

CHAPTER 6. FLIGHT INSPECTION

600. GENERAL.

a. A flight inspection shall be required:

- (1) Before facility commissioning.
- (2) Periodically, as specified in the latest edition of Order 8200.1, United States Standard Flight Inspection Manual.
- (3) After an antenna change, antenna pattern tilt change, or when it is suspected that there has been a change in the antenna pattern.
- (4) After an aircraft accident in which the secondary surveillance radar ATCBI-6/6(M) may have been a contributing factor.
- (5) When the responsible regional office engineer, delegated by regional AF division, deems it necessary to verify the operational capabilities of the equipment, due to circumstances, affecting system performance.
- (6) Anytime the receiver STC curve is adjusted to provide a greater gain reduction than the value previously flight checked.
- (7) Anytime directional output power is reduced below the minimum output power level or the SUM to OMNI power ratio is increased above the level previously flight checked.

b. Maintenance personnel are expected to cooperate fully with the flight inspection specialist and to provide the specialist with the data necessary for the discharge of his/her responsibilities.

601. PRE-FLIGHT INSPECTION PREPARATION. The instructions for flight inspection of the ATCBI systems are contained in Order 8200.1, chapter 14. Maintenance personnel should be fully aware of the material contained in this and other paragraphs of Order 8200.1 before participating in a flight inspection.

602. FLIGHT INSPECTION PARTICIPATION. During flight inspection, maintenance personnel should be available for various duties, such as making equipment adjustments and changes. The flight inspection specialist shall be advised of any system deterioration during the progress of the flight inspection.

603. POST-FLIGHT INSPECTION ACTIONS. Upon completion of the flight inspection, maintenance personnel shall accomplish the following actions:

a. If any adjustments or corrections were made, or if equipment was changed during the flight inspection, record meter readings or other data affected by the adjustment, correction, or equipment change.

b. Make available to the flight inspector all pertinent system parameters needed to complete the flight inspection report; such as, transmitter power, receiver sensitivity, etc.

c. Discuss any problems encountered during the flight inspection with the flight inspector.