

**BY ORDER OF THE COMMANDER
19TH AIRLIFT WING**

**LITTLE ROCK AIR FORCE BASE
INSTRUCTION 21-112**

28 NOVEMBER 2014

Maintenance

**AIRCRAFT STRUCTURAL INTEGRITY
PROGRAM (ASIP)**



COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

ACCESSIBILITY: Publications and forms are available for downloading or ordering on the e-Publishing website at www.e-Publishing.af.mil.

RELEASABILITY: There are no releasability restrictions on this publication.

OPR: 19MXG/QA

Certified by: 19 MXG/CC
(Colonel Daniel R. Lockert)

Supersedes: 19 MXGOI 21-118,
15 August 2011

Pages: 6

This instruction implements AFI 21-101, *Aircraft and Equipment Maintenance Management*, and applies to all applicable 19th Airlift Wing (19 AW) units. This instruction outlines policies and assigns responsibilities for implementing an Aircraft Structural Integrity Program (ASIP). It is used in conjunction with established instructions listed in Attachment 1. Ensure that all records created as a result of processes prescribed in this publication are maintained IAW Air Force Manual (AFMAN) 33-363, *Management of Records*, and disposed of IAW Air Force Records Information Management System (AFRIMS) Records Disposition Schedule (RDS). Refer recommended changes and questions about this publication to the Office of Primary Responsibility (OPR) using the AF Form 847, *Recommendation for Change of Publication*; route AF Forms 847 from the field through the appropriate functional chain of command.

SUMMARY OF CHANGES

This document has been substantially revised and must be completely reviewed. Major changes include: Changing (GMS) Ground Maintenance System to DTADS (Data Transfer and Diagnostic System). Removed 314th AW from publication since the 314th has a publication for this program.

1. General.

1.1. The C-130 ASIP is managed by the C-130 System Program Office, WR-ALC/LBRA. This office analyzes data provided by Operations and Maintenance units using a web based

program called Automated Inspection, Repair, Corrosion and Aircraft Tracking (AIRCAT). Operations Group (OG) personnel input aircraft usage data using the Usage Data Input (UDI) segment. Maintenance Group (MXG) personnel utilize the Inspection, Corrosion And Repair Recording (ICARR) segment for documenting required ASIP inspections, aircraft structural repairs and reports of damage to aircraft structures as well as submit C-130J Data Transfer and Diagnostic System (DTADS) downloads to AIRCAT. A major function of the United States Air Force (USAF)-AIRCAT system is to provide data to generate the ASIP report. This report is used to make decisions regarding modifications, acquisition, reassignment and retirement of the Air Force C-130 aircraft.

1.1.1. Usage reporting from the Operations Group is used to establish the inspection intervals for the aircraft, determine the service life of major components and the schedule of aircraft retirements. The replacement of the center and outer wings are predicted from this data.

1.1.2. Maintenance Group reporting is necessary to determine frequency of inspections on aircraft. Repairs that are installed on primary structure can change standard inspection requirements or necessitate new inspections in order to insure the safety of the aircraft.

2. ASIP Project Officer appointment and responsibilities:

2.1. The Maintenance Group ASIP Project Officers will:

2.1.1. Be appointed by their respective MXG/CC.

2.1.1.1. At a minimum, a primary and alternate Project Officer will reside within their respective Maintenance Group.

2.1.2. Act as the main point of contact for MXG ASIP issues and distribute applicable ASIP correspondence received from WR-ALC Robins AFB GA.

2.1.3. Perform quarterly spot checks on ASIP monitors and document inspection results.

2.2. The Operations Group ASIP Project Officers will:

2.2.1. Be appointed by their respective OG/CC.

2.2.1.1. At a minimum, a primary and alternate Project Officer will reside within their respective Operations Group.

2.2.2. Act as the main point of contact for OG ASIP issues and distribute applicable ASIP correspondence received from WR-ALC Robins AFB GA.

2.2.3. Perform Quality Assurance checks IAW TO 1C-130-101 Chapter 4.

3. ASIP monitor appointment and responsibilities:

3.1. Aircraft Maintenance Squadron ASIP monitors will:

3.1.1. Be appointed by their respective Maintenance Operations Officer

3.1.1.1. At a minimum, a primary and alternate ASIP monitor will reside in each respective Debrief section, that utilizes DTADS, assigned to Little Rock AFB.

3.1.2. Maintain a continuity binder to include, at a minimum, the ASIP monitor appointment letters and training documentation.

- 3.1.3. Ensure all required Flight Data Worksheets are available for Aircrew at debrief locations.
- 3.1.4. Verify the accuracy of Flight Data Worksheets before Aircrew leaves debrief.
- 3.1.5. Submit DTADS flight data download to the “J Model Data” Graphical User Interface (GUI) found on the AIRCAT Web site not later than the next duty day after mission completion.
- 3.2. 19th Equipment Maintenance Squadron ASIP monitors will:
 - 3.2.1. Be appointed by their respective Maintenance Operations Officer
 - 3.2.1.1. At a minimum, a primary and alternate ASIP monitor will reside in the Aircraft Structural Maintenance and Non-Destructive Inspection sections.
 - 3.2.2. Maintain a continuity binder to include, at a minimum, the ASIP monitor appointment letters and training documentation.
 - 3.2.3. Coordinate with the Client Support Administrator (CSA) to ensure the most current ICARR software is installed on work center computers to support the 19 MXG ASIP program.
 - 3.2.4. Use a general purpose or locally devised form to log ICARR inputs until they are submitted to ICARR. Retain completed forms for one year.
 - 3.2.5. Input ICARR entries for applicable inspections and repairs as soon as practical but no later than 5 working days of completion.
 - 3.2.6. Submit all repairs against the following systems: 11XXX – primary structure and skin and 13XXX – landing gear into ICARR IAW 1C-130A-23.
 - 3.2.7. Submit all required ASIP inspection results into ICARR IAW 1C-130A-36.
- 3.3. Operations Group ASIP monitors will:
 - 3.3.1. Be appointed by their respective Operations Officer.
 - 3.3.1.1. At a minimum, a primary and alternate ASIP monitor will reside in each respective Airlift Squadron assigned to Little Rock AFB.
 - 3.3.2. Ensure applicable C-130 flight data worksheets are submitted into AIRCAT IAW TO 1C-130-101.
 - 3.3.3. Archive flight data worksheets for 2 years IAW TO 1C-130-101.

4. Training requirements for personnel responsible for ASIP aircraft usage data collection and submittal.

- 4.1. Training will consist of on-the Job Training (OJT) from current system users within the affected sections. ICARR users will also utilize the power point presentation available on the AIRCAT website. All training will be documented on an AF IMT 797, Job Qualification Standard Continuation, or other appropriate AF IMT.
- 4.2. A copy of ASIP monitor appointment letters will be provided to the applicable ASIP Project Officer upon appointment and/or when there is a change of monitors.

5. Documentation requirements for ASIP aircraft usage data collection and submittal.

5.1. All documentation requirements for aircraft usage data collection and submittal contained in TO 1C-130-101 will be adhered to by affected personnel.

5.2. C-130J debrief personnel will follow DTADS usage guidance contained in TO's 31S5-4-2834-1, 31S5-4-6197-1 and 31S5-4-6198-1.

5.3. All aircraft usage data worksheets will be submitted as soon as practical but no later than 15 days after mission completion IAW TO 1C-130-101.

6. Procedures to collect and submit ASIP aircraft usage data at deployed locations.

6.1. All affected personnel will adhere to the guidance contained in this instruction when deployed away from home station.

6.2. If local ASIP instructions are already in place at the deployed location, personnel will follow the local ASIP guidance in addition to the ASIP guidance contained within this instruction to ensure accurate and on-time reporting while temporarily assigned away from home station.

7. Procedures, not listed in applicable TOs, to maintain flight data recorders on equipped aircraft and the associated downloading equipment or storage media will be addressed IAW TO 00-5-1.

PATRICK J. RHATIGAN, Colonel, USAF
Commander

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

AFMAN 33-360, *Publications and Forms Management*, 25 September 2013

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

AFI 21-101 AMC Sup 1, *Aircraft and Equipment Maintenance Management*, 21 October 2010

AFI 63-1001, *Aircraft Structural Integrity Program*, 18 April 2002

TO 00-5-1, *AF Technical Order System*, 11 May 2011

TO 00-5-1 AMC Sup 1, *AF Technical Order System*, 10 November 2011

TO 1C-130-101, *Aircraft Usage Report Instructions*, 15 November 2011

TO 1C-130A-23, *System Peculiar Corrosion Control*, 15 May 2001

TO 1C-130A-36, *Nondestructive Inspection Procedure*, 1 December 2010

TO 31S5-4-2834-1, *Portable Maintenance Aid (PMA) User Manual*, 1 July 2011

TO 31S5-4-6197-1, *Ground Maintenance System (GMS) User Manual, Aircraft Maintenance and System Administration*, 1 July 2013

TO 31S5-4-6198-1, *Ground Maintenance System (GMS) User Manual, Engineering Control and System Administration*, 1 July 2013

TO 1C-130J-2-45JG-30-1, *Data Transfer and Diagnostic System (DTADS)*, 1 July 2013

TO 1C-130J-2-45GS-00-1, *Data Transfer and Diagnostic System (DTADS)*, 1 July 2011

Prescribed Forms

None

Adopted Forms

AF Form 847, *Recommendation for Change of Publication*

AF IMT 797, *Job Qualification Standard Continuation/Command*

Abbreviations and Acronyms

AIRCAT—Automated Inspection, Repair, Corrosion and Aircraft Tracking

ASIP—Aircraft Structural Integrity Program

CSA—Client Support Administrator

DTADS—Data Transfer and Diagnostic System

GUI—Graphical User Interface

ICARR—Inspection, Corrosion And Repair Recording

MXG—Maintenance Group

OG—Operations Group

OJT—On the job training

TO—Technical Order

UDI—Usage Data Input

WR—ALC--Warner Robins Air Logistics Center