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Maintenance



**EQUIPMENT INVENTORY, STATUS,
AND UTILIZATION REPORTING
SYSTEM/F-16A/B/C/D 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 F-16A/B/C/D ACC units. This Addendum applies 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 publication are maintained in accordance with AFMAN 37-123 (to be replaced by AFMAN 33-363), and are disposed of in accordance with the Air Force Records Disposition Schedule (RDS) located at <https://afrims.amc.af.mil>. Contact supporting records managers as required. Send recommended changes or comments on AF Form 847, **Recommendation for Change of Publication**, to HQ ACC/A4A16, 130 Douglas St., Suite 210, Langley AFB VA 23665-2791, and send information copies to the applicable OCR.

SUMMARY OF REVISIONS

This document is substantially revised and must be completely reviewed. First, combat capability of the F-16 fleet continues to increase and recently fielded upgrades needed to be added to the MESL. These upgrades include Joint Helmet Mounted Cueing System (JHMCS), Link-16, Modular Mission Computer (MMC), as well as the HARM Targeting Set, Sniper, and LITENING targeting pods. Second, all Work Unit Codes (WUCs) were verified and updated accordingly. Finally, systems that were no longer utilized by the F-16 fleet have been removed from the MESL, specifically the Navigation pod (WUC 74P).

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 availability. 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 SORTS reporting only and denotes MC air-

						BASIC SYSTEM LIST				
Item	Work Unit Code	System/Subsystem	Full System List	Air Defense, Conventional	Air to Surface, Conventional	Air Superiority	Air to Surface, Nuclear	Defense Suppression	Training (See note 1)	Test (See note 2)
42.	76B/C	Radar Warning Receiver	X	X	X	X	X	X	X	X
43.	76Y	Chaff/Flare	X	X	X	X	X	X	X	X
44.	91	Emergency Equipment	X	X	X	X	X	X	X	X
45.	95	Smoke Generation	X18							
46.	97	Explosive Devices	X	X	X	X	X	X	X	X

NOTES:

1. Only applies to aircraft in assignment code TF.
2. Only applies to aircraft in assignment code CB.
3. Excludes indicator override, leading edge flap indicator and speed brake indicator.
4. Manual mode only required.
5. Excludes external power system.
6. As required by AFI 11-218, *Aircraft Operations and Movement on the Ground*.
7. Minimum navigation and formation light requirements for PMC include one anti-collision (excludes Thunderbird slot aircraft), one position light per wing, both inlet light and tail navigation light. Landing and taxi lights required as a minimum for PMC. NVIS external lighting covert function must be operational for the aircraft to FMC
8. Excludes quantity check switch.
9. Excludes secondary instruments and rear cockpit accelerometer.
10. HAVE QUICK required if aircraft is equipped. (Excludes Thunderbird aircraft)
11. Secure Voice required if aircraft is equipped. (Excludes Thunderbird aircraft)
12. Applies to B/D models only.
13. Required for aircraft performing the LANTIRN mission only.
14. Excludes Thunderbird aircraft except on numbers one, five, seven, and eight.
15. Excludes Air National Guard air defense force aircraft.
16. For air-to-air, all four outboard stations (1, 2, 8, and 9) are required for FMC. Three of four outboard stations (1, 2, 8, and 9) of which at least two are LAU-129 capable are required for PMC. For air-to-surface, all four inboard stations (3, 4, 6, and 7) are required for FMC or PMC.

17. Excludes Thunderbird aircraft.
18. Applicable to Thunderbird aircraft only.
19. If TACAN only is operational the aircraft is PMC
20. If installed or loaded
21. The MMC must have no degradation to be considered FMC

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Attachment 1**GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION*****References***

AFI 11-218, (<http://www.e-publishing.af.mil/pubfiles/af/11/afi11-218/afi11-218.pdf>),
Aircraft Operations and Movement on the Ground.

AFI 21-103, (<http://www.e-publishing.af.mil/pubfiles/af/21/afi21-103/afi21-103.pdf>),
Equipment Inventory, Status, and Utilization Reporting

Abbreviations and Acronyms

ACC—Air Combat Command

AFRC—Air Force Reserve Command

BSL—Basic System Lists

DOC—Design Operational Capability

FSL—Full System List

HQ—Headquarters

IAW—In Accordance With

MAJCOM—Major Command

MRA—Mission Ready Available

NGB—National Guard Bureau

NMC—Not Mission Capable

WUC—Work Unit Code