

CANCELLED See 274

AC NO: 91-27

DATE: 10/30/69



ADVISORY CIRCULAR

DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION

SUBJECT: SYSTEMSWORTHINESS ANALYSIS PROGRAM - GENERAL AVIATION

1. **PURPOSE.** This Advisory Circular provides information on the adaptation of the Systemsworthiness Analysis Program to certain activities in general aviation.
 2. **GENERAL.** Several years ago, the FAA developed a programmed audit type inspection analysis and surveillance system. The Systemsworthiness Analysis Program (SWAP) was initially applied to air carriers (other than air taxis) and commercial operators using large aircraft. In view of the favorable results of the initial application of the program, a test was made to determine the applicability of SWAP to those activities under the jurisdiction of General Aviation District Offices. The results of this test indicate that more efficient use of FAA manpower can be achieved through the application of SWAP to activities such as large air taxi operations, approved pilot training and mechanic schools and repair stations. Adoption of SWAP will reduce the need for frequent inspection and surveillance by individual inspectors to assure safety in aviation.
 3. **ANALYSIS METHODS.** Teams will schedule systemsworthiness analysis inspections of an operator's maintenance and operations systems. SWAP teams will consist of operations, maintenance, and avionic inspectors as applicable to the operator's certificate. Each team member will conduct an analysis of his particular specialty and together they will provide a professional evaluation of the certificate holder's management system. Prior to the start of each analysis, a General Aviation District Office Inspector, who is familiar with the certificate holder's organization, will introduce the team and explain the purpose and scope of the analysis. The team will function as a factfinding arm of the appropriate General Aviation District Office. Any conclusions, recommendations, or required corrective action will be transmitted to the operator by the district office who will initiate any necessary followup action.
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Initiated by: FS-340

10/30/69

4. IMPLEMENTATION. The transition from the present inspection/surveillance methods to the new analysis system will be accomplished on a gradual and orderly basis in recognition that effectiveness comes with experience. Implementation of the program **began during October and November 1969.**

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