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Maintenance



**TORQUE DEVICE & NON-OXYGEN GAUGE
CALIBRATION PROGRAM**

COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

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This 434th Air Refueling Wing Instruction implements AFPD 21-1, *Managing Aerospace Equipment Maintenance*. This instruction applies to all Branches/Sections of the 434th Air Refueling Wing, as applicable, and assigned collateral Group personnel at Grissom Air Reserve Base, IN. This instruction establishes responsibilities and provides local procedures for calibration of torque devices and non-oxygen gauge Test Measurement and Diagnostic Equipment (TMDE).

SUMMARY OF REVISIONS

This revision changes in the primary area of control from 434th Production Control to the 434 MXS/LGMV Avionics Section. Changes to PMEL pick-up and delivery hours. This revision aligns this instruction with current instructions in AFI 37-160V1, *The Air Force Publications and Forms Management Programs-Developing and Processing Publications*. A (I) indicates revisions from the previous edition.

1. Responsibilities. The following procedures are established to ensure an effective calibration program for torque devices and non-oxygen gauge test measurement and diagnostic equipment.

- 1.1. Each TMDE monitor, who is a customer of the 434th Maintenance Squadron Avionics Section (434 MXS/LGMV) torque device and non-oxygen gauge calibration program, must be familiar with the procedures outlined in this instruction.
- 1.2. The 434 MXS Avionics Section Supervision manages the torque wrench and non-oxygen gauge calibration program and insures that TMDE is calibrated and certified in accordance with applicable Technical Orders and directives in a timely manner.
- 1.3. In accordance with T.O. 00-20-14, it is the user/owner responsibility to deliver the TMDE to the calibration facility. The TMDE is complete, including any ancillary equipment required for proper

calibration of the item. The TMDE is clean, properly secured in its container (if applicable) and all lines or fittings must be capped.

1.4. The 434 MXS/LGMV Avionics Guidance and Controls (AFIN) shop is responsible for security of the TMDE until it is picked-up by the user/owner.

1.5. The 434 MXS/LGMV AFIN shop schedules all TMDE in the PMEL Automated Maintenance System (PAMS) immediately as it is delivered by the user/owner.

1.6. The user/owner reviews his or her TMDE to insure deployed TMDE has not become due or overdue calibration while deployed.

2. Pick-up and delivery procedures:

2.1. Deliver TMDE to the 434 MXS/LGMV AFIN shop between 0800-1100, Monday through Friday and on Unit Training Assemblies (UTAs).

2.2. Deliver the TMDE prior to or on the date due as listed on the AFTO Form 398, **Limited TMDE Certification** or Form 394, **TMDE Certification**.

2.3. Deliver TMDE directly to 434 MXS/LGMV AFIN shop, building 595, Rm. 130.

2.4. Deliver TMDE which has become due or overdue during an upcoming deployment to the AFIN shop at least 5 working days prior to the TMDE being packed for deployment. The user/owner should inform 434 MXS/LGMV personnel accepting custody of the TMDE that this item is deploying. AFIN personnel give first priority to deploying TMDE.

2.5. Upon receipt of the TMDE, 434 MXS/LGMV personnel issue the user/owner a receipt acknowledging custody of the TMDE. The receipt is in 2 parts, an original and one copy. Give the original to the user/owner, the AFIN shop maintains the copy. User/Owner should insure that the information is complete and correct prior to releasing custody of the TMDE to 434 MXS/LGMV personnel. If AFIN personnel are unavailable to accept custody of the TMDE, the user/owner should seek out Communications and Navigation shop (COMM/NAV) personnel or Avionics Section Supervision to accept custody. TMDE is not left in the AFIN shop without being properly received and a receipt issued.

2.6. The user/owner presents his or her copy of the receipt when picking-up the calibrated TMDE. If the receipt is lost or destroyed, a letter from the user/owner's supervisor is required to release the equipment.

2.7. 434 MXS/LGMV personnel authorized to release TMDE back to the user/owner are: AFIN shop personnel, COMM/NAV shop personnel or LGMV Supervision.

2.8. 434 MXS/LGMV personnel issuing the TMDE back to the user/owner insure that the AFTO Form 398 (yellow limited calibration sticker) has been properly initialed according to T.O. 00-20-14, the initials of the user/owner signifies agreement with the restrictions imposed on the use of the TMDE by the limited calibration. TMDE is not released to the user/owner until this action has been complied with.

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