

**BY ORDER OF THE COMMANDER
AIR COMBAT COMMAND**



AIR FORCE INSTRUCTION 21-103

**AIR COMBAT COMMAND
Supplement**

ADDENDUM_HH

6 DECEMBER 2012

Maintenance

**EQUIPMENT INVENTORY, STATUS, AND
UTILIZATION REPORTING SYSTEM/HH-
60G MINIMUM ESSENTIAL SUBSYSTEM
LIST (MESL)**

COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

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This MESL compliments AFI 21-103, *Equipment Inventory, Status, and Utilization Reporting*. It applies to all HH-60G ACC units. This Addendum does apply to Air National Guard (ANG) and Air Force Reserve Command (AFRC) units and members. Ensure that all records created as a result of processes prescribed in this document are maintained in accordance with (IAW) AFMAN 33-363, *Management of Records*, and are disposed of IAW the Air Force Records Disposition Schedule located at <http://www.my.af.mil/afrims/afrims/afrims/rims.cfm>. Contact supporting records managers as required. Send recommended changes or comments on AF Form 847, *Recommendation for Change of Publication*, to HQ ACC/A4CR-H60, 130 Douglas St., Suite 210, Langley AFB VA 23665- 2791, and send information copies to the applicable OCR. OCR: HQ ACC/A4Q (Col Geoffrey Parkhurst)

SUMMARY OF CHANGES

This publication has been substantially revised and must be completely reviewed. Major changes include: addition of rotor brake and Situational Awareness Data Link (SADL) work unit codes (WUC) to FSL. Deletion of AAQ-16 and qualifying notes 8 and 11-14; remaining notes have been revised.

1. General. The MESL is the basis of status reporting IAW AFI 21-103. MESLs lay the ground work for reporting the status of aircraft capability. They list the minimum essential systems and subsystems that must work on an aircraft for it to perform specifically assigned unit wartime, training, test or other missions. Mission Ready Available (MRA) is used in readiness Status of Resources and Training System reporting only and denotes Mission Capable (MC) aircraft capable of being configured for a contingency mission in accordance with COMACC OMNIBUS Plan.

1.1. **Notes.** Qualifying notes are used to define aircraft exceptions and help explain complex degraded mission systems such as suspension equipment.

1.2. **Status.** Aircraft status for generation and deployment: The goal is to generate or deploy Fully Mission Capable (FMC) aircraft, recognizing status actually achieved may be less than FMC. A Not Mission Capable (NMC) aircraft may be deployed provided it is safe for flight and can be configured and generated to MRA status at an employment site.

1.3. **Generation.** All ACC units will generate, or deploy and regenerate, using ACC MESLs. Major Command differences in MESLs are acknowledged. Upon actual deployment to another MAJCOM theater, the gaining MAJCOM has the responsibility to resource and specify the unit's requirements and resource the differences in support/mission equipment.

1.4. **Reading the MESL.** A MESL is read by comparing the systems stated by work unit code (WUC) against the Full Systems List (FSL) and all applicable Basic Systems List (BSL) across the page. Each unit's Design Operational Capability (DOC) statement determines applicability of BSL columns. The aircraft MESLs incorporate all ACC assigned aircraft; therefore, it is important to compare only those columns listed in the MESL that are applicable to the unit's assigned aircraft. For example, units with CC (combat) coded aircraft would determine and report status using only the FSL and BSL columns related to their DOC statement. Units with TF (training) coded aircraft would determine and report status using only the FSL and TNG columns, and units with CB (test) coded aircraft would determine and report status using only the FSL and TST columns. Units with multiple coded aircraft will ensure status is reported using the MESL columns appropriate to the individual aircraft assignment code. For HH-60G coding refer to **Table 1**.

Table 1. HH-60G AIRCRAFT SYSTEMS MESL.

WUC	SYSTEM/SUB-SYSTEM	FSL	BSL			*TNG	*TST
			RL	RW	NEO		
11000	Airframe	X	X	X	X	X	X
12000	Cockpit/Fuselage Compartment	X	X	X	X	X	X
13000	Landing Gear	X	X	X	X	X	X
14000	Flight Controls	X	X	X	X	X	X
15000	Aircraft Rotor System	X	X	X	X	X	X
15200	Main Rotor Deice System	X					
15300	Tail Rotor Deice System	X					
22000	Turboshaft Engines	X	X	X	X	X	X
24000	Auxiliary Power Plant	X	X	X	X	X	X
26000	Rotor Drive System	X	X	X	X	X	X
26190	Rotor Brake System	X					
41000	Environmental Control System (heater)	X					
42000	Elec. Power Supply	X	X	X	X	X	X
42410	EMI Pin Filter Adapters	X		X15	X15		
44A00	Caution Lights	X	X	X	X	X	X
44110	Exterior Lights	X	X1	X1	X1	X1	X1
44120	Interior Lights	X					
4411U	All Controllable Searchlight	X	X10	X10	X10	X10	X10
45000	Hyd/Pneumatic Power	X	X	X	X	X	X
46110	Main Fuel System	X	X	X	X	X	X
46210	Main Fuel Quantity System	X	X	X	X	X	X
46500	Air Refueling System	X	X	X	X		
46600	Fuel Dump System	X	X	X	X	X	X
46700	Aux Fuel Quantity System	X	X7	X7	X7	X7	X7
46900	Internal Aux Tank System	X					
49B00	Fire Extinguishing System	X	X	X	X	X	X
49B20	Fire Detection System	X	X	X	X	X	X
49B30	Windshield Wiper System	X	X	X	X	X	X
49C00	Rescue Hoist System	X	X	X	X	X	X
49100	Cargo Hook System (if installed)	X					
51A00	Engine Instrument System	X	X	X	X	X	X
51B00	Flight Instruments	X	X	X	X	X	X
51C00	Caution/Advisory Warning System	X	X	X	X	X	X
51BA1	Voice Altitude Warning System (VAWS)	X	X	X	X	X	X
52000	AFCs	X	X2	X2	X2	X2	X2
52130	AHHS	X					

56100	Vertical Gyro System	X	X	X	X	X	X
57C00	AAQ-29 FLIR System	X	X	X	X		
62300	VHF AM/FM AN/ARC-222	X	X	X	X	X	
63100	UHF AM AN/ARC-164	X	X	X	X	X	X
64000	Intercom System	X	X6	X6	X6	X6	X6
65000	IFF System	X	X	X	X	X	X
66A00	Radio Set/Personnel Locator	X					
66B00	HAVE CSAR (AFTRS-R)	X					
68000	SATCOM	X					
68D00	GPS AN/ARN-151	X	X3	X	X3	X3	X3
69C00	Secure Comm (KY-58)	X	X	X	X		
69F00	Situational Awareness Data Link (SADL)	X					
71A00	TACAN AN/ARN-118	X	X4	X4	X4	X4	X4
71B00	UHF Directional Finder	X					
71C00	Inertial Nav System	X	X3	X	X3	X3	X3
71F00	AN/ASN-137 Doppler	X	X3	X	X3	X3	X3
71100	LF/ADF System	X					
71210	VOR NAV	X	X4	X4	X4	X4	X4
72A00	APN-239 Radar	X					
72110	Radar Altimeter	X	X	X	X	X	X
75000	Weapons Delivery System (if installed)	X	X	X	X	X	X
76500	AN/ALQ-144 (if installed)	X	X	X	X		
76600	AN/ALE-47 Dispensing System	X	X	X	X		
76700	AN/AAR-47 Warning System	X	X	X	X		
76900	APR-39 System	X	X9	X9	X9		
82100	VSDS AN/ASN-161	X	X	X	X	X	X
82200	1553 Databus	X	X	X	X	X	X
82400	Control Display Unit (CDU)	X	X	X	X	X	X
82600	DTS	X					
82700	ELMO Interface/Repeater	X	X	X	X	X	X
91000	Emergency Equipment	X	X	X	X	X	X
97115	Cargo Hook Explosive Cartridge (if hook installed)	X					
97116	Fire Bottle Explosive Cartridge	X	X	X	X	X	X
97117	Hoist Guillotine Cartridge (if Hoist installed)	X	X	X	X		
	QUALIFYING NOTES:						
1	Minimum of one strobe light required for PMC						
2	PMC for YAW, ROLL, or COLLECTIVE						

3	2 of 3 (INS, Doppler, or GPS) required for PMC
4	TACAN or VOR required for PMC
5	DELETED
6	Inoperative Troop Commander Position results in PMC. Any other position NMC
7	Inoperative EFQI is PMC with Auxiliary tank fuel level verified by dipsticks
8	DELETED
9	Required if operating in a radar threat environment
10	Required if FLIR or landing light inoperative
11-14	DELETED
15	Required for shipboard operations

GILMARY M. HOSTAGE III, General, USAF
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Attachment 1**GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION*****References***

AFI 21-103, *Equipment Inventory, Status, and Utilization Reporting*, 26 Jan 2012

Adopted Forms

AF Form 847, *Recommendation for Change of Publication*

Abbreviations and Acronyms

ACC—Air Combat Command

AFB—Air Force Base

AFCS—Automatic Flight Control System

AFRC—Air Force Reserve Command

AHHS—Automatic Hover Hold System

ANG—Air National Guard

BSL—Basic System Lists

DOC—Design Operational Capability

DTS—Data Transfer System

EFQI—Enhanced Fuel Quantity Indicating

FSL—Full System List

HQ—Headquarters

IAW—In Accordance With

MAJCOM—Major Command

MESLs—Minimum Essential Systems Lists

MRA—Mission Ready Available

NEO—Non-Combatant Evacuation Operations

NGB—National Guard Bureau

NMC—Not Mission Capable

OCR—Office of Collateral Responsibility

PMC—Partially Mission Capable

RL—Combat Search and Rescue: Land

RW—Combat Search and Rescue: Overwater

TACAN—Tactical Airborne Navigation

***TNG**—Tactical Training (ONLY for TF-coded aircraft)

***TST**—Developmental Test and Evaluation (ONLY for CB-coded aircraft)

WUC—Work Unit Code