODE & ITEM NO.	COMPONENT DESCRIPTION		2. NUMBER INSTALLED			
				3. NUMBER REQUIRED FOR DISPATCH		
					4. REMARKS OR EXCEPTIONS	
24. ELECTRICAL POWER						
2422-01	Inverters	**C**	**2**	**1**		

JASC SYSTEM & TITLE		1. REPAIR CATEGORY			
JASC CODE & ITEM NO.	COMPONENT DESCRIPTION		2. NUMBER INSTALLED		
				3. NUMBER REQUIRED FOR DISPATCH	
					4. REMARKS OR EXCEPTIONS

25. EQUIPMENT/FURNISHINGS						
2500-01	Passenger Convenience /Nonessential Equipment Furnishings (NEF) Items	**-**	**-**	**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 manual. **(M)** and/or **(O)** Procedures, if required, must be available to the flight crew and included in the operator's appropriate document.	
2510-01	Crewmember Shoulder Harness	**B**	**-**	**1**	If harness becomes inoperative and is required by 14 CFR, seat must be blocked and placarded.	
2520-01	Passenger Seat Belts and/or Shoulder Harness	**C**	**-**	**0**	One for each occupied seat. If belt and/or shoulder harness are inoperative or missing, seat must be blocked and placarded.	
2520-02 ***	EMS Equipment Special/Mission Equipment (Cargo Hook, Rescue Hoist, Loud-speaker, EMS Equipment, etc.)	**C**	**-**	**0**	**(M)** May be inoperative provided system is deactivated and secured, and/or **(O)** Procedures may be required and included in the operator's appropriate document.	
2520-03 ***	LifePort, Inc. - Medical System (STC SR01525NY) **(A119 Only)**	**C**	**-**	**-**	May be inoperative, damaged, or missing. **(M)** and/or **(O)** procedures may be required.	
2520-04 ***	Spectrum Aeromed, Inc. - EMS ITS Deck (STC SR02894CH)	**C**	**-**	**-**	May be inoperative, damaged, or missing. **(M)** and/or **(O)** procedures may be required.	
2520-05 ***	LifePort, Inc. - Stretcher (STC SR01865LA) **(A119 Only)**	**C**	**-**	**-**	May be inoperative, damaged, or missing. **(M)** and/or **(O)** procedures may be required.	

JASC SYSTEM & TITLE		1. REPAIR CATEGORY			
JASC CODE & ITEM NO.	COMPONENT DESCRIPTION		2. NUMBER INSTALLED		
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25. EQUIPMENT/FURNISHINGS (Cont'd)						
2520-06 ***	Spectrum Aeromed, Inc. - Air Ambulance Conversion (STC SR02257CH) **(A119 Only)**	**C**	**-**	**-**	May be inoperative, damaged, or missing. **(M)** and/or **(O)** procedures may be required.	
2550-01 ***	Cargo Suspension System	**C**	**-**	**0**	May be inoperative, damaged, or missing. **(M)** and/or **(O)** procedures may be required.	
2550-02 ***	Hoist	**C**	**-**	**0**	May be inoperative, damaged, or missing. **(M)** and/or **(O)** procedures may be required.	
2560-01 ***	Helicopter Flotation Devices	**C**	**-**	**0**	As required by 14 CFR.	
2560-02 *** (PL-73)	First Aid Kit (FAK) and/or Associated Equipment	**D**	**-**	**-**	Any in excess of those required by 14 CFR may be incomplete, missing or inoperative.	**|**
2561-01 ***	Personal Flotation	**C**	**-**	**-**	As required by 14 CFR.	
2562-02 *** (PL-120)	Emergency Locator Transmitter (ELT)					
*******	Survival Type ELTs	**D**	**-**	**-**	Any in excess of those required by 14 CFR may be inoperative or missing.	
*******	Fixed ELTs	**A**	**-**	**0**	**(M)** May be inoperative provided: **a)** System is deactivated, and **b)** Repairs are made within 90 days.	
		A	**-**	**0**	May be missing provided repairs are made within 90 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 inoperative or missing.	

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION MASTER MINIMUM EQUIPMENT LIST						
AIRCRAFT: **A119, AW119 MKII**					REVISION NO. 4a DATE: 07/01/2016	PAGE NO. 26-1
JASC SYSTEM & TITLE		1. REPAIR CATEGORY				
JASC CODE & ITEM NO.	COMPONENT DESCRIPTION		2. NUMBER INSTALLED			
				3. NUMBER REQUIRED FOR DISPATCH		
					4. REMARKS OR EXCEPTIONS	
26. FIRE PROTECTION						
2622-01 *** (PL-75)	Portable Fire Extinguisher	**D**	**-**	**1**	Any in excess of those required by 14 CFR may be inoperative or missing provided: **a)** The 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.	

JASC SYSTEM & TITLE		1. REPAIR CATEGORY			
JASC CODE & ITEM NO.	COMPONENT DESCRIPTION		2. NUMBER INSTALLED		
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					4. REMARKS OR EXCEPTIONS

27. FLIGHT CONTROLS						
2700-01	Force Trim System	**C**	**1**	**0**	May be inoperative for VFR. **NOTE:** With copilot's cyclic removed, jumper is required for force trim operation on pilot's cyclic.	

JASC SYSTEM & TITLE		1. REPAIR CATEGORY			
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					4. REMARKS OR EXCEPTIONS

28. FUEL						
2822-01	Airframe Fuel Boost Pump	**B**	**2**	**1**	One may be inoperative for VFR provided: **a)** Both Fuel Boost Pump Caution Systems are operative, and **b)** RFM Limitations are complied with.	
2822-02	Fuel Boost Pump Caution System	**C**	**2**	**1**	One may be inoperative provided: **a)** Both Fuel Boost Pumps are operative, and **b)** Fuel Pressure indication is operative.	
2822-03	Transfer Pump	**B**	**1**	**0**	**(O)** May be inoperative provided: **a)** Flight is not predicated on its use, **b)** Quantity of fuel is verified prior to flight, and **c)** Verify operation of the Low Fuel Caution System.	
2841-01	Fuel Quantity Indicator	**C**	**1**	**0**	**(O)** May be inoperative provided a reliable means is established to determine that fuel quantity on board meets the regulatory requirements for the intended flight. **(M)** Verify operation of the Low Fuel Caution System.	
2841-02 ***	Extended Range (ER) Fuel Tank Indicating System	**C**	**-**	**0**	May be inoperative provided: **a)** Flight is not predicated on its use, and **b)** Quantity (Weight) of fuel in ER tank is verified prior to flight.	

JASC SYSTEM & TITLE		1. REPAIR CATEGORY			
JASC CODE & ITEM NO.	COMPONENT DESCRIPTION		2. NUMBER INSTALLED		
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					4. REMARKS OR EXCEPTIONS
30. ICE AND RAIN PROTECTION					
3030-01	Pitot Tube Heat System	**C**	**-**	**0**	May be inoperative provided: **a)** Flight is in VFR conditions, **b)** Ambient temperature is above +4°C (39°F), and **c)** Operations are not conducted in visible moisture.
3040-01 ***	Windshield Wiper System	**C**	**-**	**0**	

JASC SYSTEM & TITLE		1. REPAIR CATEGORY				
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					4. REMARKS OR EXCEPTIONS	
31. INSTRUMENTS						
3120-01	Clock (Displaying Hours, Minutes, and Seconds with Sweep-Second Pointer or Digital Presentation)	**C**	**-**	**1**	Operative clock must be located on the instrument panel in a position that makes it plainly visible to, and usable by, any pilot at the pilot's station.	
3120-02 ***	Elapsed Timer	**C**	**-**	**0**	May be inoperative for VFR provided Clock (Item 3120-01) or an alternate time source is operative.	
3120-03 ***	Hour Meter	**C**	**-**	**0**		

JASC SYSTEM & TITLE		1. REPAIR CATEGORY				
JASC CODE & ITEM NO.	COMPONENT DESCRIPTION		2. NUMBER INSTALLED			
				3. NUMBER REQUIRED FOR DISPATCH		
					4. REMARKS OR EXCEPTIONS	
33. LIGHTS						
3300-01 *** (PL-127)	NVG Compatible Lighting System	**C**	**-**	**-**	Unaided operation (without NVG's) may be permitted with inoperative NVG supplemental lights; cracked or missing filters; provided the remaining lights are: **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.	
3300-02 ***	Aviation Specialties Unlimited - Night Vision Goggle Compatible Lighting System (STC SR01476SE)	**C**	**-**	**-**	Unaided operation (without NVG's) may be permitted with inoperative NVG supplemental lights; cracked or missing filters; provided the remaining lights are: **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.	**|**

JASC SYSTEM & TITLE		1. REPAIR CATEGORY			
JASC CODE & ITEM NO.	COMPONENT DESCRIPTION		2. NUMBER INSTALLED		
				3. NUMBER REQUIRED FOR DISPATCH	
					4. REMARKS OR EXCEPTIONS

33. LIGHTS (Cont'd)						
3310-01 (PL-77)	Cockpit /Flight Deck/Flight Compartment and Instrument Lighting System	**C**	**-**	**-**	Individual lights may be inoperative provided: **a)** Remaining Lighting System lights are **s**ufficient 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 flight crewmembers eyes, and **c)** Lighting configuration and intensity is acceptable to the flight crew. **Note 1:** Individual button/switch lights and/or annunciations/indications are excluded from this relief. **Note 2:** Unaided operation (without NVGs) may be permitted with inoperative NVG supplemental lights; cracked or missing filters.	
3310-02	Overhead Map Lights	**C** **C**	**2** **2**	**1** **0**	May be inoperative provided operations are not conducted at night.	
3320-01	Passenger Notice System (Fasten Seat Belt-No Smoking)	**B**	**-**	**0**	**(O)** May be inoperative provided: **a)** Passengers are not carried, OR **b)** Alternative procedures are used for passenger notification, OR **c)** Public address system (Item 2340-01) is installed and operative.	

JASC SYSTEM & TITLE		1. REPAIR CATEGORY				
JASC CODE & ITEM NO.	COMPONENT DESCRIPTION		2. NUMBER INSTALLED			
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					4. REMARKS OR EXCEPTIONS	
33. LIGHTS (Cont'd)						
3320-02 ***	Cabin Lighting System	**C**	**-**	**0**	May be inoperative provided operations are not conducted at night.	**|**
3340-01	Position Light System	**C**	**1**	**0**	May be inoperative provided operations are not conducted at night. OR As required by 14 CFR.	**|**
3340-02	Anti-Collision Light System	**B**	**1**	**0**	May be inoperative provided operations are not conducted at night. OR As required by 14 CFR.	**|**
3340-03	Landing Lights	**C**	**-**	**0**	May be inoperative provided operations are not conducted at night.	**|**
3340-04 ***	Strobe Light System	**C**	**-**	**0**	As required by 14 CFR.	
3340-05 ***	External Utility Lights(s)	**C**	**-**	**0**	As required by 14 CFR.	
3340-06 ***	Supplemental Lighting System	**C**	**-**	**0**	As required by 14 CFR.	
3340-07 ***	Searchlight (Retractable)	**C**	**-**	**0**	May be inoperative for Night operations if the Landing Lights (Item 3340-03) are operational.	**|**
3340-08 ***	DeVore Aviation Corp. of America - LED Tail Rotor Floodlights (STC SH4676SW)	**C**	**-**	**0**	As required by 14 CFR.	
3340-09 ***	Agusta Aerospace Corp. – Spectrolab SX-5 Searchlight (STC SR01344NY)	**C**	**-**	**0**	As required by 14 CFR.	
3340-10 ***	AgustaWestland Philadelphia Corp.- Super Night Scanner Searchlight (STC SR01651NY)	**C**	**-**	**0**	As required by 14 CFR.	

JASC CODE & ITEM NO.	COMPONENT DESCRIPTION	1. REPAIR CATEGORY	2. NUMBER INSTALLED	3. NUMBER REQUIRED FOR DISPATCH	4. REMARKS OR EXCEPTIONS	
34. NAVIGATION						
3410-01 ***	GPS/COMM/NAV **Note:** Operators must list type of equipment installed					
	GPS & NAV (System/Function)	**B**	**-**	**-**	As required by 14 CFR: **a)** System/Function may be inoperative provided navigation is not predicated on its use, **b)** Any in excess of those required by 14 CFR may be inoperative provided it is not powered by the Emergency AC Bus, Emergency DC Bus, Battery Bus, Battery Direct Bus, or the DC Transfer Bus and not required for emergency procedures.	
	COMM (System/Function)	**B**	**-**	**-**	As required by 14 CFR: **a)** System/Function may be inoperative provided navigation is not predicated on its use, **b)** Any in excess of those required by 14 CFR may be inoperative provided it is not powered by the Emergency AC Bus, Emergency DC Bus, Battery Bus, Battery Direct Bus, or the DC Transfer Bus and not required for emergency procedures.	
3411-01	Sensitive Altimeter Adjustable for Barometric Pressure	**B**	**2**	**1**	Copilots may be inoperative for single pilot VFR.	
3412-01	OAT/Free Air Temperature	**B**	**1**	**0**	May be inoperative provided temperature can be determined from an approved alternate onboard source.	

JASC SYSTEM & TITLE		1. REPAIR CATEGORY			
JASC CODE & ITEM NO.	COMPONENT DESCRIPTION		2. NUMBER INSTALLED		
				3. NUMBER REQUIRED FOR DISPATCH	
					4. REMARKS OR EXCEPTIONS

34. NAVIGATION (Cont'd)						
3413-01	Instantaneous Vertical Speed Indicator (IVSI) or Vertical Speed Indicator (VSI)	**B**	**-**	**-**	Copilots may be inoperative for single pilot operations.	
3414-01	Airspeed Indicator	**B**	**2**	**1**	Copilots may be inoperative for single pilot VFR.	
3420-01	Attitude Direction Indicator (ADI) or Electronic Attitude Direction Indicator (EADI)	**B**	**2**	**1**	Copilots may be inoperative for single pilot VFR.	
3421-01 *** (PL-111)	Standby Attitude Indicator	**C** **B**	**-** **-**	**0** **0**	May be inoperative not required by 14 CFR. May be inoperative provided: **a)** Operations are conducted in VMC or other than night operations. **b)** Operations are not conducted into known or forecast over-the-top conditions.	|
3422-01	Horizontal Situation Indicator (HSI) or Electronic Horizontal Situation Indicator (EHSI)	**B**	**2**	**1**	Copilots may be inoperative for single pilot VFR.	
3423-01	Magnetic Direction Indicator	**C**	**2**	**1**	Copilots may be inoperative.	
3424-02	Slip-Skid Indicator	**B**	**2**	**1**	Copilots may be inoperative.	
3425-01 ***	Flight Director	**C**	**-**	**-**	As required by 14 CFR.	
3432-01 ***	Navigation Systems (ILS) **Note:** Operators must list type of equipment installed	**C**	**-**	**0**	As required by 14 CFR.	

JASC SYSTEM & TITLE		1. REPAIR CATEGORY			
JASC CODE & ITEM NO.	COMPONENT DESCRIPTION		2. NUMBER INSTALLED		
				3. NUMBER REQUIRED FOR DISPATCH	
					4. REMARKS OR EXCEPTIONS

34. NAVIGATION (Cont'd)						
3434-01 ***	Marker Beacon	**C**	**-**	**0**	May be inoperative provided navigation is not predicated on its use.	
3442-01 ***	Weather Radar System	**C**	**-**	**0**	As required by 14 CFR.	
3444-01	Radar Altimeter	**B**	**-**	**-**	As required by 14 CFR.	
3444-02 *** (PL-54) **HTAWS**	Class A TAWS Equipment					
	1) GPWS	**A**	**1**	**0**	**(O)** May be inoperative provided: **a)** Alternate procedures are established and used, and **b)** Repairs are made within (2) flight days.	
	a) 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.	
	b) Test Mode	**A**	**1**	**0**	May be inoperative provided: **a)** GPWS is considered inoperative, and **b)** Repairs are made within (2) flight days.	
	c) Glideslope Deviation(s) Mode 5	**C**	**-**	**1**		
		B	**-**	**0**		

JASC SYSTEM & TITLE		1. REPAIR CATEGORY			
JASC CODE & ITEM NO.	COMPONENT DESCRIPTION		2. NUMBER INSTALLED		
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					4. REMARKS OR EXCEPTIONS

34. NAVIGATION (Cont'd)						
3444-02 *** (Cont'd) (PL-54) **HTAWS**	d) Advisory Callouts	**B**	**-**	**0**	**(O)** Maybe inoperative provided alternate procedures are established and used.	**|**
		C	**-**	**0**	**(O)** May be inoperative provided: **a)** Advisory callout not required by 14 CFR, and **b)** Alternate procedures are established and used.	
	e) Windshear Mode (Reactive) ***	**B**	**1**	**0**	**(O)** Maybe inoperative provided alternate procedures are established and used. **NOTE:** Operator's alternate procedures should include 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.	
	2) 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.	
	3) Terrain Displays	**C** **B**	**-** **-**	**1** **0**		
	4) Runway Awareness & Advisory System (RAAS) ***	**C**	**1**	**0**		

JASC SYSTEM & TITLE		1. REPAIR CATEGORY			
JASC CODE & ITEM NO.	COMPONENT DESCRIPTION		2. NUMBER INSTALLED		
				3. NUMBER REQUIRED FOR DISPATCH	
					4. REMARKS OR EXCEPTIONS

34. NAVIGATION (Cont'd)						
3444-02 *** (Cont'd) (PL-54) **HTAWS**	Class B TAWS Equipment Required 1) GPWS	**A**	**1**	**0**	**(O)** May be inoperative provided: **a)** Alternate procedures are established and used, and **b)** Repairs are made within (2) flight days.	**|**
	a) Modes 1& 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.	
	b) Test Mode	**A**	**1**	**0**	May be inoperative provided: **a)** GPWS is considered inoperative, and **b)** Repairs are made within (2) flight days.	
	c) Modes 2, 4 & 5 ***	**C**	**3**	**0**		
	d) Advisory Callouts	**B**	**-**	**0**	**(O)** Maybe inoperative provided alternate procedures are established and used.	
		C	**-**	**0**	**(O)** May be inoperative provided: **a)** Advisory callout not required by 14 CFR, and **b)** Alternate procedures are established and used.	
	e) Windshear Mode (Reactive) ***	**C**	**1**	**0**	**(O)** Maybe inoperative provided alternate procedures are established and used.	

JASC SYSTEM & TITLE		1. REPAIR CATEGORY			
JASC CODE & ITEM NO.	COMPONENT DESCRIPTION		2. NUMBER INSTALLED		
				3. NUMBER REQUIRED FOR DISPATCH	
					4. REMARKS OR EXCEPTIONS

34. NAVIGATION (Cont'd)						
3444-02 *** (Cont'd) (PL-54) **HTAWS**	2) Terrain System Forward Looking Terrain Avoidance (FLTA) And Premature Descent Altert (PDA) Functions	**B**	**1**	**0**		**|**
	3) Terrain Displays ***	**C**	**-**	**1**		
	4) Runway Awareness & Advisory System (RAAS) ***	**C**	**1**	**0**		
	Class C TAWS Equipment TAWS/GPWS ***	**C**	**1**	**0**	**(O)** Maybe inoperative provided alternate procedures are established and used. **NOTE:** Any mode that operates normally may be used.	
3445-01 *** (PL-32)	Traffic Alert and Collision Avoidance System (TCAS I)	**B**	**-**	**0**	**(M)** May be inoperative provided: **a)** System is deactivated and secured, and **b)** Enroute or approach procedures do not require its use.	

JASC CODE & ITEM NO.	COMPONENT DESCRIPTION	1. REPAIR CATEGORY	2. NUMBER INSTALLED	3. NUMBER REQUIRED FOR DISPATCH	4. REMARKS OR EXCEPTIONS	
34. NAVIGATION (Cont'd)						
3445-02 *** (PL-32)	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)** Not required by 14 CFR, **b)** System is deactivated and secured, and **c)** Enroute or approach procedures do not require its use.	
	1) 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 flying pilot side, and **b)** TA and RA audio function is operative on flying pilot side.	
	2) 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)** Traffic Alert (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.	
	3) Traffic Alert 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.	

JASC SYSTEM & TITLE		1. REPAIR CATEGORY			
JASC CODE & ITEM NO.	COMPONENT DESCRIPTION		2. NUMBER INSTALLED		
				3. NUMBER REQUIRED FOR DISPATCH	
					4. REMARKS OR EXCEPTIONS

34. NAVIGATION (Cont'd)						
3445-02 (Cont'd) (PL-32)	**4)** Audio Functions	**B**	**1**	**0**	May be inoperative provided enroute or approach procedures do not require use of TCAS.	
***	**5)** Airspace Selection Function	**C**	**-**	**0**		
3451-01 ***	DME	**D**	**-**	**0**	As required by 14 CFR.	
3452-01 (PL-76)	ATC Transponders & Automatic Altitude Reporting Systems	**B**	**-**	**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	**-**	**1**	Any in excess of those required by 14 CFR may be inoperative.	
***	**1)** 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 next scheduled maintenance visit.	
***	**2)** ADS-B Squitter Transmissions	**D**	**-**	**0**	May be inoperative provided operations do not require its use.	
		C	**-**	**0**	**(O)** May be inoperative provided alternate procedures are established and used. **NOTE:** Any ADS-B Out function that operates normally may be used.	

JASC SYSTEM & TITLE		1. REPAIR CATEGORY			
JASC CODE & ITEM NO.	COMPONENT DESCRIPTION		2. NUMBER INSTALLED		
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					4. REMARKS OR EXCEPTIONS

34. NAVIGATION (Cont'd)						
3452-02 (PL-105)	Automatic Dependent Surveillance-Broadcast (ADS-B) System	**D**	**-**	**0**	May be inoperative provided it is not required by 14 CFR. **NOTE:** If ADS-B is installed in lieu of or as a replacement for 14 CFR required equipment, the repair category in the operator's MEL will be the same as that of 14 CFR required equipment.	
	1) Cockpit Display and Traffic Information (CDTI)	**D**	**-**	**0**	**NOTE:** Cockpit Display Traffic of Information (CDTI) display of data from other aircraft systems may be used.	
	2) CDTI Control Panel	**D**	**-**	**0**	May be inoperative provided: **a)** Flight ID can be set, and **b)** Screen display is acceptable to the flight crew.	
	3) Data Link Transmitter(s)	**D**	**-**	**0**	**NOTE:** In some aircraft the Data Link transmission is an integral part of the transponder and relief is provided in that section.	
	4) Data Link Receivers	**D**	**-**	**0**		
	5) ADS-B Applications	**D**	**-**	**0**		
3455-01	ADF	**C**	**-**	**-**	As required by 14 CFR.	
3457-01 *******	AgustaWestland Philadelphia Corp. - Garmin G1000H PFD/MFD Display (STC SR03280NY) **(AW119 MKII Only)**	**C**	**-**	**-**		

JASC SYSTEM & TITLE		1. REPAIR CATEGORY			
JASC CODE & ITEM NO.	COMPONENT DESCRIPTION		2. NUMBER INSTALLED		
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34. NAVIGATION (Cont'd)						
3461-01 ******* (PL-98)	Flight Management System (FMS) Navigation Databases	**C**	**-**	**-**	**(O)** May be out of currency provided: **a)** Current Aeronautical Charts are used to verify Navigation Fixes prior to dispatch. **b)** Procedures are established and used to verify status and suitability of Navigation Facilities used to define route of flight, and **c)** Approach Navigation Radios are manually tuned and identified.	
*******	Navigation Management System (NMS) Navigation Databases	**C**	**-**	**-**	**(O)** May be out of currency provided: **a)** Current Aeronautical Charts are used to verify Navigation Fixes prior to dispatch, **b)** Procedures are established and used to verify status and suitability of Navigation Facilities used to define route of flight, and **c)** Approach Navigation Radios are manually tuned and identified.	
3461-02 *******	MSP Aero LLP - Flight Data Monitoring System (STC SR03055CH) **(A119 MKII Only)**	**C**	**-**	**-**	As required by 14 CFR	

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35. OXYGEN						
3500-01 ***	Oxygen System and Masks	**C**	**-**	**0**	As required by 14 CFR.	
3500-02 ***	Sikorsky Aircraft Corp. - LOX System (STC SR01124NY-D) **(A119 Only)**	**C**	**-**	**0**	**(M)** May be inoperative provided. System is deactivated and secured.	
3500-03 ***	M7 Aerospace LLC - Essex Cryogenics LOX System (STC SR02454LA) **(AW119 MKII Only)**	**C**	**-**	**0**	**(M)** May be inoperative provided. System is deactivated and secured.	

JASC CODE & ITEM NO.	COMPONENT DESCRIPTION	1. REPAIR CATEGORY	2. NUMBER INSTALLED	3. NUMBER REQUIRED FOR DISPATCH	4. REMARKS OR EXCEPTIONS	
52. DOORS						
5270-01	External Power Door Caution Light	**C**	**1**	**0**	May be inoperative provided a visual check verifies that the door is closed and latched prior to flight.	
5270-02	Door Caution System	**C**	**-**	**0**	May be inoperative provided a visual check verifies that the door is closed and latched prior to flight.	
5270-03	Baggage Door Caution 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 OR EXCEPTIONS

63. MAIN ROTOR DRIVE						
6321-01 ***	Rotor Brake System	**C**	**-**	**0**	**(M)** May be inoperative provided: **a)** Rotor Brake Warning Light is not illuminated, **b)** The Rotor Brake Caution Light is not illuminated, **c)** Maintenance inspection determines Rotor Brake assembly is in the released condition, and **d)** System is deactivated and secured.	

JASC SYSTEM & TITLE		1. REPAIR CATEGORY				
JASC CODE & ITEM NO.	COMPONENT DESCRIPTION		2. NUMBER INSTALLED			
				3. NUMBER REQUIRED FOR DISPATCH		
					4. REMARKS OR EXCEPTIONS	
64. TAIL ROTOR						
6400-01 ***	Dart Aerospace USA, Inc. - Tail Rotor Pedal Lockout Kit (STC SR02258SE)	**C**	**-**	**-**	**(M)** May be inoperative provided System is deactivated and secured.	
6400-02 ***	AgustaWestland Philadelphia Corp. - Pedal Extension Kit (STC SR02265NY)	**C**	**-**	**-**	**(M)** May be inoperative provided System is deactivated and secured.	
6400-03 ***	Bell Helicopter Textron, Inc. - Tail Rotor Pedal Lockout Kit (STC SR01844AT) **(A119 Only)**	**C**	**-**	**-**	**(M)** May be inoperative provided System is deactivated and secured.	

JASC SYSTEM & TITLE		1. REPAIR CATEGORY			
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71. POWERPLANT						
7100-01 ***	Tanis Aircraft Products – Heli-Preheat System (STC SR03201CH)	**C**	**-**	**-**	**(M)** May be inoperative provided System is deactivated and secured.	
7160-01 ***	Aerospace Filtration Systems, Inc. – Inlet Barrier Filter (IBF) System (STC SR02338CH)	**C**	**-**	**-**	**(M)** May be inoperative provided System is deactivated and secured.	