

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

*Number* ST01077WI

*This certificate issued to*

AAE, LTD  
1052 S W Luttrell Rd  
Suite C  
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 Regulations.*

*Original Product--Type Certificate Number* A28NM

*Make:* Airbus

*Model:* A320 Series

*Description of Type Design Change:* Installation of AAE's smoke detection and fire suppression system in the lower Class C cargo compartments. This installation is in accordance with the AAE, Ltd. Master Drawing List TFA10-0057, Rev. K, dated 08-06-02; TFA10-0057, Rev. O, dated September 18, 2003; or later FAA approved revisions.

Note:

The subject STC has been examined by the FAA and meets the requirements of the United Kingdom Civil Aviation Authority TCDS No. FA41, referencing JAA Data Sheet No. JAA/25/95-014 Issue 16 dated January 2003, for the Airbus A320, including additional requirements for Fire Protection System Halon concentration levels as specified in UKCAA Temporary Guidance Material TGM/25/09, Issue 1 dated November 29, 2000, and the Joint Aviation Authority Notice of Proposed Amendment "NPA 25D, F-316 Cat. 1 Items-Mechanical Systems" dated June 1, 2002. This statement is based upon concurrence with the applicant's proposed compliance methodology by the UKCAA, and delegation of the compliance finding to the FAA by the UKCAA.

*Limitations and Conditions:* This installation must be accompanied by the appropriate AAE, Ltd. Airplane Flight Manual Supplement and Instructions for Continued Airworthiness shown on the AAE, Ltd. Master Drawing List TFA10-0057, Rev. K, dated 08-06-02 or later FAA approved revisions. This approval should not be extended to other aircraft of this model on which other previously approved modifications are incorporated, unless it is determined by the installer that the interrelationship between this change and any other previously approved modifications will produce no adverse effect upon the airworthiness of that airplane. 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:* January 17, 2002

*Date reissued:* September 18, 2003

*Date of issuance:* May 30, 2002

*Date amended:*



*By direction of the Administrator*

*Original signed by Joel M. Ligon*

(Signature)

Joel M. Ligon  
Program Manager  
Wichita Aircraft Certification Office

(Title)