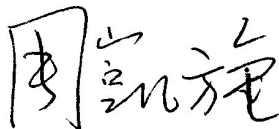


Technical Arrangement  
Between  
General Administration of Civil Aviation Of China  
And  
Transport Canada Civil Aviation  
For  
Type Validation of Supplemental Type Certificate SA07-7  
For  
AFIRS 220 (Automated Flight Information Reporting System) Installation  
with Optional Global Voice and Global Text Satellite Communications  
On  
Bombardier DHC-8-100, -200 and -300 Series Aircraft

Issue 1, January 12, 2007

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

By:



Mr. Zhou Kaixuan  
Deputy Director General, Aircraft  
Airworthiness Certification Department

**Transport Canada Civil Aviation**  
Aircraft Certification

By:



Mr. Martin J. Eley  
Director, Aircraft Certification (AARD)

**JAN 12 2007**

Technical Arrangement  
Between  
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## **1. PURPOSE**

This Technical Arrangement (TA) defines the working relationship between Transport Canada Civil Aviation (TCCA) and the General Administration of Civil Aviation of China (CAAC), to facilitate the CAAC validation of Transport Canada Supplemental Type Certificate SA07-7 for AFIRS 220 System on Bombardier DHC-8-100, -200 and -300 Series Aircraft.

## **2. OBJECTIVES**

This TA is intended to accomplish the following objectives:

- 2.1 To define the working procedures under the respective responsibilities of each Authority:
  - a) For the STC validation process; and
  - b) For subsequent post type validation activities.
- 2.2 To minimize redundant inspections, tests, demonstrations, evaluations, and approvals.

## **3. REQUIREMENT AND BASIS**

The requirement for this TA stems from paragraph 3.3.3 of CAAC AP 21-01R1 dated 1 January 2000 (English version), Validation Procedures for Import of Civil Aviation Products and Parts.

## **4. DURATION**

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

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## **5. COMMUNICATION**

- 5.1 The Aircraft Airworthiness Certification Department (CAAC-AAD) of CAAC and the Aircraft Certification Branch (AARD) of TCCA are responsible for the administration of this Technical Arrangement. The Aircraft Certification Branch (AARD) will work in conjunction with the Aircraft Certification Division – Prairie and Northern Region identified in Appendix 1 that has geographical jurisdiction over AeroMechanical Services Ltd.
- 5.2 AeroMechanical Services Ltd. will be the primary source for providing the technical support to CAAC. When requested, TCCA will provide the necessary assistance and support within its regulatory functions.
- 5.3 All communications between CAAC 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 and TCCA are provided in Appendix 1.
- 5.4 Any disagreement regarding the interpretation or application of this TA will be resolved by consultation between the CAAC and TCCA.
- 5.5 Unless otherwise specified, TCCA shall be copied of all correspondence between AeroMechanical Services and CAAC related to the activities of this TA, in order to enable TCCA support to AeroMechanical Services and CAAC-AAD in the future.

## **6. STC VALIDATION ACTIVITIES**

### **6.1 General**

- a) The subject of CAAC validation is Transport Canada Supplemental Type Certificate: SA07-7, Issue 1 as approved on January 12, 2007.
- b) The Transport Canada certification basis for this STC is as described Type Certificate Data Sheet A-142.

### **6.2 STC Validation**

- a) The CAAC certification basis for purposes of validation of the Transport Canada STC SA07-7 and issuance of a CAAC-Validated Supplemental Type Certificate (VSTC) is the same as that of the Transport Canada STC.
- b) CAAC will issue its own corresponding VSTC once it has satisfactorily completed review of the subject Transport Canada STC and its supporting data.

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## **7. POST VALIDATION ACTIVITIES**

### **7.1 STC Design change approval**

- a) Design changes that result in the re-issuance of the TCCA STC SA07-7, which constituted the basis for the issuance of the CAAC-VSTC under this TA, will have to be validated by CAAC.
- b) All other design changes approved by TCCA or its Delegate will be considered approved by CAAC.

### **7.2 Documentation approval**

Subject to paragraph 7.1 a), information or instructions (such as Service Bulletins, Technical Instructions, etc.), including any subsequent changes or revisions thereto, that are approved by TCCA or its appropriately authorized Delegate will be considered approved by the CAAC.

## **8. CONTINUED AIRWORTHINESS SUPPORT ACTIVITIES**

- 8.1 CAAC will promptly notify TCCA of the existence of any unsafe condition associated with the design, manufacture, operation or maintenance of the subject STC.
  - 8.2 In accordance with ICAO Annex 8, TCCA will promptly notify CAAC of any mandatory continuing airworthiness information that TCCA has found necessary for the continuing airworthiness and safe operation of aircraft equipped with the subject STC.
  - 8.3 TCCA, upon request, will assist CAAC in establishing procedures deemed necessary by CAAC for maintaining the continuing airworthiness of aircraft equipped with the subject STC.
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## APPENDIX 1

### POINTS OF CONTACT: TCCA STC SA07-7

| CAAC  | TCCA  |
|---|---|
| <p>Aircraft Airworthiness Certification Department</p> <p>155 Dongsì Street West<br/>Beijing 100710<br/>Peoples Republic of China</p> <p>Mr. Zhou Kaixuan<br/>Deputy Director General, Aircraft<br/>Airworthiness Certification Department</p> <p>Phone: 0086-10-64092331<br/>Fax: 0086-10-64092331</p> | <p>Headquarter: Aircraft Certification Branch</p> <p>Director - Aircraft Certification<br/>(AARD)<br/>330 Sparks St., 3rd Floor<br/>Place de Ville Tower C<br/>Ottawa, Ont. K1A 0N5<br/>Canada</p> <p>Phone: (613) 952-4338<br/>Fax: (613) 996-9178</p> <p>Region: Prairie and Northern Region</p> <p>Regional Manager – Aircraft<br/>Certification (RAED)<br/>1100, 9700 Jasper Avenue<br/>Edmonton, Alberta<br/>Canada T5J 4E6</p> <p>Phone: (780) 495-3856<br/>Fax: (780) 495-7963</p> |

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