

6. CONTINUING ANALYSIS & SURVEILLANCE PROGRAM

A. Flying Boat, Inc. provides methods and procedures to evaluate and control maintenance procedures and inspection effectiveness by a Continuing Analysis and Surveillance Program as required in FAR 121.373. It is the intent of this program to provide for:

1. A means of recognizing deficiencies during operational service.
2. Effective channels for corrective action to correct deficiencies with continuing feedback provisions to measure the effect of action taken.
3. Detection and correction of deficiencies in the applicable company procedures, and manuals, including this program.

B. Committee Administration - The Chief Inspector has overall responsibility for the Surveillance and Analysis Program. Operational responsibility, will be shared by a board consisting of the Chief Inspector, Director of Maintenance, Lead Mechanics, and the C.A.S./Aircraft Records Technician. Also trained and qualified individuals may be contracted to satisfy the operational needs of the CAS committee.

Monthly meetings will be held for evaluation of the collected data and the determination of any corrective action required. The C.A.S./Aircraft Records Technician will keep informal minutes of review board meetings for follow-up evaluation. In addition, the board will monitor all operating phases of the program and establish additional requirements as the need arises.

NOTE: Meetings may be held whenever a need arises to correct a deficiency, which may affect safety. This need shall be determined by the Chief Inspector.

C. Procedures - The Continuing Analysis and Surveillance Program Committee will collect pertinent data generated by compliance with procedure set forth within the company's General Maintenance Manual and observations from members of the committee. Collection of data will include the following:

CONTINUING ANALYSIS AND SURVEILLANCE PROGRAM (Continued)

- D. Monthly Fleet Summaries (C.F. 054) will be prepared using the ATA Chapter format by the C.A.S./Aircraft Records Technician for the following: Pilot Reports (C.F. 002), Service Difficulty Reports (C.F. 041), Deferred Items (C.F. 006), Mechanical Interruptions (C.F. 038), Premature Component Removals, Extension Items (MEL, Deferred, and Escalations), Maintenance items found during daily analysis and priority items (Mechanical Reliability and Maintenance Ferry).

Copies of these summaries will be given to each member of the committee. Finalized Monthly Analysis Reports, including Statistical Summaries prepared by the C.A.S./Aircraft Records Technician, will be forwarded to the F.A.A.'S P.M.I. monthly.

NOTE: It is Flying Boat, Inc. Maintenance Department policy that all discrepancies be documented on the Flight Logs or the Non-routine Work Forms. These include maintenance items from flight logs, cannibalization reports, deferred maintenance lists, and inspection findings.

- E. Other subjects to be evaluated by the Continuing Analysis and Surveillance Committee will be observations from committee members concerning:
1. Repeat Maintenance Items
 2. Paperwork Procedures
 3. Equipment and Tooling
 4. Training
 5. Company Policies
 6. Employee Performance

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F. Daily Analysis

1. Non-Routine Work Forms - The Chief Inspector or his delegate will review all Non-routine Work Forms and/or aircraft log sheets from the previous day's flying or following aircraft and engine inspections. This review will be conducted on a daily basis with areas that indicate adverse trends as to reliability or safety noted by flagging those items. During the monthly Continuing Analysis and Surveillance Committee Meetings, all Non-routine Work Forms will be reviewed again by aircraft number and the flagged items will be further evaluated and discussed as to the need for correction of deficiency in the maintenance program.
2. Teardown Condition Reports - Will be reviewed by the Chief Inspector when received from the vendor.
3. Vendor Visit Reports - Reviewed by the Chief Inspector quarterly.
4. Detailed Mechanical Interruption Summaries - Reviewed monthly by the Continuing Analysis and Surveillance Committee.
5. Mechanical Reliability Reports - Reviewed monthly by the Continuing Analysis and Surveillance Committee.
6. Maintenance Turnover Logs - Reviewed daily by the Director of Maintenance, and outstanding items conveyed at the C.A.S. meetings.
7. Service Bulletins - Reviewed by the Chief Inspector upon receipt for applicability.
8. Engine Conditioning Trend Monitoring (E.C.T.M) – Reviewed by the Continuing Analysis and Surveillance Committee.

NOTE: FAA Principal Airworthiness Inspectors will be notified in writing two weeks prior to a planned CAS meeting.

CONTINUING ANALYSIS AND SURVEILLANCE PROGRAM (Continued)

EVALUATION AND CORRECTION OF DEFICIENCIES

A. The Committee, after evaluating the data presented, will determine if a deficiency does exist. The committee will then provide the necessary action to be taken to correct any problem in its maintenance program. These actions may include:

1. Changes in the content and / or time period of an inspection or a special inspection.
2. The designation of maintenance, preventative maintenance, alteration or inspection item, as a "required inspection" item.
3. The requirement for a special inspection or check of a non-recurring nature. (Fleet Campaign)
4. Changes in required overhaul times on those items required to be overhauled.
5. The change of component control from OC to hard time for inspection or overhaul.
6. The coordination and / or meeting with the representatives of the manufacturer or "approved agency" as necessary in resolving problem areas.
7. Special classroom training and / or recurrent training.
8. Changes in established procedures in the General Maintenance Manual and/or additional procedures to be added to the General Maintenance Manual.
9. Purchase of additional equipment or tooling.
10. An adjustment in stock levels of spares.
11. The selection of and approval of additional or different vendors.

CONTINUING ANALYSIS AND SURVEILLANCE PROGRAM (Continued)

EVALUATION AND CORRECTION OF DEFICIENCIES (Continued)

14. Any other action needed to produce the desired results.
- B. A report titled "Continuing Analysis and Surveillance Program Topic and Evaluation" (C.F. 020) will be generated by the committee addressing deficiencies found within the maintenance program. This report will have space provided for the topic, discussion, action, and solution. The topic addressed on this form will be considered open until a solution is found. Upon being resolved, the report will reflect this by a signature of the Chief Inspector in the "closed by" space and date.
- C. The "Closed" reports will be distributed by the C.A.S./Aircraft Records Technician to the Committee Members at the next subsequent meeting, and the F.A.A.'s P.M.I. in the monthly CAS report.

FLYING BOAT, INC.								FORM: CF. 001	
ROUTINE/NON-ROUTINE WORK CARD									
002461			e-4	57	FL				N 2969
CARD NO.	EST. M/H	ACTUAL M/H	TYPE CK.	ATA	STA	GEN REF. NO.	GEN. CARD. NO.	DATE 11-7-03	
ORIGINATOR	DISCREPANCY REMOVE UNDER RT WING FAIRING IN ORDER TO HAVE ACCESS TO WORK ON RT TANK FUEL LEAK								
RII									
YES	<input checked="" type="radio"/> NO								
PARTS REQUIRED: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>			PARTS ORDERED: YES <input type="checkbox"/> NO <input type="checkbox"/>			PARTS RECEIVED: YES <input type="checkbox"/> NO <input type="checkbox"/>		REQUISITION NO.	
CORRECTIVE ACTION									
Removed & Re-installed rt wing under fairing after repair completed.									
P/N ON					S/N ON <input type="checkbox"/>				
P/N OFF					S/N OFF <input type="checkbox"/>				
ACCOMP. SIGN.						INSP. SIGN.		DATE	
[Signature]						[Signature]		11-9-03	

FLYING BOAT, INC.								FORM: CF. 001	
ROUTINE/NON-ROUTINE WORK CARD									
002458			C-4	57	FL				N 2969
CARD NO.	EST. M/H	ACTUAL M/H	TYPE CK.	ATA	STA	GEN REF. NO.	GEN. CARD. NO.	DATE 11-7-03	
ORIGINATOR	DISCREPANCY LOOSE 2 RIVETS UNDER RT WING FUEL TANK AND HAS FUEL LEAK AT STA 62								
RII									
YES	<input checked="" type="radio"/> NO								
PARTS REQUIRED: YES <input type="checkbox"/> NO <input type="checkbox"/>			PARTS ORDERED: YES <input type="checkbox"/> NO <input type="checkbox"/>			PARTS RECEIVED: YES <input type="checkbox"/> NO <input type="checkbox"/>		REQUISITION NO.	
CORRECTIVE ACTION									
LOOSE RIVETS UNDER RT WING FUEL TANK REMOVED, REPLACED AND SEALED I.A.W. 43.13 SECTION III									
P/N ON					S/N ON <input type="checkbox"/>				
P/N OFF					S/N OFF <input type="checkbox"/>				
ACCOMP. SIGN.						INSP. SIGN.		DATE	
[Signature]						[Signature]		11-10-03	