

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

**Technical Support Price Catalogue
January 2019**

CONTENTS

Introduction	Page 2
Customer Accounts & Credit Facilities	Page 4
Technical Publications	Page 5
Order Placement	Page 6
SD360 Aircraft Publications	Page 7
SD330 Aircraft Publications	Page 8
SC7 Skyvan Aircraft Publications	Page 9
CF34-3A1 & 3B1 Nacelle Publications	Page 10
RR RB211 Inlet Cowl Publications	Page 10
RR Trent 700 Nose Cowl Publications	Page 11
V2500 RTI Fan Cowl Doors (STC) Publications	Page 11
Technical/Aircraft Training	Page 12
Engineering Changes/Queries (Type Certificate Holder)	Page 13
Repair Engineering (Type Certificate Holder)	Page 15
Engineering Drawings and Documents (Type Certificate Holder)	Page 17

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 2019, and will remain firm until 31 December 2019.

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

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

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

Website: 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

Website: 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	4308.49	861.70
		CD	2584.75	516.95
		Online	2584.75	516.95
MAINTENANCE PROGRAMME (Incs Supplemental Data Rev 5)	15	P	4308.49	861.70
		CD	2584.75	516.95
		Online	2584.75	516.95
STRUCTURAL REPAIR MANUAL	13	P	1509.37	301.87
		CD	902.83	180.57
		Online	902.83	180.57
ILLUSTRATED PARTS CATALOGUE	2 nd Edition Rev 1	P	4437.47	887.49
		CD	2663.18	532.64
		Online	2663.18	532.64
INFORMATION LETTERS & SERVICE BULLETINS (incs Mandatory Service Bulletins)	** Sep 2017	P	3531.15	706.23
		CD	1791.79	358..36
		Online	1791.78	358.36
ILLUSTRATED TOOL & EQUIPMENT MANUAL	SEPT 01/82	P	575.16	FOC
		CD	345.10	FOC
		Online	345.10	FOC
EWIS ICA SOURCE DOCUMENT (SD360 ONLY)	ORIG	CD	1551.33	FOC
		Online	1551.33	FOC
CREW MANUAL (65/67 ENGINES)	9/16	P	789.54	157.91
		CD	398.91	79.78
		Online	398.91	79.78
O & M PROCEDURES INC MMEL (CAA)	5	P	174.30	FOC
		CD	174.30	FOC
		Online	174.30	FOC
WIRING DIAGRAM MANUAL	3	P	3712.41	TBA
		CD	2187.31	TBA
WEIGHT & BALANCE MANUAL	ORIG	P	948.15	FOC
AIRCRAFT RECOVERY MANUAL	ORIG	P	432.24	FOC
AIRCRAFT FLIGHT MANUAL	REFLECTS BLD STD	P	3391.72	678.34
SPECIMEN FLIGHT MANUAL	REFLECTS BLD STD	P	3391.72	678.34

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	4308.49	861.70
		CD	2584.75	516.95
		Online	2584.75	516.95
MAINTENANCE PROGRAMME	25	P	4308.49	861.70
		CD	2584.75	516.95
		Online	2584.75	516.95
STRUCTURAL REPAIR MANUAL	10	P	1509.37	301.87
		CD	902.83	180.57
		Online	902.83	180.57
ILLUSTRATED PARTS CATALOGUE	2 nd Edition Rev 1	P	4437.47	887.49
		CD	2663.18	532.64
		Online	2663.18	532.64
INFORMATION LETTERS & SERVICE BULLETINS (incs Mandatory Service Bulletins)	** Feb 2016	P	3531.15	706.23
		CD	1791.79	358.36
		Online	1791.78	358.36
ILLUSTRATED TOOL & EQUIPMENT MANUAL	5	P	575.16	FOC
		CD	345.10	FOC
		Online	345.10	FOC
CREW MANUAL	45	P	789.54	157.91
		CD	398.91	79.78
		Online	398.91	79.78
O & M PROCEDURES INC MMEL (CAA)	5	P	174.30	FOC
		CD	174.30	FOC
		Online	174.30	FOC
WIRING DIAGRAM MANUAL	23	P	3712.41	TBA
		CD	2187.31	TBA
WEIGHT & BALANCE MANUAL	REFLECTS BLD STD	P	948.15	FOC
AIRCRAFT RECOVERY MANUAL	ORIG	P	432.24	FOC
AIRCRAFT FLIGHT MANUAL	REFLECTS BLD STD	P	3391.72	678.34
SPECIMEN FLIGHT MANUAL	REFLECTS BLD STD	P	3391.72	678.34

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

SC7 SKYVAN AIRCRAFT PUBLICATIONS

PUBLICATIONS TITLE	REVISION STATUS	FORMAT	US \$ PRICE	ANNUAL SUBSCRIPTION FEE FOR REVISION US \$
MAINTENANCE MANUAL	27	P	3029.19	F.O.C.
		CD	1514.31	F.O.C.
		Online	1514.31	F.O.C.
MAINTENANCE PROGRAMME	27	P	3029.19	F.O.C.
		CD	1514.31	F.O.C.
		Online	1514.31	F.O.C.
PILOTS NOTES	30	P	562.96	F.O.C.
		CD	402.03	F.O.C.
		Online	402.03	F.O.C.
ILLUSTRATED PARTS CATALOGUE	16	P	2018.30	F.O.C.
		CD	1608.11	F.O.C.
		Online	1608.11	F.O.C.
REPAIR MANUAL	7	P	1514.60	F.O.C.
		CD	938.07	F.O.C.
		Online	938.07	F.O.C.
INFORMATION LETTERS & SERVICE BULLETINS	**	P	3029.19	F.O.C.
	Aug 2017	CD	1840.98	F.O.C.
	**	Online	1840.98	F.O.C.
AIRCRAFT FLIGHT MANUAL	REFLECTS BLD STD	P	3391.72	F.O.C.
SPECIMEN FLIGHT MANUAL	REFLECTS BLD STD	P	3391.72	F.O.C.
FITS & TOLERANCE MANUAL	1	P	130.72	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

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

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 15/19	P	23049.65	4609.93
	<u>NOTE</u> : 2 Revisions per Year			
		CD	6331.95	1266.39
		Online	6331.95	1266.39
COMPONENT MAINTENANCE MANUALS (Additional CD Copy)	Jun 15/19	CD		194.48
QEC CATALOGUE	December 2015	P	173.64	NA
		Online	86.82	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	6700.48	2250.00
		Online	6700.48	2250.00
RB211-E4B-535 INLET COWL COMPONENT MAINTENANCE MANUAL (71-11-50)	1	CD	6700.48	2250.00
		Online	6700.48	2250.00
RB211-E4X-535 STC INLET COWL COMPONENT MAINTENANCE MANUAL (71-11-40)	1	CD	6700.48	2250.00
		Online	6700.48	2250.00

RR TRENT 700 NOSE COWL PUBLICATIONS

PUBLICATIONS TITLE	REVISION STATUS	FORMAT	US \$ PRICE	SUBSCRIPTION FEE FOR REVISION US \$
TRENT 700 NOSE COWL COMPONENT MAINTENANCE MANUAL (71-60-00)	6	CD	6700.48	2250.00
		Online	6700.48	2250.00

V2500 RTI FAN COWL DOORS (STC) PUBLICATIONS

PUBLICATIONS TITLE	REVISION STATUS	FORMAT	US \$ PRICE	SUBSCRIPTION FEE FOR REVISION US \$
COMPONENT MAINTENANCE MANUAL (71-13-03)	0	CD	10553.25	2110.65
		Online	10553.25	2110.65
INSTRUCTIONS FOR CONTINUED AIRWORTHINESS (71-13-03ICA)	0	CD	703.55	147.75
		Online	703.55	147.75

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: \$1,216 / 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: \$210 / 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: \$1,967 + 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: \$1,967 + 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: \$2,431 + 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: \$972 + 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: \$3,150 flat rate + \$210 / hr (for any hours required above 12 man-hours)

Turn Time: 6 hours

ROUTINE

Charging Rate: \$210 / 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 \$1,885 for the first sheet and \$120 for each subsequent sheet of the same drawing.