

CHAPTER 130 REVIEW OPERATOR'S MECHANICAL INTERRUPTION SUMMARY REPORT

Section 1 Background

1. PTRS ACTIVITY CODES

A. *Maintenance:* 3322

B. *Avionics:* 5322

3. OBJECTIVE. This chapter provides guidance for monitoring an operator's fleet performance by tracking mechanical irregularities that occur during scheduled operations.

5. GENERAL. Operators are required by FAR §§ 121.705 and 135.417 to submit a monthly Mechanical Interruption Summary Report (MISR). This report enables the inspector to evaluate the effectiveness of the operator's maintenance and manual procedures.

A. *Requirement for Reporting Mechanical Irregularities*

(1) FAR §§ 121.563 and 135.65 require each certificate holder to provide an aircraft maintenance log for recording or deferring mechanical irregularities, as applicable, and the subsequent corrective actions performed. This log must be carried on board each aircraft.

(2) The operator's manual should provide a method where the pilot-in-command will inform the operator of mechanical irregularities or defects that appear before, during, and after a flight. The operator uses this information to let the maintenance personnel know of any suspected problems so that corrective action can be taken. This method of reporting is the basis for the required Mechanical Reliability Reports (MRR) and Mechanical Interruption Summary Reports.

B. *Aviation Safety Inspector's (ASI's) Role.* Following receipt of an operator's Mechanical Interruption Summary

Report, the ASI must evaluate the information for problem areas and significant trends. If a problem area or trend is evident, the inspector must decide on a course of action to investigate and/or correct the problem as necessary.

C. *Obtaining Additional Information.* The ASI may need to obtain more information than that available on the Mechanical Interruption Summary Report. Possible sources of information include:

- Contact with the operator
- Research of previous Mechanical Interruption Summary Reports and inspection reports
- Investigation of the operator's recent enforcement history for related violations

D. *Analysis and Findings.* Once the necessary data has been gathered, the ASI must analyze the findings to define the cause of the problem and determine a course of corrective action. Possible actions include:

- Filing a Service Difficulty Report (SDR)
- Inspecting aircraft, facilities, or products to ensure minimum standards have been met
- Investigating for possible regulatory non-compliance
- Recommending procedural changes to the operator's manual(s)
- Filing an Enforcement Investigative Report (EIR)

Section 2 Procedures

1. PREREQUISITES AND COORDINATION REQUIREMENTS

A. Prerequisites

- Knowledge of the regulatory requirements of FAR Parts 121 and 135, as applicable
- Familiarity with the operator's procedures manual
- Successful completion of Airworthiness Inspector's Indoctrination Course for General Aviation and Air Carrier Inspections, or previous equivalent

B. *Coordination.* This task may require coordination with other Airworthiness Aviation Safety Inspectors (ASIs).

3. REFERENCES, FORMS, AND JOB AIDS

A. References

- Order 8010.2, Flight Standards Service Difficulty Program, as amended
- Advisory Circular 135-3, Air Taxi Operators and Commercial Operators, as amended

B. *Forms.* None.

C. *Job Aids.* None.

5. PROCEDURES

A. *Analyze the Content of Report.* Review the Mechanical Interruption Summary Report.

(1) Coordinate with the appropriate specialty for analysis.

(2) Determine if any item on the Mechanical Interruption Summary Report requires further action.

B. *Conduct Research.* To determine the course of action and the severity of the problem, accomplish the following, as necessary:

(1) Contact the operator for additional information to help establish the following:

- Were proper maintenance procedures followed?
- Have appropriate corrective actions been taken?

(2) Review previous Mechanical Interruption Summary Reports to detect trends or irregularities that may indicate problem areas in maintenance procedures, operational procedures, or the operator's training

(3) Review previous inspection reports, correspondence, and other documents in the office files to determine if problem areas that relate to Mechanical Interruption Summary Reports have been identified

(4) Examine operator's recent enforcement history to determine if there are any related violation actions

C. *Analyze Findings.* Based on information obtained, determine an appropriate course of action.

D. *Debrief Operator.* Discuss with the operator all significant items identified on the Mechanical Interruption Summary Report. Discuss corrective actions and, if necessary, inform the operator that a letter will follow to confirm the items discussed.

7. TASK OUTCOMES

A. *File PTRS Transmittal Form*

B. Completion of the task may result in the following:

- A formal letter to the operator, confirming the results of the analysis
- A change in the operator's maintenance or manual procedures
- An Enforcement Investigation Report

C. *Document the Task.* File the Mechanical Interruption Summary Report in the operator's district office file according to office procedures.

9. FUTURE ACTIVITIES. Follow-up inspections to ensure compliance, as required.

