

**Bombardier Aerostructures & Engineering  
Services  
Belfast  
(Short Brothers PLC)**

**Technical Support Price Catalogue  
January 2018**

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## INTRODUCTION

### **General**

This Price Catalogue lists the various Technical/Engineering Support Services provided by Bombardier Aerostructures and Engineering Services in support of products under the responsibility of the Belfast site (Short Brothers PLC).

Prices are in US Dollars and for your convenience the Price Catalogue has been arranged by Support Service for easy reference.

All prices quoted will remain valid for 90 days.

We reserve the right to modify price without notice.

Prices in this Price Catalogue are effective from 01 January 2018, and will remain firm until 31 December 2018.

Support Packages encompassing these various services can be established with operators and negotiated on an individual basis.

## Correspondence

Send all correspondence about this Catalogue to:

BOMBARDIER AEROSPACE, SHORTS  
CUSTOMER SUPPORT  
PO BOX 241,  
AIRPORT ROAD,  
BELFAST BT3 9DZ  
NORTHERN IRELAND

E-MAIL: [bfs\\_tech\\_pubs@aero.bombardier.com](mailto:bfs_tech_pubs@aero.bombardier.com)

For 24 hour Technical Information and Support

Technical AOG HelpLine: +44 (0)7850 770826

For 24 hour Spares Information and Support:

Spares AOG Support Line: +44 (0)28 9073 3001  
Spares AOG Fax No. +44 (0)28 9073 3839

Website: [www.mro.aero.bombardier.com](http://www.mro.aero.bombardier.com)

## CUSTOMER ACCOUNTS & CREDIT FACILITIES

Questions or concerns relative to Invoicing, Credit, Terms of Sale  
etc, should be directed to:

Lorraine McVeigh  
Bombardier Aerospace  
Customer Services  
P O Box 241  
Airport Road  
Belfast  
BT3 9DZ  
Northern Ireland

Telephone: +44 (0) 28 90 733866

E-mail: [bfs\\_tech\\_pubs@aero.bombardier.com](mailto:bfs_tech_pubs@aero.bombardier.com)

Website: [www.mro.aero.bombardier.com](http://www.mro.aero.bombardier.com)

## TECHNICAL PUBLICATIONS

This section lists the most current range, revision and price of manuals for all Bombardier Aerospace and Engineering Services, Belfast (Short Brothers PLC) Aircraft and Components. The manuals are published on Paper (P), CD- Rom (CD) and Online.

Prices are in US Dollars and for your convenience the Price Book has been arranged by Aircraft Model or component for easy reference.

All initial orders for publications are processed immediately upon receipt. Depending upon availability orders should be despatched within approximately 2 weeks.

## ORDER PLACEMENT

To place orders or obtain information on queries concerning  
Technical Publications, please contact:

Lorraine McVeigh  
Bombardier Aerospace  
Customer Services  
P O Box 241  
Airport Road  
Belfast  
BT3 9DZ  
Northern Ireland

Telephone: +44 (0) 28 90 733866

E-mail: [bfs\\_tech\\_pubs@aero.bombardier.com](mailto:bfs_tech_pubs@aero.bombardier.com)

Website: [www.mro.aero.bombardier.com](http://www.mro.aero.bombardier.com)

NB: All prices for Publications shall be quoted ex-works, Shorts' Factory, Northern Ireland, unpacked and shall be exclusive of transport and insurance costs, Value Added Tax, and other taxes, charges or duties all of which shall be for the Purchaser's accounts.

**SD360 AIRCRAFT PUBLICATIONS**

PUBLICATION TITLE	REVISION STATUS	FORMAT	US \$ PRICE	ANNUAL SUBSCRIPTION FEE FOR REVISION US \$
MAINTENANCE MANUAL	38	P	4103.33	820.67
		CD	2461.66	492.33
		Online	2461.66	492.33
MAINTENANCE PROGRAMME	14	P	4103.33	820.67
(Incs Supplemental Data Rev 4)		CD	2461.66	492.33
		Online	2461.66	492.33
STRUCTURAL REPAIR MANUAL	13	P	1437.49	287.50
		CD	859.84	171.97
		Online	859.84	171.97
ILLUSTRATED PARTS CATALOGUE	2 <sup>nd</sup> Edition Rev 1	P	4226.16	845.23
		CD	2536.36	507.27
		Online	2536.36	507.27
INFORMATION LETTERS & SERVICE BULLETINS	**	P	3363.00	672.60
(incs Mandatory Service Bulletins)	Sep 2017	CD	1706.46	341.29
		Online	1706.46	341.29
ILLUSTRATED TOOL & EQUIPMENT MANUAL	SEPT 01/82	P	547.77	FOC
		CD	328.66	FOC
		Online	328.66	FOC
EWIS ICA SOURCE DOCUMENT (SD360 ONLY)	ORIG	CD	1477.46	FOC
		Online	1477.46	FOC
CREW MANUAL (65/67 ENGINES)	9/16	P	751.94	TBA
		CD	379.92	TBA
		Online	379.92	TBA
O & M PROCEDURES INC MMEL (CAA)	5	P	166.00	FOC
		CD	166.00	FOC
		Online	166.00	FOC
WIRING DIAGRAM MANUAL	3	P	3535.63	TBA
		CD	2083.73	TBA
WEIGHT & BALANCE MANUAL	ORIG	P	903.00	FOC
AIRCRAFT RECOVERY MANUAL	ORIG	P	411.66	FOC
AIRCRAFT FLIGHT MANUAL	REFLECTS BLD STD	P	3230.21	646.04
SPECIMEN FLIGHT MANUAL	REFLECTS BLD STD	P	3230.21	646.04

MANDATORY SERVICE BULLETINS, PAPER FORMAT ARE INCLUDED IN INFORMATION LETTERS & SERVICE BULLETINS. AND CANNOT BE PURCHASED SEPARATELY

REFLECTS BLD STD: BOOKS ARE DEFINITIVE TO A SPECIFIC AIRCRAFT

\*\* REFLECTS CURRENT CD REVISION, HARD COPY IL/SB'S ARE CONSTANTLY BEING ISSUED.

TBA – WHEN A NEW REVISION IS PRODUCED THE COST WILL BE ADVISED

## SD330 AIRCRAFT PUBLICATIONS

PUBLICATION TITLE	REVISION STATUS	FORMAT	US \$ PRICE	ANNUAL SUBSCRIPTION FEE FOR REVISION US \$
MAINTENANCE MANUAL	73	P	4103.33	820.67
		CD	2461.66	492.33
		Online	2461.66	492.33
MAINTENANCE PROGRAMME	25	P	4103.33	820.67
		CD	2461.66	492.33
		Online	2461.66	492.33
STRUCTURAL REPAIR MANUAL	10	P	1437.49	287.50
		CD	859.84	171.97
		Online	859.84	171.97
ILLUSTRATED PARTS CATALOGUE	2 <sup>nd</sup> Edition Rev 1	P	4226.16	845.23
		CD	2536.36	507.27
		Online	2536.36	507.27
INFORMATION LETTERS & SERVICE BULLETINS (incs Mandatory Service Bulletins)	** Feb 2016	P	3363.00	672.60
		CD	1706.46	341.29
		Online	1706.46	341.29
ILLUSTRATED TOOL & EQUIPMENT MANUAL	5	P	547.77	FOC
		CD	328.66	FOC
		Online	328.66	FOC
CREW MANUAL	45	P	751.94	TBA
		CD	379.92	TBA
		Online	379.92	TBA
O & M PROCEDURES INC MMEL (CAA)	5	P	166.00	FOC
		CD	166.00	FOC
		Online	166.00	FOC
WIRING DIAGRAM MANUAL	23	P	3535.63	TBA
		CD	2083.73	TBA
WEIGHT & BALANCE MANUAL	REFLECTS BLD STD	P	903.00	FOC
AIRCRAFT RECOVERY MANUAL	ORIG	P	411.66	FOC
AIRCRAFT FLIGHT MANUAL	REFLECTS BLD STD	P	3230.21	646.04
SPECIMEN FLIGHT MANUAL	REFLECTS BLD STD	P	3230.21	646.04

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## SC7 SKYVAN AIRCRAFT PUBLICATIONS

PUBLICATIONS TITLE	REVISION STATUS	FORMAT	US \$ PRICE	ANNUAL SUBSCRIPTION FEE FOR REVISION US \$
MAINTENANCE MANUAL	27	P	2884.94	F.O.C.
		CD	1442.20	F.O.C.
		Online	1442.20	F.O.C.
MAINTENANCE PROGRAMME	27	P	2884.94	F.O.C.
		CD	1442.20	F.O.C.
		Online	1442.20	F.O.C.
PILOTS NOTES	30	P	536.15	F.O.C.
		CD	382.88	F.O.C.
		Online	382.88	F.O.C.
ILLUSTRATED PARTS CATALOGUE	16	P	1922.19	F.O.C.
		CD	1531.54	F.O.C.
		Online	1531.54	F.O.C.
REPAIR MANUAL	7	P	1422.27	F.O.C.
		CD	893.40	F.O.C.
		Online	893.40	F.O.C.
INFORMATION LETTERS & SERVICE BULLETINS	**	P	2884.94	F.O.C.
	Aug 2017	CD	1753.32	F.O.C.
	**	Online	1753.32	F.O.C.
AIRCRAFT FLIGHT MANUAL	REFLECTS BLD STD	P	3230.21	F.O.C.
SPECIMEN FLIGHT MANUAL	REFLECTS BLD STD	P	3230.21	F.O.C.
FITS & TOLERANCE MANUAL	1	P	124.49	F.O.C.

MANDATORY SERVICE BULLETINS, PAPER FORMAT ARE INCLUDED IN INFORMATION LETTERS & SERVICE BULLETINS. AND CANNOT BE PURCHASED SEPARATELY

REFLECTS BLD STD: BOOKS ARE DEFINITIVE TO A SPECIFIC AIRCRAFT

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## CF34-3A1 & 3B1 NACELLE PUBLICATIONS

PUBLICATIONS TITLE	REVISION STATUS	FORMAT	US \$ PRICE	ANNUAL SUBSCRIPTION FEE FOR REVISION US \$
COMPONENT MAINTENANCE MANUALS Standard Practices Anti-Ice Relief Valve Core Cowl Doors Nose Cowl Side Panel Fixed Core Cowl and Service Pylon Access Cowls Nose Inlet Cowl Exhaust Nozzle and Fairing Thrust Reverser	Jun 15/18	P	21952.04	4390.41
	<u>NOTE</u> : 2 Revisions per Year			
		CD	6030.43	1206.09
		Online	6030.43	1206.09
COMPONENT MAINTENANCE MANUALS <b>(Additional CD Copy)</b>	Jun 15/18	CD		185.22
QEC CATALOGUE	December 2015	P	165.38	NA
		Online	82.69	NA

## RR RB211 INLET COWL PUBLICATIONS

PUBLICATIONS TITLE	REVISION STATUS	FORMAT	US \$ PRICE	SUBSCRIPTION FEE FOR REVISION US \$
RB211-E4-535 INLET COWL COMPONENT MAINTENANCE MANUAL (71-11-30)	1	CD	6381.41	2000.00
		Online	6381.41	2000.00
RB211-E4B-535 INLET COWL COMPONENT MAINTENANCE MANUAL (71-11-50)	1	CD	6381.41	2000.00
		Online	6381.41	2000.00
RB211-E4X-535 STC INLET COWL COMPONENT MAINTENANCE MANUAL (71-11-40)	1	CD	6381.41	2000.00
		Online	6381.41	2000.00

**RR TRENT 700 NOSE COWL PUBLICATIONS**

<b>PUBLICATIONS TITLE</b>	<b>REVISION STATUS</b>	<b>FORMAT</b>	<b>US \$ PRICE</b>	<b>SUBSCRIPTION FEE FOR REVISION US \$</b>
TRENT 700 NOSE COWL COMPONENT MAINTENANCE MANUAL (71-60-00)	6	CD	6381.41	2000.00
		Online	6381.41	2000.00

**V2500 RTI FAN COWL DOORS (STC) PUBLICATIONS**

<b>PUBLICATIONS TITLE</b>	<b>REVISION STATUS</b>	<b>FORMAT</b>	<b>US \$ PRICE</b>	<b>SUBSCRIPTION FEE FOR REVISION US \$</b>
COMPONENT MAINTENANCE MANUAL (71-13-03)	0	CD	10050.72	2010.14
		Online	10050.72	2010.14
INSTRUCTIONS FOR CONTINUED AIRWORTHINESS (71-13-03ICA)	0	CD	670.05	134.01
		Online	670.05	134.01

## TECHNICAL/AIRCRAFT TRAINING

Our dedicated Training School provides initial training or refresher courses for pilots and engineers on the following Bombardier Aerostructures and Engineering Services, Belfast (Short Brothers PLC) aircraft types and components:

- Short Skyvan SC7
- Shorts SD330
- Shorts SD360
- CRJ200 Nacelle and QEC
- CRJ700/900/1000 Nacelle and QEC
- 

Courses can be delivered either on site at your facility or at our fully equipped training location in Belfast, Northern Ireland.

### **Pilot Training**

Pilot Ground School for the SD3 and SC7 Aircraft

### **Engineer Courses**

Full factory maintenance course for the SD3 and SC7 aircraft

### **Refresher Training**

Refresher training for pilots and engineers. The duration of this course is normally two days for pilots and three days for engineers. Promoting shared learning, it allows students to discuss aircraft operations whilst learning about other operator experiences.

**Charging Rate:** \$1,158 / per day + Travel & Accommodation

### **Customised Training**

Customised training courses for other components, including other OEM components can be developed and presented.

**Charging Rate:** Costs to be agreed in advance

## ENGINEERING CHANGES/QUERIES (TYPE CERTIFICATE HOLDER)

If you require technical/engineering support for Aircraft or Components from Bombardier Aerospace and Engineering Services, Belfast (Short Brothers PLC) as the Type Certificate Holder, the standard charges for requests are as follows:

### **General Technical Queries**

General queries and requests for technical assistance. Refer to Repair Engineering Section for Repair Requests.

**Charging Rate:** \$200 / hour + additional costs incurred  
(agreed in advance, minimum charge 1 hr).

### **Request to Delay Maintenance or Mid Life Audit**

(Applicable to SC7 and SD3 Aircraft)  
Issuance of 'No Hazard' or 'No Structural Impact' Statements in support of Operator requests to Local Regulatory Authority

**Charging Rate:** \$1,873 + additional costs incurred  
(agreed in advance)

### **Request to Extend TBO for Vendor Equipment**

(Applicable to SC7 and SD3 Aircraft Vendor Equipment)  
Issuance of 'No Hazard' or 'No Structural Impact' Statements in support of Operator requests to Vendors

**Charging Rate:** \$1,873 + additional costs incurred  
(agreed in advance)

## **Requests to support Aircraft Changing Regulatory Authorities**

(Applicable to SC7 and SD3 Aircraft)

Creation of Modification and Revision to Service Bulletin

Effectivity based on change of Regulatory Authority aircraft is to be operated within.

**Charging Rate:** \$2,315 + additional costs incurred  
(agreed in advance).

Price does not include the purchase or revision of Flight Manual, refer to Flight Manual Costs.

## **Requests to support Aircraft Life Extension based upon revised operational role.**

(Applicable to SC7 and SD3 Aircraft)

**Charging Rate:** \$926 + additional costs incurred  
(agreed in advance).

## REPAIR ENGINEERING (TYPE CERTIFICATE HOLDER)

If you require repair engineering support for Aircraft or Components from Bombardier Aerospace and Engineering Services, Belfast (Short Brothers PLC) as the Type Certificate Holder, the standard charges for requests are as follows:

Repair Engineering Documents (RED) are issued for in-service components, subject to the guidelines and limitations below:

- REDs do not affect MMEL items.
- A complete damage report must be submitted.
- REDs will not be provided for modifications.
- REDs are approved under the authority of DOA Number EASA.21J.068

### **Charging Policy**

The following charging policy will apply. Any exceptions to the charging policy will be defined later herein.

The charging policy includes different service levels with different guaranteed turn times for each service level. The charging rates which apply will be a function of the requested service level, i.e. requested priority level and/or due date.

It should be noted that not all services are available at all priority levels.

It should also be noted that there is a strict definition associated with the different priority levels. Request for the priority level (as defined herein) higher than the actual status of the component may not be approved with respect to guaranteed turn times and charging rates.

For charging purposes 2 priorities are defined. These are:

**AOG**

**Charging Rate:** \$3,000 flat rate + \$200 / hr (for any hours required above 12 man-hours)

**Turn Time:** 6 hours

**ROUTINE**

**Charging Rate:** \$200 / hour

**Turn Time:** 12 working days.

Whenever possible the request date should be based on operational requirements, for example on the expected termination date of a temporary alleviation or when a spare part is schedule to be required for a maintenance input.

## ENGINEERING DRAWINGS & DOCUMENTS (TYPE CERTIFICATE HOLDER)

A limited number of engineering drawings or documents can be made available for the following Bombardier Aerostructures and Engineering Services, Belfast (Short Brothers PLC) aircraft types:

- Short Skyvan SC7
- Shorts SD330
- Shorts SD360

You are required to submit a request for Price and Offerability (P&O). Upon receipt of your request, Customer Services will determine the availability and price of the desired drawings or documents and respond back with a P&O offer, typically within 1 week. Bombardier may decide not to make available certain engineering drawings or documents.

Drawings are provided as either Hard Copy or electronically, in Adobe PDF format, and are priced at \$1,795 for the first sheet and \$115 for each subsequent sheet of the same drawing.