

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

*Number* SE00025EN

*Reissued on December 28, 2011, to supersede the original Supplemental Type Certificate, which has been lost or misplaced.*

*This Certificate issued to:* United Technologies Corporation  
Pratt & Whitney Division  
400 Main Street  
East Hartford, CT 06108

*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 33 of the Federal Aviation Regulations.*

*Original Product Type Certificate Number:* E23EA  
*Make:* General Electric Company  
*Model:* CF 6-45A, -45AZ, -50A, -50C, -50CA, -50C1, -50C2, -50C2B, -50C2D, -50E, -50E1, -50E2, -50E2B

**Description of Type Design**

**Change:** Installation of International Aerospace Tubes, LLC, Master Drawing List "TPC Stage 7 Cooling System", revision NR, dated December 15, 2011, or later FAA-Approved Revisions, in accordance with the TPC Stage 7 Cooling Air System Maintenance Manual Part Number 504035, dated, July 13, 1999.

**Limitations and Conditions:** Compatibility of the "TPC Stage 7 Cooling System" with the General Electric Aircraft Engines CF6-45 and -50 Series, 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, revoked, or a termination date is other wise established by the Administrator of the Federal Aviation Administration.*

*Date of application:* March 29, 1995      *Date reissued:* December 28, 2011

*Date of issuance:* January 27, 1999      *Date Amended:*



*By direction of the Administrator*

(Signature)

Karen M. Grant  
Manager, Engine Certification Branch  
Engine Certification Office

(Title)

United States Of America  
Department of Transportation - Federal Aviation Administration  
**Supplemental Type Certificate**  
(Continuation Sheet)