

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 hereon meets the airworthiness requirements of Part 25 of the Federal Aviation Regulations.*

*Original Product -- Type Certificate Number:* A23WE  
*Make:* Lockheed  
*Model:* L1011-385-1 and -3  
L1011-385-1, -14, and -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:* December 15, 1995

*Date reissued:*

*Date of issuance:* June 10, 1996

*Date amended:* August 21, 1998; February 14, 2001



*By direction of the Administrator*

*Robert R. Hoodall*  
(Signature)

for Eugene L. Bollin  
Associate Manager, ACE-116A  
Atlanta Aircraft Certification Office

(Title)

FAA APPROVED MODEL LIST (AML) NO. ST02093AT

Original Issue Date: March 13, 2000  
 Revision Date: February 14, 2001

Item	Aircraft Make	Model/ Series	Aircraft Serial Number Eligibility	Installation Number	Instructions Revision Date	AFM Supplement Number	AML Amendment Date
1	Lockheed	L 1011	All except the serial numbers listed in item 2	AAE Master Drawing List TFA10-0055	Revision B, dated February 19, 2000, or *	TFA09-0045, Revision IR, dated March 13, 2000, or *	None
2	Lockheed	L 1011	193A-1012, 1158, 1138, 1131, 1133	AAE Master Drawing List TFA10-0055	Revision H, dated December 11, 2000 or *	TFA09-0055 Revision IR dated February 14, 2001, or *	February 14, 2001

• Later FAA approved revision

FAA Approved: *Robert B. Hardfall*  
 for Eugene L. Bollin  
 Associate Manager, ACE-116A  
 Atlanta Aircraft Certification Office

Date: February 14, 2000