

**Technical Arrangement  
Between  
Civil Aviation Administration of China  
And  
Transport Canada Civil Aviation  
For  
The Validation  
Of  
Supplemental Type Certificate SA11-88 Issue 1  
Issued To  
Bombardier Aerospace  
For  
Installation, CMC Electronics PilotView Class II Electronic Flight Bag  
On  
Bombardier CL-600-2B16 (604 Variant)  
  
Original Issue**

**Civil Aviation Administration of  
China**

Aircraft Airworthiness Certification  
Department

By:

张红鹰

Director General

Date: 2011.12.19

**Transport Canada Civil Aviation**

By:

Director, Standards (AART)

Date: April 13, 2012

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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 SA11-88 Issue 1 issued to Bombardier Aerospace for the Installation, CMC Electronics PilotView Class II Electronic Flight Bag On Bombardier CL-600-2B16 (604 Variant), 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 CCAR 21 – *Certification Procedures for Civil Aviation Products and Parts*.

### **4.0 DURATION**

This TA becomes effective upon signature by both CAAC and TCCA on the latest date of signature. 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 Region 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 Bombardier Aerospace 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 Bombardier Aerospace:

- (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 STC SA11-88 Issue 1, as approved on October 25, 2011.
- (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 STC SA11-88 Issue 1 and issuance of a CAAC-validated supplemental type certificate (VSTC) is the same as that of the Transport Canada STC SA11-88 Issue 1 plus any Additional Technical Conditions (ATCs) notified. CAAC-AAD will notify in writing both to TCCA and Bombardier Aerospace 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 SA11-88 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 certification 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 SA11-88 Issue 1**

CAAC	TCCA
<p><b>Aircraft Airworthiness Certification Department</b></p> <p><b>Director, Aircraft Certification Division</b></p> <p>155 Dongsu Street West Beijing 100710 Peoples Republic of China</p> <p>Phone: 86 10 64092331 Fax: 86 10 64033087</p>	<p><b>Administration-related:</b></p> <p><b>National Headquarters</b> Director–Standards (AART) 330 Sparks St., 2nd Floor Place de Ville, Tower C Ottawa, Ont. KIA 0N5 Canada</p> <p>Phone: +1 613 952 4371 Fax: +1 613 952 3298</p> <p><b>Certification-related:</b></p> <p>Prairie and Northern Region P.O. Box 8550 344 Edmonton Street Winnipeg, MB R3C 0P6 Phone: +1 888 463 0521 Fax +1 204-984-6021</p>



Department of Transport

# Supplemental Type Certificate

This approval is issued to:

Bombardier Aerospace  
400 Côte-Vertu Road West  
Dorval, Quebec  
Canada H4S 1Y9

*Number:* SA11-88

*Issue No.:* 1

*Approval Date:* October 25, 2011

*Issue Date:* October 25, 2011

**Responsible Office:**

Prairie and Northern

**Aircraft/Engine Type or Model:**

BOMBARDIER CL-600-2B16 (604 Variant)

**Canadian Type Certificate or Equivalent:**

A-131

**Description of Type Design Change:**

Installation, CMC Electronics PilotView Class II  
Electronic Flight Bag

**Installation/Operating Data:**

Modification to be completed in accordance with ACS-NAI Ltd. Modification Data Summary Number H220000 Revision N/C, Transport Canada approved October 25, 2011 or later Transport Canada approved revision.

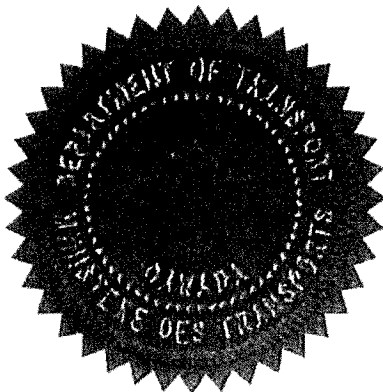
**Required Equipment and Limitations:**

1. Transport Canada approved ACS-NAI Ltd. Airplane Flight Manual Supplement H220090 Revision N/C or later Transport Canada approved revision.
2. Transport Canada approved Bombardier document H220070-AWL revision FI or later Transport Canada approved revision.

**Instructions for Continued Airworthiness:**

For Instructions for Continued Airworthiness, refer to Bombardier document H220070-ICA Revision FI or later approved revision.

— End —



**Conditions:** This approval is only applicable to the type/model of aeronautical product specified therein. Prior to incorporating this modification, the installer shall establish that the interrelationship between this change and any other modification(s) incorporated **will not** adversely affect the airworthiness of the modified product.

Marc Malo  
For Minister of Transport

**DESIGN APPROVAL DOCUMENT  
TRANSFER**

**TRANSFERT DU DOCUMENT  
D'APPROBATION DE LA  
CONCEPTION**

Transfer of this design approval document requires the prior approval of the Minister and the reissue of this document in the name of the transferee.

L'approbation préalable du ministre est exigée en vue d'un transfert de ce document d'approbation de la conception et la réédition de ce document au nom du cessionnaire.

The reissue of this design approval document in the name of the transferee will be contingent on the holder and the transferee fulfilling their responsibilities as described in section 521.357 of the *Canadian Aviation Regulations*.

La réédition de ce document d'approbation de la conception au nom du cessionnaire est conditionnelle à la satisfaction des exigences et des responsabilités, du titulaire et du cessionnaire, décrites dans l'article 521.357 du *Règlement de l'aviation canadien*.

I have reviewed the above requirements and recognize that until the above requirements are met the certificate and all its privileges and obligations will not be transferred.

J'ai examiné les conditions susmentionnées et je comprends que le transfert du certificat et des privilèges et des obligations s'y rattachant ne sera pas effectué tant que ces conditions n'auront pas été respectées.

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Signature of holder/signature du titulaire

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date/date

