

United States of America  
Department of Transportation -- Federal Aviation Administration  
**Supplemental Type Certificate**

*Number* ST02093AT

*This certificate issued to*

AAE, Ltd.  
1412B West 40 Hwy.  
Blue Springs, MO 64015

*certifies that the change in the type design for the following product with the limitations and conditions therefor as specified herein meets the airworthiness requirements of Part 25 of the Federal Aviation Regulations.*

*Original Product - Type Certificate Number:* A23WE  
*Make:* Lockheed  
*Model:* L1011-385 -1 & -3;  
L1011-385-1, -14, -15

*Description of Type Design Change:*

This modification approves the installation of a smoke detection and fire suppression system in the lower cargo compartments in accordance with AAE, Ltd. Drawing List TFA10-0055, Revision B, dated 2/19/2000, or later FAA approved revisions.

*Limitations and Conditions:* This installation must be accompanied by AAE, Ltd. Airplane Flight Manual Supplement (AFMS) TFA09-0045, dated March 13, 2000, or later FAA approved revisions. Compatibility of this design change with previously approved modifications must be determined by the installer. If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

*This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.*

*Date of application:* November 25, 1998

*Date received:*

*Date of issuance:* March 13, 2000

*Date amended:*



*By direction of the Administrator*

*Robert R. Hurdall*  
(Signature)

*for* Eugene L. Bollin  
Manager, Systems and Flight Test, ACE-116A  
Aircraft Certification Office

(Title)

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.