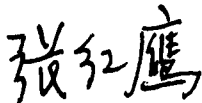


**Technical Arrangement  
Between  
Civil Aviation Administration of China  
And  
Transport Canada Civil Aviation  
For  
The Validation  
Of  
Supplemental Type Certificate SH10-4  
Issued To  
Bristol Aerospace Limited  
For  
Installation of Wire Strike Protection System (WSPS)  
On  
Bell 429  
  
Original Issue**

**Civil Aviation Administration of  
China**  
Aircraft Airworthiness Department

By:



Director General

Date: 2011.01.21

**Transport Canada Civil Aviation**

By:



Director, Standards (AART)

Date: 2011-12-9

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## **1.0 PURPOSE**

This Technical Arrangement (TA) defines the working relationship between Transport Canada Civil Aviation (TCCA) and the Civil Aviation Administration of China (CAAC), to facilitate the CAAC validation of Transport Canada supplemental type certificate SH10-4 issued to Bristol Aerospace Limited for the Installation of Wire Strike Protection System (WSPS) On the Bell 429, the validation of subsequent design changes, and to address continued airworthiness activities.

## **2.0 OBJECTIVES**

This TA is intended to accomplish the following objectives:

- (a) to define the working procedures under the respective responsibilities of each Authority:
  - (i) for the STC validation process including issuance of a validated STC by the CAAC; and
  - (ii) for subsequent post validation activities.
- (b) to minimize redundant inspections, tests, demonstrations, evaluations, and approvals.

### **3.0 CAAC REQUIREMENT**

The requirement for this TA stems from paragraph 21.29 of CAAR 21 – *Certification Procedures for Civil Aviation Products and Parts*.

### **4.0 DURATION**

This TA becomes effective upon signature by both CAAC and TCCA. It will remain in effect for the duration of the validation activities and as long as post validation activities are taking place.

### **5.0 COMMUNICATION**

- (1) The Aircraft Airworthiness Certification Department of CAAC (CAAC-AAD) and the Standards Branch (AART) of TCCA are responsible for the administration of this Technical Arrangement (TA). TCCA Standards Branch (AART) will work in conjunction with the Aircraft Certification Division - Prairie and Northern identified in Appendix 1 that has geographical jurisdiction over the holder of this STC.
- (2) All communications between CAAC-AAD and TCCA related to the activities of this TA will be made in the English language or Chinese language accompanied by an English translation. The contact points for CAAC-AAD and TCCA are provided in Appendix 1 of this TA. Unless otherwise specified, TCCA shall be copied of all correspondence between Bristol Aerospace Limited and CAAC related to the activities of this TA.
- (3) Any disagreement regarding the interpretation or application of this TA will be resolved by consultation between the CAAC-AAD and TCCA. Every effort should be made to resolve differences at the technical level. Issues that cannot be satisfactorily resolved at the technical level should be expeditiously raised to the attention of the responsible contact points of TCCA and CAAC-AAD on a progressive level until an agreement or resolution is reached.

### **6.0 VALIDATION ACTIVITIES**

#### **6.1 General**

TCCA and CAAC recognize that Bristol Aerospace Limited:

- (a) is the primary source for providing the technical support to CAAC-AAD for purposes of this TA. When requested, TCCA may provide necessary assistance and support within its regulatory functions and resource capacity.
- (b) is responsible for demonstrating compliance with the CAAC-AAD certification basis.

## **6.2 Certification Basis**

- (1) The subject of the CAAC validation is Transport Canada SH10-4 Issue 1 as approved on February 1, 2010.
- (2) The Transport Canada certification basis for this STC is defined on the STC document.
- (3) The CAAC certification basis for purposes of the validation of the Transport Canada SH10-4 and issuance of a CAAC-validated supplemental type certificate (VSTC) is the same as that of the Transport Canada STC SH10-4 plus any Additional Technical Conditions (ATCs) notified. CAAC-AAD will notify in writing both to TCCA and Bristol Aerospace Limited of any ATCs necessary for the CAAC validation.

## **6.3 Findings of Compliance**

- (1) CAAC-AAD will perform its own findings of compliance for the purpose of its validation activity. However, CAAC may elect to recognize or accept findings of compliance by TCCA for those requirements that they have a similar or common interpretation.
- (2) CAAC-AAD may request assistance from TCCA in findings of compliance for those ATCs identified under paragraph 6.2(3), except those requirements or airworthiness standards where TCCA has not acquired sufficient understanding to make a finding of compliance on behalf of CAAC.

## **6.4 Issuance of Validated Type Certificate**

CAAC will issue its own corresponding VSTC once it has determined that the type design complies with the CAAC certification basis established under section 6.2(3).

## **6.5 Approval of aircraft flight manual supplement**

Aircraft flight manual supplements, if any, will be approved by TCCA on behalf of the CAAC-AAD and will be in accordance to the CAAC approved type design.

## **7.0 POST VALIDATION ACTIVITIES**

### **Design change approval:**

- a) Design changes that result in the re-issuance of the TCCA STC SH10-4, Issue 1, which will constitute the basis for the issuance of the CAAC-VSTC under this TA, will have to be validated by CAAC by applying a certification procedure similar to that described in paragraph 6.0.

Note: Design changes include repair designs.

- b) All other design changes approved by TCCA or its appropriately-authorized delegate and in compliance with CAAC validation basis will be considered approved by CAAC.

## **8.0 CONTINUED AIRWORTHINESS SUPPORT ACTIVITIES**

- (1) When the service experience in China indicates the existence of an unsafe condition associated with the design or manufacturing of the subject STC, CAAC will promptly notify TCCA of such information. When such information is provided, TCCA will promptly analyze this information in coordination with the STC holder and will notify CAAC, where appropriate, of any action it deems necessary.
  - (2) In accordance with ICAO Annex 8, *Airworthiness of Aircraft*, TCCA will promptly notify CAAC of any mandatory continuing airworthiness information related to the subject STC that TCCA has found necessary for the continuing airworthiness and safe operation of affected aircraft.
  - (3) TCCA, upon request, will assist CAAC in establishing procedures deemed necessary by CAAC for maintaining the continuing airworthiness of the aeronautical product covered by this STC.
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**APPENDIX 1: POINTS OF CONTACT for TCCA SH10-4, Issue 1**

| <b>CAAC</b>   | <b>TCCA</b>   |
|---|---|
| <p><b>Aircraft Airworthiness Certification Department</b></p> <p><b>Director, Aircraft Certification Division</b></p> <p>155 Dongsu Street West<br/>Beijing 100710<br/>Peoples Republic of China</p> <p>Phone: 86 10 64092331<br/>Fax: 86 10 64033087</p> | <p><b>Administration-related:</b></p> <p><b>National Headquarters</b><br/>Director–Standards (AART)<br/>330 Sparks St., 2nd Floor<br/>Place de Ville, Tower C<br/>Ottawa, Ont. KIA 0N5<br/>Canada</p> <p>Phone: +1 613 952 4371<br/>Fax: +1 613 952 3298</p> <p><b>Certification-related:</b></p> <p><b>Prairie and Northern Region</b><br/>Regional Superintendent–Aircraft Certification<br/>344 Edmonton Street<br/>Winnipeg, Manitoba<br/>R3C 0P6</p> <p>Phone: +1 204 984 1887<br/>Fax: .....+1 204 984 6021</p> |



Transport  
Canada

Transports  
Canada

Ottawa, Ontario  
K1A 0N8

*Your file* *Votre référence*

*Our file* *Notre référence*  
RDIMS # 7187033

December 8, 2011

Mr. Zhang Hongying  
Director General  
Aircraft Airworthiness Certification Department  
Civil Aviation Administration of China  
155 Dongsu Street West  
Beijing 100710  
Peoples Republic of China

**Subject : Technical Arrangement (TA) for the CAAC Validation of Supplemental  
Type Certificate SH10-4 issued to Bristol Aerospace Limited for  
Installation of Wire Strike Protection System (WSPS) on Bell 429**

Dear Mr. Zhang Hongying,

Please find attached the original copy of the signed TA regarding CAAC's validation of Bristol Aerospace's STC SH10-4 Installation of Wire Strike Protection System (WSPS) on Bell 429. I would ask that you inform us when your validation activities are complete.

Sincerely,

Jacqueline Booth  
A/Director, Standards  
Civil Aviation

Canada