

**BY ORDER OF THE COMMANDER
ROYAL AIR FORCE MILDENHALL**

MILDENHALL INSTRUCTION 21-195



7 MAY 2013
Certified Current on 12 April 2016
Maintenance

**INDIVIDUAL AIRCRAFT TRACKING
PROGRAM**

COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

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RELEASABILITY: There are no releasability restrictions on this publication.

OPR: 100 MXG/MXQ

Certified by: 100 MXG/CC
(Colonel Rushlau)

Supersedes: MILDENHALLI21-095,
8 March 2010

Pages: 4

This instruction implements Air Force Policy Directive (AFPD) 21-1, *Air and Space Maintenance*, and fulfils the requirements of Air Force Instruction (AFI) 21-101, *Aircraft and Equipment Maintenance Management*, 26 July 2010, Paragraph 14.6.3.1 to develop a local Individual Aircraft Tracking Program (IATP)/Aircraft Structural Integrity Program (ASIP) Operating Instruction (OI). It applies to all units assigned to the 100th Air Refueling Wing (100 ARW). It does not apply to Air Force Reserve Command or Air National Guard. Ensure that all records created as a result of processes prescribed in this publication are maintained in accordance with Air Force Manual (AFMAN) 33-363, *Management of Records*, and disposed of in accordance with Air Force Records Information Management System (AFRIMS) Records Disposition Schedule (RDS) located at https://www.my.af.mil/afirms/afirms/afirms/rds/rds_series.cfm Refer recommended changes and questions about this publication to the Office of Primary Responsibility (OPR) using Air Force (AF) Form 847, *Recommendation for Change of Publication*; route AF Forms 847 from the field through the appropriate functional chain of command. See **Attachment 1** for Glossary of References and Supporting Information. Requests for waivers must be submitted with justification to publication OPR.

SUMMARY OF CHANGES

This instruction has been revised and must be reviewed in its entirety. It updates the Technical Order (TO) reference from TO 1C-135-101 to TO 1C-135-38, and removes the requirement for ASIP/IATP PROJOs to perform spot checks and forward negative finds to section supervisor for

correction. The contents of the ASIP/IATP continuity binder to be maintained by QA has been modified, and additional requirements for the 100th Operations Group CC have been added. Finally, further instructions on the AF Form 76, *C/KC-135 Aircraft Assessment Data*, have been added for the AMXS Debrief Section.

1. Procedures. The 100 ARW does not have any ASIP aircraft assigned and will follow procedures IAW Technical Order 1C-135-38, *-Aircraft Structural Integrity Program* and this instruction for IATP.

1.1. The minimum requirements for this instruction IAW AFI 21-101 Para 14.6.3.1., are as follows and the reference paragraph is in parentheses:

1.1.1. **(14.6.3.1.1.)** Identification of maintenance activities responsible for changing and submitting storage media: 100 ARW KC-135R aircraft have no ASIP storage media. The AFTO Form 76, is used to collect structural data for use by depot engineers. Procedures for documenting and submitting this form are located in TO 1C-135-38 and throughout this Instruction.

1.1.2. **(14.6.3.1.2.)** Appointment of ASIP monitors: See Para **2.1.1.** below.

1.1.3. **(14.6.3.1.3.)** Procedures to support ASIP at deployed locations: Units will comply with the same procedures in this instruction while deployed.

1.1.4. **(14.6.3.1.4.)** ASIP Training requirements, method of documentation, and responsibility for providing training to technicians responsible for maintaining ASIP systems (e.g. changing tapes, submitting ASIP data sheets) and aircrew debriefing: There are no ASIP systems installed on the KC-135R. See Para 2.4., below for aircrew debriefing training.

2. Responsibilities.

2.1. The 100th Maintenance Group (MXG) Commander (CC) will:

2.1.1. Appoint in writing a Primary and Alternate ASIP/IATP Project Officer (PROJO), from within the 100 MXG Quality Assurance (QA) section. The PROJOs will also serve as the ASIP/IATP monitors.

2.2. The ASIP/IATP PROJOs will:

2.2.1. Comply with responsibilities in AFI 21-101 Para **14.6.3.** as required.

2.2.2. Perform semi-annual self-inspection on the ASIP/IATP program IAW Mildenhall Instruction 90-102, *Command Guidance Self Inspection Program*.

2.2.3. Maintain the ASIP/IATP continuity binder in QA. The continuity binder will contain at least the following:

2.2.3.1. Tab 1: QA section continuity book review record.

2.2.3.2. Tab 2: The ASIP/IATP PROJO appointment letter.

2.2.3.3. Tab 3: A copy of this OI marked "For Reference Only."

2.2.3.4. Tab 4: QA Superintendents record of annual review of ASIP/IATP program.

2.2.3.5. Tab 5: Any additional contents at the discretion of the PROJO.

2.3. The 100th Operations Group CC will:

2.3.1. Ensure all aircrew and aircraft commanders understand their responsibilities IAW TO 1C-135-38.

2.3.1.1. Aircrew will operate the FDR/CVR system IAW the KC-135 Reference and In-flight manual to comply with TO 1C-135-38.

2.3.1.2. In coordination with the MXG/CC, a maintenance led program will be developed to train aircrew on “the effects various mission profiles, maneuvers and techniques have on aircraft structural life” as defined by TO 1C-135-38.

2.4. The 100th Aircraft Maintenance Squadron (AMXS) Debrief section will:

2.4.1. Ensure that the automated AFTO Form 76 information is downloaded to a PCMCIA card and forwarded to the TEMS monitor. TO IC-135-2-11-40-7, *Maintenance Instructions – Flight Monitoring, USAF Aircraft Models KC-135R/T* states the following:

2.4.2. AFTO Form 76.

2.4.2.1. An automated AFTO Form 76, is used to record data from each aircraft flight. The FDR records the following parameters for creation of an automated AFTO Form 76:

2.4.2.1.1. In-flight refueling door open (Air Refueling Receiver aircraft only)

2.4.2.1.2. Air-refueling boom retracted

2.4.2.1.3. Air-refueling boom engaged

2.4.2.1.4. Speed brakes

2.4.2.1.5. C/KC-135 Aircraft Structural Assessment AFTO Form 76

2.4.2.1.6. Autopilot altitude hold discrete

2.4.2.1.7. Engine start switches (4 each)

2.5. Once the flight has been completed, the AFTO Form 76 information is downloaded (as part of the super set of data) to a PCMCIA card from the DDTU and then downloaded to the Comprehensive Engine Management System (CEMS) for distribution. The manual filling out of the AFTO Form 76 is to continue until such time as notified by 827 ACSG/550 ACSS or AMC.”

CHRISTOPHER J. KULAS, Colonel, USAF
Commander

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

AFI 21-101, *Aerospace Equipment Maintenance Management*, 26 July 2010

TO 135-2-11-40-7, *Maintenance Instructions—Flight Monitoring, USAF Aircraft Models KC-135R/T*, 26 July 2010

TO 1C-135-38, *Aircraft Structural Integrity Program*, 6 June 2007

Prescribed Forms

N/A

Adopted Forms

Air Force Form 847, *Recommendation for Change of Publication*

AFTO Form 76, *C/KC-135 Aircraft Assessment Data*

Abbreviations and Acronyms

AFI—Air Force Instruction

AFMAN—Air Force Manual

AFPD—Air Force Policy Directive

ARW—Air Refueling Wing

ASIP—Aircraft Structural Integrity Program

CC—Commander

CEMS—Comprehensive Engine Management System

DDTU—Data Display and Transfer Unit

IATP—Individual Aircraft Tracking Program

IAW—In accordance with

MXG—Maintenance Group

OI—Operating Instruction

OPR—Office of Primary Responsibility

PCMCIA—Personal Computer Memory Card International Association

PROJO—Project Officer

QA—Quality Assurance

TEMS—Turbine Engine Monitoring System

TO—Technical Order