

NOT MEASUREMENT SENSITIVE

MIL-A-8867C(AS)  
AMENDMENT 1  
25 March 1993

MILITARY SPECIFICATION  
AIRPLANE STRENGTH AND RIGIDITY  
GROUND TESTS

This amendment forms a part of MIL-A-8867C(AS), dated 10 June 1987, and is approved for use within the Naval Air Systems Command, Department of the Navy, and is available for use by all Departments and Agencies of the Department of Defense.

PAGE 1

1.1: Delete items "h" and "i" and substitute:

"h. Proof tests for flight articles."

PAGE 2

2.1.1: Delete "MIL-A-8870 Airplane Strength and Rigidity - Vibration, Flutter, and Divergence."

PAGE 3

3.1.1: Delete and substitute:

"3.1.1 Terminology. Definitions and symbols are in accordance with 6.5 through 6.5.14 herein, and MIL-A-8860."

PAGE 7

3.3: Delete the last sentence and substitute:

"In addition, an empennage test article shall be used for the empennage dynamic fatigue test of 3.7.1.6.1."

AMSC N/A

FSC 1510

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

MIL-A-8867C(AS)  
AMENDMENT 1

PAGE 29

add as new paragraph 3.7.1.6.1:

"3.7.1.6.1 Empennage dynamic fatigue tests. In addition to fatigue testing for maneuver loads in 3.7.1.6, a dynamic fatigue test shall be performed on the empennage as early as possible in the program. The dynamic tests shall be based on dynamic data measured on the FSD airplane during the flight vibration and acoustic tests. The test shall be performed until the service life with a scatter factor of two is demonstrated. Thereafter, testing shall be continued until a scatter factor of four is achieved or a major nonrepairable failure occurs."

PAGES 31 thru 41

3.8: Delete including all subparagraphs through 3.8.7."

PAGE 33

Figure 3: Delete

PAGES 41 and 42

3.9: Delete including all subparagraphs through 3.9.5:

NOTE: The structural dynamic tests of 3.8 and the dynamic fatigue tests of 3.9 (except the empennage dynamic fatigue tests which have been added as 3.7.1.6.1), have been deleted herein and are superseded by the structural dynamic laboratory and ground tests (4.3) of MIL-A-8870C(AS), dated 25 March 1993.

Preparing activity:  
Navy - AS  
(Project No. 1510-N062)