

**BY ORDER OF THE COMMANDER
AIR FORCE DISTRICT OF
WASHINGTON**



**DEPARTMENT OF THE AIR FORCE
INSTRUCTION 21-103**

**AIR FORCE DISTRICT OF
WASHINGTON
Supplement
21 MARCH 2025**

Maintenance

**EQUIPMENT INVENTORY, STATUS
AND UTILIZATION REPORTING**

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RELEASABILITY: There are no releasability restrictions on this publication.

OPR: HQ AFDW/A4L

Certified by: HQ AFDW/A4
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Supersedes: AFI21-103_AFDWSUP, 3 June 2021

Pages: 5

This supplement complements DAFI 21-103, *Equipment Inventory, Status and Utilization Reporting*. It establishes policy and assigns responsibility to provide UH-1N status changes/updates in accordance with (IAW) current maintenance conditions and the developed UH-1N minimum essential subsystems list (MESL). These supplemental requirements apply to Air Force District of Washington units and contractors that operate and/or maintain aircraft assigned to, or transiting through AFDW installations. Deviations from the procedures described herein are prohibited without written approval from the Office of Primary Responsibility (OPR). This publication does not apply to Air Force Reserve Command (AFRC) and Air National Guard (ANG) units. Refer questions or recommended changes about this publication OPR using the AF IMT 847, *Recommendation for Change of Publication*, through MAJCOM publications/ forms managers to AFDW/A4L, 1500 West Perimeter Drive, Suite 5700, Joint Base Andrews/Naval Air Facility Washington, MD 20762. Ensure that all records created as a result of this supplement are maintained and disposed of in accordance with AFI 33-322, *Records Management and Information Governance Program*, and the Air Force Records Disposition Schedule (RDS) located at <https://www.my.af.mil/gcss-af61a/afrims/afrims/>.

SUMMARY OF CHANGES

This document has been revised to add the Search And Rescue (SAR) column, and to minimize the notes to **Figure 2.1.**, Minimum Essential Subsystems Listing (MESL).

2.27.5. **(Added)** UH-1N MESL.

2.27.5.1. **(Added)** MESL codes for the following AFDW missions can be found in **Figure 2.1.**, AFDW UH-1N MESL.

Figure 2.1. AFDW UH-1N MESL.

WUC	SYSTEM/SUBSYSTEM	FSL	BSL			
			ALT	TT	AME	SAR
11000	AIRFRAME	X	X	X	X	X
12000	FUSELAGE COMPARTMENTS	X	X	X	X	X
12BE0	LITTER KIT	X			X	
13000	LANDING GEAR	X	X	X	X	X
14000	FLIGHT CONTROL	X	X	X	X	X
15000	ROTOR SYSTEM	X	X	X	X	X
22000	TURBOSHAFT PROPULSION SYSTEM	X	X	X	X	X
26000	HELICOPTER ROTARY WING DRIVE SYSTEM	X	X	X	X	X
41A00	BLEED AIR HEAT AND VENTILATION	X	X			
42000	ELECTRICAL POWER SUPPLY	X	X	X	X	X
44AC0	INSTRUMENT PANEL LIGHT SYSTEM	X	X			
44AD0	ENGINE INSTRUMENT PANEL LIGHTS SYSTEM	X	X			
44AE0	OVERHEAD CONSOLE PANEL LIGHTS SYSTEM	X	X			
44AF0	PEDESTAL LIGHTS SYSTEM	X	X			
44BA0	NAVIGATION LIGHTS SYSTEM	X	X	X	X	X
44BC0	ANTI-COLLISION LIGHT SYSTEM	X	X	X	X	X
44BD0	LANDING LIGHT SYSTEM	X ²	X ²	X ²	X ²	X ²
44BE0	SEARCHLIGHT SYSTEM (with IR Filter)	X	X			X
44BF0	FORMATION LIGHT SYSTEM	X				
44C00	CAUTION AND WARNING LIGHT SYSTEM	X	X	X	X	X

44E00	ANTI-COLLISION LIGHT (NVIS)	X	X	X	X	X
45A00	FLIGHT CONTROL HYDRAULIC SYSTEM	X	X	X	X	X
46A00	CRASHWORTHY FUEL SYSTEM	X	X	X	X	X
46B00	AUXILIARY CRASHWORTHY FUEL SYSTEM	X				
46C00	AFT AUXILIARY CRASHWORTHY FUEL SYSTEM	X				
49A00	ENGINE FIRE DETECTOR SYSTEM	X	X	X	X	X
49B00	RESCUE HOIST SYSTEMS	X				X
49E00	EXTERNAL CARGO SUSPENSION ASSEMBLY	X				X
49F00	WINDSHIELD WIPER SYSTEM	X	X			
49G00	WIRE STRIKE PROTECTION SYSTEM (WSPS)	X	X	X	X	X
51A00	FLIGHT INSTRUMENTS	X ¹	X ¹	X ¹	X ¹	X ¹
51AE0	TURN AND SLIP INDICATOR	X	X			
51C00	PITOT STATIC SYSTEM	X	X	X	X	X
51CB0	PITOT TUBE HEATER	X	X			
51DL0	INDICATOR, ALTIMETER AAU-21A	X	X	X	X	X
51E00	GYROMAGNETIC COMPASS SYSTEM ASN/43	X	X	X	X	X
51F00	STANDBY COMPASS SYSTEM	X	X			
51GB0	CLOCK, PILOT'S	X				
62D00	VHF-AM RADIO SET ARC-186	X ³	X ³	X ³	X ³	X ³
63B00	UHF COMMAND SET ARC-164	X ³	X ³	X ³	X ³	X ³
63C00	RADIO NAVIGATION ARC-231	X ³	X ^{3,9}	X ³	X ³	X ³
63D00	COMMUNICATIONS SECURITY SET TSEC/KY-58/KY-58M	X	X			
63F00	COMMUNICATIONS SECURITY SET TSEC/KY-100	X	X			
63E00	RADIO SYSTEM ARC-210	X ³	X ^{3,9}	X ³	X ³	X ³
63H00	RADIO SYSTEM ARC-210 (VI)	X ³	X ^{3,9}	X ³	X ³	X ³
63G00	RADIO SYSTEM ARC-210 (BLK I)	X ³	X ^{3,9}	X ³	X ³	X ³

64000	INTERPHONE (Pilot/Copilot)	X	X	X	X	X
	INTERPHONE (Cabin)	X ⁵	X ⁵	X ⁵	X ⁵	X ⁵
65000	IDENTIFICATION, FRIEND OR FOE (IFF)	X ⁴	X ⁴	X ⁴	X ⁴	X ⁴
71A00	TACAN NAVIGATION SET ARN-118	X ⁸	X	X ⁸	X ⁸	X ⁸
71MA0	RECEIVER, GPS, GNS-530 (GPS)	X ⁸	X	X ⁸	X ⁸	X ⁸
	RECEIVER, GPS, GNS-530 (VOR)	X ⁸	X	X ⁸	X ⁸	X ⁸
	RECEIVER, GPS, GNS-530 (ILS)	X	X			
	RECEIVER, GPS, GNS-530 (RADIO)	X ³	X ³	X ³	X ³	X ³
71MD0	INDICATOR, EHSI, SN-3500	X ¹	X ¹	X ¹	X ¹	X ¹
72000	RADAR NAVIGATION	X ¹	X ¹	X ¹	X ¹	X ¹
91000	EMERGENCY EQUIPMENT	X ⁶	X ⁶	X ⁶	X ⁶	X ⁶
Notes						
1	At least one each of the following gauges must be operational, but all must be operational on either the pilot or copilot side: WUC 51AA0 – Airspeed Indicator WUC 51AC0 – Attitude Indicator WUC 51AD0 – Vertical Velocity Indicator WUC 71MD0 – Heading Indicator WUC 72C99 – Radar Altimeter (Legacy) WUC 72DE0 – Radar Altimeter (Blk I)					
2	One of either the landing light, or searchlight without IR Filter, must be operational.					
3	Minimum of 2 LOS radios (ARC-164, ARC-186, ARC-210, ARC-231, GNS-530/Garmin), any combination, must be operational.					
4	Mode II required only for ALT mission. Mode IV/V not required for any mission.					
5	2 must be operational, one on each side.					
6	WUC 91E00 – PASSENGER ALARM HORN not required for any mission.					
7	Maintenance status for tail 6627 will be reported as PMCM when no other discrepancies exist requiring status reporting.					
8	At least one of the TACAN, GPS, or VOR must be operational.					
9	SATCOM must be operational on at least one radio for ALT mission.					

Table A3.1. (Added) Additional Standard MESL Mission Codes.

AME – Air Medical Evacuation

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Attachment 1

GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION

References

DAFI 21-103, *Equipment Inventory, Status, and Utilization Reporting*, 1 November 2022

AFI 33-322, *Records Management and Information Governance Program*, 23 March 2020

Abbreviations and Acronyms

AFDW—Air Force District of Washington

AFRC—Air Force Reserve Command

ANG—Air National Guard

FMC—Full Mission Capable

HTAWS—Helicopter Terrain Awareness and Warning System

IAW—in accordance with

IMC—Instrument Meteorological Condition

MAJCOM—Major Command

NMC—Not Mission Capable

PMC—Partial Mission Capable

RDS—Records Disposition Schedule

TCAD—Traffic and Collision Alert Device