



3, HAWTIN PARK,
BLACKWOOD, GWENT,
SOUTH WALES, UK.
NP12 2EU

CAPABILITY MANUAL

EASA Part 145 Approval No. UK.145.00530
14 CFR Part 145 Approval No. N1EY636N

CONTROLLED COPY

1

(Quality Office/ NEL Server)

NEL/CAP/LISTING 1

Issue 35, Dated 15-Oct-18

FOREWORD

This manual has been developed in conjunction with and supplementary to the NORDAM Europe Ltd. (NEL) Maintenance Organisation Exposition (MOE), ref. NEL/EXP/2.

It is the sole definitive document for detailing the capabilities of NEL and should be read in conjunction with the scope as defined in Section 1.8 of the MOE.

The Quality Manager is responsible for the control of the manual and ensuring that no work is contracted for maintenance at NEL until qualified in accordance with NEL Quality Procedure NPAL-10, Extension of Company Capabilities.

It is understood that no maintenance will be carried out and released in contravention of EASA Part 145.A.70, 145.A.75, 145.A.80.

This manual represents EASA Part 145 maintenance capability only. Reference to EASA Part 21 J Design Activity Limitations are for reference purposes only for NORDAM Europe Ltd.

REVISION RECORD

| Issue No. | Revision Date | |
|------------------|----------------------|-------------------|
| 01 [†] | 02-Nov-99 | Complete Re-issue |
| 02 | 15-Jan-00 | |
| 03 | 28-Mar-00 | |
| 04 | 02-Jan-01 | |
| 05 | 11-Apr-01 | |
| 06 [†] | 20-Sep-01 | Complete Re-issue |
| 07 | 11-Feb-02 | |
| 08 | 01-Jul-02 | |
| 09 | 27-Aug-02 | |
| 10 | 17-Dec-02 | |
| 11 | 28-Feb-03 | Complete Re-issue |
| 12 [†] | 02-Sep-03 | |
| 13 [†] | 22-Oct-03 | |
| 14 | 22-Jan-04 | Complete Re-issue |
| 15 [†] | 08-Oct-04 | |
| 16 | 22-Feb-05 | |
| 17 [†] | 07-Sep-06 | Complete Re-issue |
| 18 [†] | 20 Sep 07 | |
| 19 | 04 Feb 08 | |
| 20 | 18 Feb 08 | |
| 21 | 08 Apr 09 | Complete Re-issue |
| 22 | 04 Jun 09 | |
| 23 [†] | 09 Aug 10 | |
| 24 | 20 Oct 10 | |
| 25 | 08 Feb 11 | |
| 26 | 16 Nov 11 | |
| 27 | 12 Oct 12 | |
| 28 | 19-Mar-13 | |

| Issue No. | Revision Date | |
|-----------|---------------|---------|
| 29 | 06-Aug-13 | |
| 30 | 13-Oct-14 | |
| 31 | 07-Jul-15 | |
| 32 | 14-Oct-16 | |
| 33 | 25-Oct-17 | |
| 34 | 18-May-18 | |
| 35 | 15-Oct-18 | Current |

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MAINTENANCE, DESIGN CAPABILITIES

Power-plant / Nacelle and Airframe as listed specify the extent of NEL Capabilities.

POWERPLANT/NACELLE CAPABILITY - C7 RATING (ENGINE – APU).

| | <i>page(s)</i> | <i>Issue, Date</i> |
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| RB211-524G/H | 16/17 | 32,14-Oct-16 |
| RB211-535C37 | 17 | 31, 07 Jul 15 |
| RB211-535E4 | 18 | 35, 15-Oct-18 |
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| RB211-TRENT800 | 19 | 26,16-Nov-11 |
| Bombardier Aircraft Series Engines | | |
| Learjet 40/45 TFE731-20 | 19 | 26, 16-Nov-11 |

| | | |
|---|----|---------------|
| Embraer Aircraft (On wing Nacelles Inspection) | | |
| ERJ-170/175 Aircraft fitted with CF34-8 Engines | 20 | 30, 13-Oct-14 |
| Boeing Aircraft (On Wing Nacelles Inspection) | | |
| Boeing 777 Aircraft fitted with GE90 Engines | 20 | 30, 13-Oct-14 |

AIRFRAME CAPABILITY

| C20 Rating (Structures) | page(s) | Issue, Date |
|--------------------------------|----------------|--------------------|
| Boeing B747 Series components | 21 | 29, 06 Aug 13 |
| Boeing B767 Series components | 21 | 31, 07-Jul-15 |
| Boeing B777 Series components | 21 | 32, 14-Oct-16 |

SUMMARY OF CHANGES/AMENDMENTS

The following summarises the most recent amendments to the NEL Capability Manual:

| Pages | Title | Component / Unit Description | Amendment Description |
|--------------|-----------------------------------|---|---|
| 8 | CF6-80E1 Engine Series | Thrust Reverser Hold Open Rod Outer Strut Assy | Addition to existing higher-level capability. Part to be sent to external subcontractor for special process hard anodizing prior to EASA certification by NORDAM. |
| 14 | V2500 Engine Series | Fan Cowl Door – Monolithic Design | Addition to existing capability to include Monolithic design variant built by Bombardier Aerostructures |
| 20 | RB211-535E4-B-37/25 Engine Series | Gas Generator Fairing Panel support | Addition to existing RB211-535 Engine panels capability |
| 12 | CFM56-5B Engine Series | Thrust Reverser Sidewall (Upper Bifurcation Panels) | Subcomponent to existing thrust reverser capability |
| 12 | CFM56-5B Engine Series | Inlet Cowl Anti Icing Duct Pipe | Subcomponent to existing Inlet Cowl capability |
| 9 | GE90 110/115 Series Engines | Inlet Cowl Assy | New Product Addition to capability manual for on wing inspections |
| 9 | GE90 110/115 Series Engines | Thrust Reverser | New Product Addition to capability manual |
| 9 | GE90 110/115 Series Engines | Fan Cowl Door | New Product Addition to capability manual |
| 8 | GE90 Series Engines | Fan Cowl Door | New Product Addition to capability manual |
| 14 | PW2000 Series engines | Engine Core Cowl Assy | New Product Addition to capability manual |

Part 145 ORGANISATIONS APPROVAL CLASS AND RATING SYSTEM†

| Class | Rating | ATA Chapters |
|---|-------------------------------|---|
| Components other than Complete Engines or APUs † Reference to EASA AMC 145.A.20 Terms of Approval. ‡ Ratings currently held by NEL. | C1, Air Cond and Press | 21 |
| | C2, Auto Flight | 22 |
| | C3, Comms and Nav | 23 & 34 |
| | C4, Doors/Hatches | 52 |
| | C5, Electrical Power | 24 & 33 |
| | C6, Equipment | 25, 38 & 45 |
| | C7, Engine - APU ‡ | 49, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82 & 83 |
| | C8, Flight Controls | 27, 51.05, 55, 57.40, 57.50, 57.60 & 57.70 |
| | C9, Fuel - Airframe | 28 |
| | C10, Helicopters - Rotors | 62, 64, 66 & 67 |
| | C11, Helicopters - Trans | 63 & 65 |
| | C12, Hydraulic | 29 |
| | C13, Instruments | 31 |
| | C14, Landing Gear | 32 |
| | C15, Oxygen | 35 |
| | C16, Propellers | 61 |
| | C17, Pneumatic | 36 & 37 |
| | C18, Protection Ice/Rain/Fire | 26 & 30 |
| | C19, Windows | 56 |
| | C20, Structural ‡ | 53, 54, 57.10, 57.20 & 57.30, 57.41 |

DISTRIBUTION LIST

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POWERPLANT/NACELLE CAPABILITY – PART 145 C7 RATING, ENGINE – APU,

**General Electric /MRAS
CF6-50 Series**

| No. | ATA Ref. | Component/Unit Description | Typ. Part Number | *EASA145 & 14CFR145 Maintenance Activity Limitations | | | | *EASA21 Design Activity Limitations |
|-----|----------------------|----------------------------|---|--|---|---|---|-------------------------------------|
| | | | | A | B | C | D | |
| 01 | 71-11-05 | Inlet Cowl Assembly | NSL6051-501 | ✓ | ✓ | ✓ | ✓ | ✓ |
| 02 | 78-32-00 | Fan Reverser | 9105M20GXX,9108M20GXX, 536L426GXX 536L415GXX,536L412GXX | ✓ | ✓ | ✓ | ✓ | ✓ |
| 03 | 78-10-01 | Translating Sleeve | 9007M60GXX,9235M49GXX,9151M15XXX 9152M30XXX | ✓ | ✓ | ✓ | ✓ | ✓ |
| 04 | 78-30-00 | Supporting Assembly | 9152M70 | ✓ | ✓ | ✓ | ✓ | ✓ |
| 05 | 72-22-00 | Liner Segments | 9048M72/63/ 64GXX | ✓ | ✓ | ✓ | ✓ | ✓ |
| 06 | 71-13-02 | Fan Cowl (LH) - Wing Pos. | NSL6012-507 | ✓ | ✓ | ✓ | ✓ | ✓ |
| 07 | 71-13-03 | Fan Cowl (RH) - Wing Pos. | NSL6013-505 | ✓ | ✓ | ✓ | ✓ | ✓ |
| 08 | 71-13-02 | Fan Cowl (LH) - Tail Pos. | NTL6012-507 | ✓ | ✓ | ✓ | ✓ | ✓ |
| 09 | 71-13-03 | Fan Cowl (RH) - Tail Pos. | NTL6013-511 | ✓ | ✓ | ✓ | ✓ | ✓ |
| 10 | 71-13-11 | Core Cowl Doors | NSL6316/17-519 | ✓ | ✓ | ✓ | ✓ | ✓ |
| 11 | 78-11-00 | Exhaust Nozzle | 9105M90Gxx | ✓ | ✓ | ✓ | ✓ | ✓ |
| 12 | 78-31-06 | T/R Feedback Bracket | 9069M77G09 9154M67Gxx | ✓ | ✓ | ✓ | ✓ | ✓ |
| 13 | 78-32-01 78-32-14 | Hold Open Rod | 491B200065-029 8015M12Gxx | ✓ | ✓ | ✓ | ✓ | ✓ |
| 14 | 78-32-06 | Blocker Door Link Box | 9059M19Gxx D10-78-004-01 | ✓ | ✓ | ✓ | ✓ | ✓ |
| 15 | 78-32-01 | Blocker Door Assy | 9058M90Gxx | ✓ | ✓ | ✓ | ✓ | ✓ |
| 16 | 78-32-03 | Deflector Vane | 9035M40Pxx | ✓ | ✓ | ✓ | ✓ | ✓ |

| A | B | C | D | E |
|----------|----------------------|--------------|--------|---------------|
| Overhaul | Inspection / Testing | Modification | Repair | Repair Design |

**POWERPLANT/NACELLE CAPABILITY – PART 145 C7 RATING, ENGINE – APU,
General Electric / MRAS**

CF6-80 Series covers -80A1, -80A3, -80C2, -80E1

| No. | ATA Ref. | Component/Unit Description | Typ. Part Number | *EASA145 & 14CFR145 Maintenance Activity Limitations | | | | *EASA21 Design Activity Limitations |
|-----|----------------------------------|---|---|--|---|---|---|-------------------------------------|
| | | | | A | B | C | D | |
| 01 | 71-00-15 | Inlet Cowl (CF6-80C2) | 224-2101-523 224-1101-xxx | ✓ | ✓ | ✓ | ✓ | ✓ |
| 02 | 71-11-09 | Inlet Cowl (CF6-80E1) | 277-1100-xxx | ✓ | ✓ | ✓ | ✓ | ✓ |
| 03 | 71-00-15 | Inlet Cowl Acoustic Panel | 224-2123-xxx (80C2) | ✓ | ✓ | ✓ | ✓ | ✓ |
| 04 | 71-11-04 | Fan Cowl Door Assy (CF6-80A1) | 314T1329-2 | ✓ | ✓ | ✓ | ✓ | ✓ |
| 05 | 71-13-22 | Fan Cowl Door Assy (CF6-80C2) | 224-2202-xxx 224-2281-xxx | | ✓ | ✓ | ✓ | ✓ |
| 06 | 71-13-05 71-13-06 | Fan Cowl L/H/R/H (CF6-80E1) | 277-1201-xxx 277-1202-xxx | ✓ | ✓ | ✓ | ✓ | ✓ |
| 07 | 71-13-23 | RH Eng. Aft Cowl Door (80C2/E1) | 224-2302-xxx | ✓ | ✓ | ✓ | ✓ | ✓ |
| 08 | 71-13-25 | LH Eng. Aft Cowl Door (80C2/E1) | 224-2301-xxx | ✓ | ✓ | ✓ | ✓ | ✓ |
| 09 | 78-32-31 | Fan Reverser (CF6-80A1) | 9248M80Gxx | ✓ | ✓ | ✓ | ✓ | ✓ |
| 10 | 78-32-00 | Fan Reverser (CF6-80C2) | 683L136Gxx 491B1200201-xxx 491B1100000-xxx 681L269Gxx 491C1100000-xxx 681L270G08 683L137Gxx 681L271Gxx 681L272Gxx 683L295Gxx 683L296Gxx 683L297Gxx 683L298Gxx | ✓ | ✓ | ✓ | ✓ | ✓ |
| 11 | 78-32-00 | Fan Reverser (CF6-80E1) | 683L269Gxx 683L247Gxx 683L248Gxx 683L270Gxx 683L249Gxx 683L250Gxx | ✓ | ✓ | ✓ | ✓ | ✓ |
| 12 | 71-50-08 | T/R Wire Harness (CF6-80E1) | 277W2762-503 277W2763-503 | | ✓ | | ✓ | ✓ |
| 13 | 78-32-00 78-32-21 | Pre-Cooler Assy Air Duct (80C2/E1) | 491C/E1343003-xxx 491B1343002-xxx 3114M99GXX | ✓ | ✓ | ✓ | ✓ | ✓ |
| 14 | 78-32-31 78-32-32 78-32-01 | Translating Sleeve (CF6-80 A1,C2, E1) | 491B1613000-xxx 9235M80Gxx 7065M93Gxx D52B1000-xx KD683L271Gxx | ✓ | ✓ | ✓ | ✓ | ✓ |
| 15 | 78-11-00 | Aft Centre Body (80E1) Exhaust Nozzle (80E1) (Subcontract to NRD) | 1806M83G01 1806M85G01 | | ✓ | | ✓ | ✓ |

| A | B | C | D | E |
|----------|----------------------|--------------|--------|---------------|
| Overhaul | Inspection / Testing | Modification | Repair | Repair Design |

**POWERPLANT/NACELLE CAPABILITY – PART 145 C7 RATING, ENGINE – APU,
General Electric / MRAS**

CF6-80 Series covers -80A1, -80A3, -80C2, -80E1 (Cont.)

| No | ATA Ref. | Component/ Unit Description | Typ. Part Number | *EASA 145 & 14CFR 145 Maintenance Activity Limitations | | | | | * EASA 21 Design Activity Limitations |
|----|----------------------|--------------------------------------|---|--|---|---|---|---|---------------------------------------|
| | | | | A | B | C | D | E | |
| 15 | 78-32-00 | T/R Latch Assy (80C2) | 491B1213077-009 | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 16 | 78-32-00 | Blocker Door (80A1/C2/E1) | 1291M28Gxx 9333M43Gxx 9189M52Gxx | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 17 | 78-11-14 78-11-15 | Exhaust Plug/Nozzle (80C2) | 314U2100-xx, 015U1547-xx 314U2200-xx | | ✓ | ✓ | ✓ | ✓ | |
| 18 | 78-32-22 | Upper Sidewall Panel (80C2) | 491C1362000-020 | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 19 | 78-32-31 | Blocker Door Hinges LH/RH (80E1) | D52B2500-5/D52B2500-6 | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 20 | 71-11-09 | Inlet Cowl Pressure Relief Door (E1) | 277-1132-501 | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 21 | 78-32-11 | T/Rev Electrical Cable | 7116M21G05 | | ✓ | | | | |
| 22 | 78-32-22 | T/Rev Access Door | 491B1220002-029 | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 23 | 78-32-22 | T/R Latch Beam Assy | 491B1351001-030 | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 24 | 78-32-21 | Link Arm Assy (B/Door) | 1378M17G01 | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 25 | 71-11-09 | Inner Barrel Acoustic Panel (E1) | 277-1121-xxx | | ✓ | ✓ | ✓ | ✓ | |
| 26 | 72-22-00 | Fan Case Liner Segment (E1) | 1521M30Gxx, 1521M40Gxx | | ✓ | ✓ | ✓ | ✓ | |
| 27 | 71-11-16 | Inlet Cowl Anti Ice Panel | 224-2160-501 | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 28 | 78-32-02 | Hold Open Rod Outer Strut (E1) | 491B1200066-009 | | ✓ | | ✓ | ✓ | |

General Electric

GENx Series engines (Boeing 747-8)

| No | ATA Ref. | Component/ Unit Description | Typ. Part Number | *EASA 145 & 14CFR 145 Maintenance Activity Limitations | | | | | * EASA 21 Design Activity Limitations |
|----|---------------------|-----------------------------|------------------|--|---|---|---|---|---------------------------------------|
| | | | | A | B | C | D | E | |
| 1 | Boeing CMM 71-11-80 | Fan Cowl Door | 314U8201-xx | | ✓ | ✓ | ✓ | ✓ | |

| A | B | C | D | E |
|----------|----------------------|--------------|--------|---------------|
| Overhaul | Inspection / Testing | Modification | Repair | Repair Design |

**POWERPLANT/NACELLE CAPABILITY – PART 145 C7 RATING, ENGINE – APU,
General Electric
GE90-77/90/110 Series (Boeing 777)**

| No. | ATA Ref. | Component/Unit Description | Typ. Part Number | *EASA145 & 14CFR145 Maintenance Activity Limitations | | | | | *EASA21 Design Activity Limitations |
|-----|---------------------------------|------------------------------|-----------------------------------|--|---|---|---|---|-------------------------------------|
| | | | | A | B | C | D | E | |
| 01 | 72-24-04 | Forward Outer Acoustic Liner | 1651M80G05 | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 02 | 72-24-00 | Aft Outer Acoustic Panel | 1651M90G01 | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 03 | 72-24-00 | Fan Case | 1844M95G03 | | ✓ | | ✓ | ✓ | |
| 04 | 72-24-02 | Aft Fan case | 1841M38G01, G02, G03, G04 & G05 | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 05 | 72-24-00 | Fwd Fan Case | 1841M70G03,G04, 2003M58G21 | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 06 | 72-00-00-12 | Acoustic Panel | 2004M20G01 & G02 | | ✓ | ✓ | ✓ | ✓ | |
| 07 | 72-56-00 | Engine LPT Case | 1893M10G01 | | ✓ | | ✓ | ✓ | |
| 08 | Boeing CMM 71-11-03 71-11-23 | Inlet Cowl | 314W1100-xxxx 314W1080-xxx | | ✓ | | ✓ | ✓ | |
| 09 | Boeing CMM 78-31-80 78-31-84 | Thrust Reverser | 315W1001-xxxxxx 315W1295-xxxxx | | ✓ | | ✓ | ✓ | |
| 10 | Boeing CMM 78-31-80 78-31-84 | Translating Sleeve | 315W1500-1 315W1580-13 | | ✓ | | ✓ | ✓ | |
| 11 | Boeing CMM 71-11-36 71-11-24 | Fan Cowl Door L/R | 314W1200-xxx 314W1085-xxx | | ✓ | | ✓ | ✓ | |

**General Electric
GE90-115 Series (Boeing 777)**

| No. | ATA Ref. | Component/Unit Description | Typ. Part Number | *EASA145 & 14CFR145 Maintenance Activity Limitations | | | | | *EASA21 Design Activity Limitations |
|-----|---------------------------------|----------------------------|---|--|---|---|---|---|-------------------------------------|
| | | | | A | B | C | D | E | |
| 01 | GE CMM 72-24-00 | Fan Containment Case | 2082M29Gxx 2082M31Gxx | | ✓ | | ✓ | ✓ | |
| 02 | Boeing CMM 71-11-23 | Inlet Cowl (115B) | 314W1400-xxx | | ✓ | | ✓ | ✓ | |
| 03 | Boeing CMM 78-31-90 | Thrust Reverser (115B) | 315W1055-xx 315W1550-x 315W1638-x 315W1660-x 315W1678-x 315W1810-xx 315W1298-xx | | ✓ | | ✓ | ✓ | |
| 04 | Boeing CMM 78-31-90 | Translating Sleeve (115B) | 315W1580-14 | | ✓ | | ✓ | ✓ | |
| 05 | Boeing CMM 71-11-30 71-11-24 | Fan Cowl Door L/R (115B) | 314W1500-xx 314W1086-xx | | ✓ | | ✓ | ✓ | |

| A | B | C | D | E |
|----------|----------------------|--------------|--------|---------------|
| Overhaul | Inspection / Testing | Modification | Repair | Repair Design |

**POWERPLANT/NACELLE CAPABILITY – PART 145 C7 RATING, ENGINE – APU,
General Electric/Snecma /ROHR
CFM56-3/3A Series**

| No. | ATA Ref. | Component/Unit Description | Typ. Part Number | *EASA145 & 14CFR145 Maintenance Activity Limitations | | | | | *EASA21 Design Activity Limitations |
|-----|----------|-----------------------------------|---|--|---|---|---|--|-------------------------------------|
| | | | | A | B | C | D | | E |
| 01 | 71-13-27 | Inlet Cowl | 314A1010-2 | ✓ | ✓ | ✓ | ✓ | | ✓ |
| 02 | 78-11-13 | Turbine Exhaust Plug | 314A1501-18 | ✓ | ✓ | ✓ | ✓ | | ✓ |
| 03 | 78-11-23 | Exhaust Sleeve | 314A1502-58 | ✓ | ✓ | ✓ | ✓ | | ✓ |
| 04 | 78-31-13 | Thrust Rev/C-Duct | 315A1701-xxx | ✓ | ✓ | ✓ | ✓ | | ✓ |
| 05 | 78-31-13 | Thrust Rev/C-Duct | 315A1001-xxxx | ✓ | ✓ | ✓ | ✓ | | ✓ |
| 06 | 78-31-23 | Translating Sleeve | 315A1500-xx | ✓ | ✓ | ✓ | ✓ | | ✓ |
| 07 | 78-31-23 | Drag Link Assy | 315A1511-1 | ✓ | ✓ | ✓ | ✓ | | ✓ |
| 08 | 78-31-13 | Deflector Vane | 315A1535-x | ✓ | ✓ | ✓ | ✓ | | ✓ |
| 09 | 78-31-13 | Cascade Vane | S315A102-xxx | ✓ | ✓ | ✓ | ✓ | | ✓ |
| 10 | 72-23-02 | Fan Case Liner Repair | 335-019-298-6 | | ✓ | | ✓ | | ✓ |
| 11 | 78-31-13 | T/Rev Locking/Unlocking Actuators | 315A1801-19, 315A1800-4 GVI and functional test on fitment to reverser only – (No testing capability) | | ✓ | | | | |
| 12 | 78-31-13 | T/Rev Synchro Lock | TY1878-22 GVI and functional test on fitment to reverser only – (No testing capability) | | ✓ | | | | |
| 13 | 71-13-26 | Fan Cowl Assy | 314A1110-xxx 301A1054-xx | ✓ | ✓ | ✓ | ✓ | | ✓ |
| 14 | 71-13-26 | Fan Cowl Door Hold Open Rod | A3295-2 | | ✓ | | ✓ | | ✓ |

| A | B | C | D | E |
|----------|----------------------|--------------|--------|---------------|
| Overhaul | Inspection / Testing | Modification | Repair | Repair Design |

**POWERPLANT/NACELLE CAPABILITY – PART 145 C7 RATING, ENGINE – APU,
General Electric/Snecma / ROHR
CFM56-5A Series**

| No. | ATA Ref. | Component/Unit Description | Typ. Part Number | *EASA145 & 14CFR145 Maintenance Activity Limitations | | | | | *EASA21 Design Activity Limitations |
|-----|----------------------|----------------------------|--|--|---|---|---|---|-------------------------------------|
| | | | | A | B | C | D | E | |
| 01 | 71-11-07 | Inlet Cowl - Gen. 01 | 238-0101-501 | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 02 | 71-11-07 | Acoustic Panel - Gen. 01 | 238-0114-505 | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 03 | 71-11-07 | Inlet Cowl - Gen. 02 | 238-2101-501 | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 04 | 71-11-07 | Acoustic Panel - Gen. 02 | 238-2159-xxx | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 05 | 72-23-00 | Fwd Acoustic Panel Assy | 336-030-105-0 | | ✓ | | ✓ | ✓ | |
| 06 | 72-23-00 | Mid Acoustic Panel Assy | 336-030-404-0 | | ✓ | | ✓ | ✓ | |
| 07 | 72-23-00 | Aft Acoustic Panel Assy | 336-023-005-0 | | ✓ | | ✓ | ✓ | |
| 08 | 72-23-02 | Fan Case Liner | 336-0164-256 | | ✓ | | ✓ | ✓ | |
| 09 | 78-11-05 | Turbine Exhaust Plug | 238-0451-509 | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 10 | 78-11-05 | Exhaust Sleeve | 238-0401-501 642-4001-xxx 642-4612-xxx | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 11 | 78-31-13 | Thrust Rev/C-Duct | 238-1105-505 (LH) 238-1106-505 (RH) | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 12 | 71-13-15 71-13-16 | Fan Cowl Door LH/RH | 238-0301-xxx 238-0302-xxx 238M0301-xxx 238M0302-xxx | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 13 | 71-13-15 | FCD Oil Tank Access Door | 238-0319-1 | ✓ | ✓ | ✓ | ✓ | ✓ | |

| A | B | C | D | E |
|----------|----------------------|--------------|--------|---------------|
| Overhaul | Inspection / Testing | Modification | Repair | Repair Design |

**POWERPLANT/NACELLE CAPABILITY – PART 145 C7 RATING, ENGINE – APU,
General Electric/Snecma
CFM56-5B Series**

| No. | ATA Ref. | Component/Unit Description | Typ. Part Number | *EASA145 & 14CFR145 Maintenance Activity Limitations | | | | | *EASA21 Design Activity Limitations |
|-----|----------------------|---|--|--|---|---|---|---|-------------------------------------|
| | | | | A | B | C | D | E | |
| 01 | 71-11-19 | Inlet Cowl | 642-1000-501 | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 02 | 71-11-19 | Acoustic Panel | 642-1025-515 | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 03 | 78-32-36 | Thrust rev/C-Duct | 642-3801-519 (LH) 642-3802-519 (RH) | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 04 | 78-32-36 | Core Cowl | ALL172-xxx-x ALL182-xxx-x | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 05 | 78-31-33 | Extension ring, outer ring segment. | 333A1120-1 & 2 | | ✓ | | ✓ | | |
| 06 | 71-13-00 | Fan Cowl Door L/H / R/H | 642-3001-xxx 642-3001-xxx 642M3001-xxx 642M3002-xxx | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 07 | 72-23-00 | Engine Fan Case | 338-075-622-0 | | ✓ | | ✓ | ✓ | |
| 08 | 78-31-17 78-31-18 | Pivot Door Switch Deploy/Stow | 321-400-604-0 321-400-503-0 | | ✓ | | | | |
| 09 | 78-36-52 | Thrust Reverser Actuator Junction Box | 321-409-900-0 | | ✓ | | | | |
| 10 | 71-13-27 | FCD Oil Access Door | 642-3035-xxx | | ✓ | ✓ | ✓ | ✓ | |
| 11 | 71-50-03 | T/Rev Wiring Harness | 321-404-703-0 ALL404-801-0 321-404-604-0 321-404-801-0 321-404-701-0 | | ✓ | | | | |
| 12 | 78-31-53 | Thrust Reverser Hydraulic Control Unit | TY-2013-10 Visual inspection only | | ✓ | | | | |
| 13 | 78-31-56 | Thrust Reverser Hydraulic Latch Assy | TY2091-01 TY2091-01A C24742000-3 Visual inspection only | | ✓ | | | | |
| 14 | 78-31-41 | Thrust Reverser Pivoting Door Actuator | D2390000-8 321-400-705-0 Visual inspection only. | | ✓ | | | | |
| 15 | 78-32-36 | Thrust Reverser Pivot Door Assy Upper/Lower | 321-310-0xx-0 321-310-0xx-0G 321-360-0xx-0 321-360-0xx-0G G suffix is a reference to a ROHR dwg revision not listed in IPL | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 16 | 78-36-40 78-36-41 | Thrust Reverser Double Toggle Hook Latch Assembly | H3128-1, H3129-1 | | ✓ | | | | |
| 17 | 71-13-28 | Fan Cowl Door Strake | 642-3025-xxx | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 18 | 78-32-36 | Thrust Reverser Sidewall (Upper Bifurcation) Panels LH/RH | 321-149-xxx-x 321-175-xxx-x | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 19 | 71-11-19 | Inlet Cowl Anti Icing Duct Pipe | 642-1004-503 | ✓ | ✓ | ✓ | ✓ | ✓ | |

| A | B | C | D | E |
|----------|----------------------|--------------|--------|---------------|
| Overhaul | Inspection / Testing | Modification | Repair | Repair Design |

**POWERPLANT/NACELLE CAPABILITY – PART 145 C7 RATING, ENGINE – APU,
General Electric/Snecma / ROHR**

CFM56-5C Series

(Customer to supply OEM tech data for Part 145 maintenance activity)

| No | ATA Ref. | Component/Unit Description | Typ. Part Number | *EASA145 & 14CFR145 Maintenance Activity Limitations | | | | *EASA21 Design Activity Limitations |
|----|----------|----------------------------|------------------|--|---|---|---|-------------------------------------|
| | | | | A | B | C | D | E |
| 01 | 78-11-11 | Exhaust Sleeve | 340-4000-517 | | ✓ | | ✓ | ✓ |
| 02 | 71-11-07 | Inlet Cowl | 340-1000-515 | | ✓ | | ✓ | ✓ |
| 03 | 78-30-01 | Thrust Reverser | 340-3000-xxx | | ✓ | | ✓ | ✓ |
| 04 | 71-13-17 | LH Fan Cowl Door | 340-2001-xxx | | ✓ | | ✓ | ✓ |
| 05 | 71-13-18 | RH Fan Cowl Door | 340-2501-xxx | | ✓ | | ✓ | ✓ |

General Electric/Snecma

CFM56-7 Series

| No. | ATA Ref. | Component/Unit Description | Typ. Part Number | *EASA145 & 14CFR145 Maintenance Activity Limitations | | | | *EASA21 Design Activity Limitations |
|-----|--|-----------------------------|---|--|---|---|---|-------------------------------------|
| | | | | A | B | C | D | E |
| 01 | 78-31-24 | Translating Cowl Assy | 315A2561-118 315A2521-xx | ✓ | ✓ | ✓ | ✓ | ✓ |
| 02 | 71-11-22 | Inlet Cowl Assy | 314-2100-x | ✓ | ✓ | ✓ | ✓ | ✓ |
| 04 | 78-11-37 78-11-38 78-11-39 78-11-40 | Exhaust Plug/Sleeve | 314A2610,314A2620 314A2630, 314A2640 - xx | | ✓ | | ✓ | ✓ |
| 05 | 78-30-00 | Blocker Doors | 315A2512-4 | ✓ | ✓ | ✓ | ✓ | ✓ |
| 06 | 78-31-37 78-31-40 | Thrust Reverser Assy | 315A2295-xxx 315A2295-xxxR | ✓ | ✓ | ✓ | ✓ | ✓ |
| 07 | 71-13-30 | Fan Cowl Door | 314-2200-xx | | ✓ | ✓ | ✓ | ✓ |
| 08 | 78-31-37 & Boeing 737-SL-78- 050 | T/R Heat Blanket | S315A213-xx 99A9252M 99A9253M 99A9254M 99A9268M | | ✓ | | ✓ | ✓ |
| 09 | 71-11-22 | Inner Barrel Acoustic Panel | 314-2121/2-1 | ✓ | ✓ | ✓ | ✓ | ✓ |

| A | B | C | D | E |
|----------|----------------------|--------------|--------|---------------|
| Overhaul | Inspection / Testing | Modification | Repair | Repair Design |

**POWERPLANT/NACELLE CAPABILITY – PART 145 C7 RATING, ENGINE – APU,
IAE / ROHR
V2500 Series**

| No. | ATA Ref. | Component/Unit Description | Typ. Part Number | *EASA145 & 14CFR145 Maintenance Activity Limitations | | | | *EASA21 Design Activity Limitations |
|-----|--------------------------|---|--|--|---|---|---|-------------------------------------|
| | | | | A | B | C | D | E |
| 01 | 71-11-00 | Cowling Air Intake Config 1-4 | 740-3000-xxx 740-3001-xxx 745-3000-xxx 745-3400-xxx | ✓ | ✓ | ✓ | ✓ | ✓ |
| 02 | 71-11-00 | Inner Barrel Acoustic Panels | 745-3087-503 745-3088-501 745-3089-501 745-3087-501 | ✓ | ✓ | ✓ | ✓ | ✓ |
| 03 | 71-13-00 | Fan Cowl Door L/H/ R/H | 740-4000-xxx 740-4001-xxx 745-4000-xxx 745-4001-xxx | ✓ | ✓ | ✓ | ✓ | ✓ |
| 04 | 71-13-03 71-13-03-ICA | Fan Cowl Door (Monolithic) (Bombardier) LH/RH | 745B4000-xxx | | ✓ | ✓ | ✓ | ✓ |
| 05 | 78-11-11 | Nozzle | 740-1093-505 | ✓ | ✓ | ✓ | ✓ | ✓ |
| 06 | 78-11-12 | Nozzle Plug | 740-1123-501 | ✓ | ✓ | ✓ | ✓ | ✓ |
| 07 | 78-11-11 | Common Nozzle Assy | 745-1101-xxx 740-1094-xxx | ✓ | ✓ | ✓ | ✓ | ✓ |
| 08 | 78-30-00 | Thrust Reverser (LH & RH) | 740-0001-xxx 740-0002-xxx 745-0002-xxx 740M0007-xxx 745M0007-xxx | ✓ | ✓ | ✓ | ✓ | ✓ |
| 09 | 78-30-00 | Blocker Door | 740-0042-xxx 740-0043-xxx | ✓ | ✓ | ✓ | ✓ | ✓ |
| 10 | 78-30-00 | Translating Sleeve | 745-0006-xxx | ✓ | ✓ | ✓ | ✓ | ✓ |
| 11 | 78-11-12 | Exhaust Tail Cone Assy | 290-1501-501 745-1502-502 | | ✓ | | ✓ | ✓ |
| 12 | 78-30-00 | T/Rev Transcowl Inner Bondment (Config-2) | 745-0026-xxx, 745-0037-xxx | ✓ | ✓ | ✓ | ✓ | ✓ |
| 13 | 71-13-00 | Fan Cowl Door Strake | 745-4112-xxx 745-4106-xxx | ✓ | ✓ | ✓ | ✓ | ✓ |
| 14 | 78-30-00 | T/R Thrust Recovery Door | 740-0536-501 | ✓ | ✓ | ✓ | ✓ | ✓ |

| A | B | C | D | E |
|----------|----------------------|--------------|--------|---------------|
| Overhaul | Inspection / Testing | Modification | Repair | Repair Design |

**POWERPLANT/NACELLE CAPABILITY – PART 145 C7 RATING, ENGINE – APU,
Pratt & Whitney
PW308C Series**

| No. | ATA Ref. | Component/Unit Description | Typ. Part Number | *EASA145 & 14CFR145 Maintenance Activity Limitations | | | | *EASA21 Design Activity Limitations |
|-----|----------|----------------------------|------------------|--|---|---|---|-------------------------------------|
| | | | | A | B | C | D | E |
| 01 | 78-30-10 | Thrust Reverser | 06ND78001 x | | ✓ | ✓ | ✓ | ✓ |
| 02 | 78-31-10 | Thrust Reverser Upper Door | 06ND78007 x | | ✓ | ✓ | ✓ | ✓ |
| 03 | 78-31-10 | Thrust Reverser Lower Door | 06ND78008 X | | ✓ | ✓ | ✓ | ✓ |

**Pratt & Whitney
PW2000 Series**

| No. | ATA Ref. | Component/Unit Description | Typ. Part Number | *EASA145 & 14CFR145 Maintenance Activity Limitations | | | | *EASA21 Design Activity Limitations |
|-----|----------|----------------------------|--------------------------|--|---|---|---|-------------------------------------|
| | | | | A | B | C | D | E |
| 01 | 71-11-70 | Inlet assembly (End Item) | 314N3080-xx | ✓ | ✓ | ✓ | ✓ | ✓ |
| 02 | 71-11-71 | Inlet Cowl Assy | 314N3010-xxx | ✓ | ✓ | ✓ | ✓ | ✓ |
| 03 | 78-31-17 | Thrust Reverser | 315N3295-x | ✓ | ✓ | ✓ | ✓ | ✓ |
| 04 | 71-11-73 | Engine Core cowl Assy | 314N3210-xx | | ✓ | ✓ | ✓ | ✓ |
| 05 | 71-11-77 | Fan Cowl Door | 314N3110-54 | ✓ | ✓ | ✓ | ✓ | ✓ |
| 06 | 78-31-17 | Thrust Reverser Fairing | 315N3552-x 315N3553-x | ✓ | ✓ | ✓ | ✓ | ✓ |

**Pratt & Whitney
PW9000 Series**

| No. | ATA Ref. | Component/Unit Description | Typ. Part Number | *EASA145 & 14CFR145 Maintenance Activity Limitations | | | | *EASA21 Design Activity Limitations |
|-----|----------------------|---|--|--|---|---|---|-------------------------------------|
| | | | | A | B | C | D | E |
| 01 | 49-21-02 NRP 5701 | Air Inlet Duct (Inlet Plenum) (PW901A/PW901C Series) | 3902671-01 3902675-01 3903057-01 3903061-01 3903070-01 3903072-01 3910998-01 3911338-01 3911945-01 3900867-01 3910997-01 3911336-01 3911943-01 3900865-01 | | ✓ | | ✓ | ✓ |
| 02 | 49-22-70 | Air Inlet Duct (Inlet Plenum) (PW980A Series) | 3902465-01 3902527-01 3902697-01 3902837-01 3902464-01 3902526-01 3902526-01 | | ✓ | | ✓ | ✓ |

| A | B | C | D | E |
|----------|----------------------|--------------|--------|---------------|
| Overhaul | Inspection / Testing | Modification | Repair | Repair Design |

POWERPLANT/NACELLE CAPABILITY – PART 145 C7 RATING, ENGINE – APU,

**Pratt & Whitney
PW4000 Series Engines**

| No. | ATA Ref. | Component/Unit Description | Typ. Part Number | *EASA145 & 14CFR145 Maintenance Activity Limitations | | | | *EASA21 Design Activity Limitations |
|-----|----------------------------------|--|------------------------------------|--|---|---|---|-------------------------------------|
| | | | | A | B | C | D | E |
| 01 | 71-13-02 | Nose Cowl | 221-4050-xxx | ✓ | ✓ | ✓ | ✓ | ✓ |
| 02 | 71-61-41 | Nose Cowl | 70N106-xxx | ✓ | ✓ | ✓ | ✓ | ✓ |
| 03 | 71-11-51 | Nose Cowl (PW4056/4060) | 314T4010-xxx | ✓ | ✓ | ✓ | ✓ | ✓ |
| 04 | 71-13-07 71-13-08 | Fan Access Door L/H / RH | 221-5391-xxx 221-0302-xxx | | ✓ | | ✓ | ✓ |
| 05 | 71-13-09 | Forward Fan Cowl Upper Section | 72N120-xxx | | ✓ | | ✓ | ✓ |
| 06 | 71-13-10 | Forward Fan Cowl Left Section | 72N140-xxx | | ✓ | | ✓ | ✓ |
| 07 | 71-13-11 | Forward Fan Cowl Right Section | 72N160-xxx | | ✓ | | ✓ | ✓ |
| 08 | 71-13-12 | Aft Fan Cowl Door LH | 72N620-xxx | | ✓ | | ✓ | ✓ |
| 09 | 71-13-13 | Aft Fan Cowl Door RH | 72N640-xxx | | ✓ | | ✓ | ✓ |
| 10 | 78-31-00 | Thrust Reverser (PW415x) | 221-4125/6-xxx 221M-4125/6-xxx | ✓ | ✓ | ✓ | ✓ | ✓ |
| 11 | 78-32-00 | Thrust Reverser (PW4168) | 70M000-xxx 70M100-xxx | | ✓ | | ✓ | ✓ |
| 12 | 71-13-08 | Fan Cowl Door | 221-0301/2-xxx | ✓ | ✓ | ✓ | ✓ | ✓ |
| 13 | 78-31-00 | Thrust Reverser | 221M5126-xxx | ✓ | ✓ | ✓ | ✓ | ✓ |
| 14 | 78-31-00 | Translating Cowl | 221-0503-xxx | ✓ | ✓ | ✓ | ✓ | ✓ |
| 15 | 78-32-00 | Translating Cowl | 74M000-150 | | ✓ | | ✓ | ✓ |
| 16 | 78-11-06 | Exhaust Nozzle | 314T3310-9 | | ✓ | | ✓ | ✓ |
| 17 | 78-10-04 | Exhaust Nozzle (415x series) | 221-0051-537 | | ✓ | | ✓ | ✓ |
| 18 | 78-10-04 | Nozzle Bulkhead Ring Assy (415x) | 221-0055-513 | | ✓ | | ✓ | ✓ |
| 19 | 78-11-11 | Exhaust Nozzle Assy | 76A008-xx | | ✓ | | ✓ | ✓ |
| 20 | 78-11-11 | Exhaust Nozzle Outer Cowl | 76A020-xx | | ✓ | | ✓ | ✓ |
| 21 | 78-10-03 | Exhaust Plug | 221-4027-xxx | | ✓ | | ✓ | ✓ |
| 22 | 78-31-41 78-31-47 | Thrust Reverser (PW4056/4060) Thrust Reverser and Fan Cowl Duct | 315T4014-xxx 315T4295-xxxx | ✓ | ✓ | ✓ | ✓ | ✓ |
| 23 | 71-11-56 | Fan Duct Cowl (PW4056/4060) | 315T4013-xxx | ✓ | ✓ | ✓ | ✓ | ✓ |
| 24 | 71-11-56 | Cascade Vanes (PW4056/4060) | 315T4210/4212/4214/ 4259/4262-x | ✓ | ✓ | ✓ | ✓ | ✓ |
| 25 | 78-31-00 | Blocker Door | 9333M35Gxx | ✓ | ✓ | ✓ | ✓ | ✓ |
| 26 | 78-32-12 78-32-34 78-30-33 | Flexible Shaft Assy | 121746-x | | ✓ | | ✓ | |
| 27 | 78-31-00 | T/R Latch Assy | 221-0765-514 | ✓ | ✓ | ✓ | ✓ | ✓ |

| A | B | C | D | E |
|----------|----------------------|--------------|--------|---------------|
| Overhaul | Inspection / Testing | Modification | Repair | Repair Design |

POWERPLANT/NACELLE CAPABILITY – PART 145 C7 RATING, ENGINE – APU,
Rolls Royce RB211-524G/H Series

| No. | ATA Ref. | Component/Unit Description | Typ. Part Number | *EASA145 & 14CFR145 Maintenance Activity Limitations | | | | *EASA21 Design Activity Limitations |
|-----|----------|-------------------------------------|--|--|---|---|---|-------------------------------------|
| | | | | A | B | C | D | E |
| 01 | 71-11-03 | Nose Cowl | LJ40442, LJ40886, LJ40910 | ✓ | ✓ | ✓ | ✓ | ✓ |
| 02 | 71-11-03 | Nose Cowl Acoustic Panels | LJ28269/70/71/72 LJ39033/34/35/36 LJ40915/16/17/18 | ✓ | ✓ | ✓ | ✓ | ✓ |
| 03 | 71-30-01 | Detachable Fairing Assy | LJ39495 | | ✓ | | ✓ | ✓ |
| 04 | 78-32-00 | Thrust Reverser | LJ37575, LJ80576 | ✓ | ✓ | ✓ | ✓ | ✓ |
| 05 | 78-32-16 | Blocker Flap | LJ41319, LJ41322 | ✓ | ✓ | ✓ | ✓ | ✓ |
| 06 | 78-32-00 | Link Arm Assy | LJ32270 | ✓ | ✓ | ✓ | ✓ | ✓ |
| 07 | 78-32-00 | Finger Bracket | LJ32475 / LJ32551 | ✓ | ✓ | ✓ | ✓ | ✓ |
| 08 | 78-32-00 | Cascade Vane/ Deflector Box | LJ360xx, LJ403xx | ✓ | ✓ | ✓ | ✓ | ✓ |
| 09 | 72-03-01 | Radial Drive Fairing LH , R/H | UL23537, UL23538 | ✓ | ✓ | ✓ | ✓ | ✓ |
| 10 | 78-32-06 | Thrust Reverser Acoustic Panels | LJ32262/LJ32597 & LJ34333 | ✓ | ✓ | ✓ | ✓ | ✓ |
| 11 | 72-03-01 | Comp. Bottom Fairing | UL23729 | ✓ | ✓ | ✓ | ✓ | ✓ |
| 12 | 72-03-01 | Bleed Access Panel | UL23736 | ✓ | ✓ | ✓ | ✓ | ✓ |
| 13 | 72-03-01 | L/H & R/H Upper Comp. Fairing | UL23543/ UL26804 | ✓ | ✓ | ✓ | ✓ | ✓ |
| 14 | 72-03-01 | Centre Comp. Fairing | UL23542 | ✓ | ✓ | ✓ | ✓ | ✓ |
| 15 | 72-03-01 | Pressure Relief Panel | UL26243 | ✓ | ✓ | ✓ | ✓ | ✓ |
| 16 | 72-03-01 | Pressure Relief Panel | UL27471 | ✓ | ✓ | ✓ | ✓ | ✓ |
| 17 | 72-35-05 | 'A' Frame Fairing | UL27561/62/63/64/67 | ✓ | ✓ | ✓ | ✓ | ✓ |
| 18 | 72-03-01 | Pressure Relief Panel | UL27471 | ✓ | ✓ | ✓ | ✓ | ✓ |
| 19 | 72-03-01 | L/H & R/H Upper/Lower Comp. Fairing | UL23***/UL26***/ UL37***/UL38*** /UL39*** | ✓ | ✓ | ✓ | ✓ | ✓ |
| 20 | 72-03-01 | 'A' Frame Fairing | UL27561/2/3/4 | ✓ | ✓ | ✓ | ✓ | ✓ |
| 21 | 72-03-02 | Nozzle Box Fairing Ctr. Nozzle Box | LK68502/LK68504 | ✓ | ✓ | ✓ | ✓ | ✓ |
| 22 | 72-03-02 | Nozzle Box Fairing | UL26888/UL26889 | ✓ | ✓ | ✓ | ✓ | ✓ |
| 23 | 72-03-02 | L/H & R/H Pylon Access Fairing | UL23894/5 | ✓ | ✓ | ✓ | ✓ | ✓ |
| 24 | 72-03-02 | L/H & R/H Rear Panel | UL22387/8 | ✓ | ✓ | ✓ | ✓ | ✓ |
| 25 | 72-03-02 | L/H & R/H Air Motor Access Fairing | UL27226/UL21319/ UL21616 | ✓ | ✓ | ✓ | ✓ | ✓ |
| 26 | 72-03-02 | L/H & R/H Inter services Fairing | UL22282/3 | ✓ | ✓ | ✓ | ✓ | ✓ |
| 27 | 72-03-02 | L/H& /RH Front Access Panel | UL25198/ UL25208/ LK81330/UL31567 | ✓ | ✓ | ✓ | ✓ | ✓ |
| 28 | 72-03-03 | L/H & R/H Comb. Sect. Fairing | UL26237/UL26239 FW24537/FW24538 FW24825,FW24826, FW58198/99 | ✓ | ✓ | ✓ | ✓ | ✓ |
| 29 | 72-03-03 | Lower Comb. Sect. Fairing | UL26236 | ✓ | ✓ | ✓ | ✓ | ✓ |
| 30 | 72-03-04 | L/H & RH Rear Turbine Fairing | UL26991/ UL26993 | ✓ | ✓ | ✓ | ✓ | ✓ |
| 31 | 72-03-04 | Lower Rear Turbine Fairing | UL26995 | ✓ | ✓ | ✓ | ✓ | ✓ |
| 32 | 72-34-14 | Fan Case Assy | UL25403,UL24658, UL21157, FW163xx | | ✓ | | ✓ | ✓ |
| 33 | 72-34-15 | Rear Fan Case | UL30705,UL26651, UL27791, UL22624, UL38850/51 | ✓ | ✓ | ✓ | ✓ | ✓ |

| A | B | C | D | E |
|----------|----------------------|--------------|--------|---------------|
| Overhaul | Inspection / Testing | Modification | Repair | Repair Design |

**POWERPLANT/NACELLE CAPABILITY – PART 145 C7 RATING, ENGINE – APU,
Rolls Royce
RB211-524G/H Series Cont.**

| No. | ATA Ref. | Component/Unit Description | Typ. Part Number | *EASA145 & 14CFR145 Maintenance Activity Limitations | | | | | *EASA21 Design Activity Limitations |
|-----|----------------------|---|--|--|---|---|---|---|-------------------------------------|
| | | | | A | B | C | D | E | |
| 34 | 71-30-01 | L/H & R/H Lower Fire Walls | LJ41498/9, LJ41989, LJ42094, LJ36724/5, LJ39492/3, LJ41424/5 | ✓ | ✓ | | ✓ | ✓ | |
| 35 | 71-30-01 | Fan Case Rear Fire Wall | LJ27891, LJ37610 | ✓ | ✓ | | ✓ | ✓ | |
| 36 | 71-30-01 | Fan Case Rear Fire Wall Pressure Cylinder Segment | NDH9512 | ✓ | ✓ | | ✓ | ✓ | |
| 37 | 72-34-15 | Fan Case Outlet Guide Vane | UL23876, UL28927 | ✓ | ✓ | | ✓ | ✓ | |
| 38 | 72-03-05 | Hoop Plate Fairing | LJ394xx/LJ395xx LJ405xx/LJ414xx LJ420xx/LJ424xx LJ425xx/LK88231 | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 39 | 78-32-16 | Corona Translating Case Assy | LJ32557, LJ37755, LJ41507 | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 40 | 78-32-16 | Corona Clevis end Bracket | LJ32181 | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 41 | 72-03-06 | Engine Support Structure Rear Splitter Fairing | UL24747, UL24998, UL27228 | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 42 | 78-32-07 | Thrust Reverser Translating Sleeve | LJ389xx | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 43 | 78-32-07 | Blocker Door Bracket | LJ32246 | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 44 | 71-11-01 | LH Fan Cowl Door | LJ40836 | | ✓ | ✓ | ✓ | ✓ | |
| 45 | 78-11-05 | Integrated Nozzle Assy | LK88218 | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 46 | 72-03-04 72-03-03 | Gas Generator Fairing (also fits 524-D4 Series) | LK77133, LK70365 | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 47 | As Applicable | General C7 rated Piece Parts | As per NEL-F-034 self-evaluations | | ✓ | | ✓ | ✓ | |

| A | B | C | D | E |
|----------|----------------------|--------------|--------|---------------|
| Overhaul | Inspection / Testing | Modification | Repair | Repair Design |

Rolls Royce
RB211-535C Series

| No. | ATA Ref. | Component/Unit Description | Typ. Part Number | *EASA145 & 14CFR145 Maintenance Activity Limitations | | | | | *EASA21 Design Activity Limitations |
|-----|----------------------|---|---|--|---|---|---|---|-------------------------------------|
| | | | | A | B | C | D | E | |
| 01 | 71-11-03 | Nose Cowl | LJ35910/LJ35845 | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 02 | 78-31-00 | Thrust Reverser | LJ71505 LJ71706/07/08 LJ72023/24/25 LJ71682, LJ71964, LJ71628 | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 03 | 78-31-00 | T/R Fixed Structure | LJ71940, LJ70089 | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 04 | 78-31-00 | Translating Sleeve | LJ70009, LJ70010 | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 05 | 78-31-00 | Cascade Vane | LJ71573, LJ71480 | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 06 | 78-31-00 | Thrust Reverser Bellows | 77728-x | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 07 | 78-31-00 | Thrust Reverser Hold Open Rod | 55470-13 | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 08 | 72-03-01 | Gas Generator Fairing | UL126xx, LK861xx | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 09 | 72-35-05 | A-Frame | LK83019 | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 10 | 71-11-01 71-11-02 | Fan Cowl Door | LJ71777, LJ71774, LJ71567, LJ71568 | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 11 | 71-11-00 | FCD Starter Valve Door Assy | LJ70137 | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 12 | 78-31-28-01-250 | Door Assy, Latch Access Front | LJ71906 | | ✓ | | ✓ | | |
| 13 | 78-31-28 | Fixed Structure Outer Torque Ring Fairing | LJ71849 | ✓ | ✓ | ✓ | ✓ | ✓ | |

| A | B | C | D | E |
|----------|----------------------|--------------|--------|---------------|
| Overhaul | Inspection / Testing | Modification | Repair | Repair Design |

POWERPLANT/NACELLE CAPABILITY – PART 145 C7 RATING, ENGINE – APU,

Rolls Royce
RB211-535E4 Series

| No. | ATA Ref. | Component/Unit Description | Typ. Part Number | *EASA145 & 14CFR145 Maintenance Activity Limitations | | | | *EASA21 Design Activity Limitations |
|-----|----------|--|--|--|---|---|---|-------------------------------------|
| | | | | A | B | C | D | E |
| 01 | 71-11-30 | Inlet Cowl (E4 3000 Series) | LJ35810/LJ39448/ LJ38068/LJ38036/ LJ38066 | ✓ | ✓ | ✓ | ✓ | ✓ |
| 02 | 71-11-50 | Inlet Cowl (E4B 5000 Series) | LJ505xx, LJ506xx, LJ508xx, LJ509xx | ✓ | ✓ | ✓ | ✓ | ✓ |
| 03 | 71-11-30 | L/H,RH & LWR I/Barrel acoustic panels (3000 Series) (Subcontract to NRD) | 226-1001-501E 226-1001-503E 226-1001-505E | ✓ | ✓ | ✓ | ✓ | ✓ |
| 04 | 71-11-50 | L/H,RH & LWR I/Barrel acoustic panels (5000 Series) | LJ50671, LJ50672, LJ50673 | ✓ | ✓ | ✓ | ✓ | ✓ |
| 05 | 78-31-03 | Thrust Reverser LH/RH | LJ75089, LJ75040, LJ76570, LJ76574, LJ77100, LJ76369 | ✓ | ✓ | ✓ | ✓ | ✓ |
| 06 | 78-31-03 | Translating Cowl | LJ76875, LJ75009 | | | | | |
| 07 | 78-31-03 | Blocker Door | LJ76351 | ✓ | ✓ | ✓ | ✓ | ✓ |
| 08 | 78-31-58 | Fixed Structure LH/RH | LJ75089, LJ75090, LJ76377, LJ76554, LJ76690, LJ76498, LJ77136 LJ77140, LJ76497 | ✓ | ✓ | ✓ | ✓ | ✓ |
| 09 | 78-31-58 | Cascade Vane | LJ36986 | ✓ | ✓ | ✓ | ✓ | ✓ |
| 10 | 78-31-58 | Fixed Structure Latch Access Doors | LJ77128, LJ77129, LJ75036, LJ76271, LJ76322, LJ76616, LJ77062 | ✓ | ✓ | ✓ | ✓ | ✓ |
| 11 | 78-11-04 | Exhaust Collector (CNA) | UL13010, JP55201 | ✓ | ✓ | ✓ | ✓ | ✓ |
| 12 | 71-11-02 | Fan Cowl Door | LJ75814, LJ76379, LJ75747 | | ✓ | | ✓ | ✓ |
| 13 | 71-11-00 | FCD Hinge bracket Heatshield | LJ75519, LJ75519-x | | ✓ | | ✓ | ✓ |
| 14 | 72-03-01 | Gas Generator Fairing | UL30317, UL29906, UL29907, UL36133, UL36134 | ✓ | ✓ | ✓ | ✓ | ✓ |
| 15 | 72-00-41 | Gas Gen Fairing Support (E4-B-37/25) | FW15725 | ✓ | ✓ | ✓ | ✓ | ✓ |
| 16 | 78-31-28 | Hold Open Rod | 55470-3 | ✓ | ✓ | ✓ | ✓ | ✓ |
| 17 | 78-36-03 | T/Reverser Wire Harness (Inspect/test only) | LJ77120 | | ✓ | | ✓ | |
| 18 | 78-34-03 | Feedback Actuator (Inspect) | LJ70533 | | ✓ | | ✓ | |
| 19 | 78-31-00 | Sync Lock (inspect/test only) | 3578000* | | ✓ | | ✓ | |

| A | B | C | D | E |
|----------|----------------------|--------------|--------|---------------|
| Overhaul | Inspection / Testing | Modification | Repair | Repair Design |

**POWERPLANT/NACELLE CAPABILITY – PART 145 C7 RATING, ENGINE – APU,
Rolls Royce**

RB211-Trent 700 Series (Customer to supply OEM tech data for Part 145 maintenance activity)

| No. | ATA Ref. | Component/Unit Description | Typ. Part Number | *EASA145 & 14CFR145 Maintenance Activity Limitations | | | | *EASA21 Design Activity Limitations |
|-----|----------------------|---|--|--|---|---|---|-------------------------------------|
| | | | | A | B | C | D | |
| 01 | 78-31-00 | Thrust Reverser | HDTR3414L/R HDTR3413L/R HDTR3415 L/R HDTR3416 L/R HDTR3418 L/R | ✓ | ✓ | ✓ | ✓ | ✓ |
| 02 | 78-30-20 | Upper/Lower Pivot Door Assy | 91E676-04 91E676-04-0G 91E880-04 91E880-04-0G 91E590-04-0G 91E900-04-0G | ✓ | ✓ | ✓ | ✓ | ✓ |
| 03 | 78-30-20 | Pivot Door Inner Panel (Moveable Flap Rectangular/Triangular) | 91E542-xx 91E846-xx 91E993-xx 91E550-xx | ✓ | ✓ | ✓ | ✓ | ✓ |
| 04 | 78-31-00 | Duct Assy | 91B782-00 | | ✓ | | ✓ | ✓ |
| 05 | 78-11-14 | Common Nozzle Assembly | FK16719 | | ✓ | | ✓ | ✓ |
| 06 | 71-61-00 | Inlet Cowl | SJ30361X | | ✓ | | | |
| 07 | 78-31-07 78-30-20 | Hold Open Rod Strut Assy | A335-120 91A271-01 | | ✓ | ✓ | ✓ | ✓ |
| 08 | 71-13-41 71-13-42 | Fan Cowl Door LH/RH | 217-0431-xx, 217-0465-xx 217-1338-xx 217-1365-xx 217-1338-xx | | ✓ | | | ✓ |

Rolls Royce

RB211-Trent 800 Series (Customer to supply OEM tech data for Part 145 maintenance activity)

| No. | ATA Ref. | Component/Unit Description | Typ. Part Number | *EASA145 & 14CFR145 Maintenance Activity Limitations | | | | *EASA21 Design Activity Limitations |
|-----|----------|---|--|--|---|---|---|-------------------------------------|
| | | | | A | B | C | D | |
| 01 | 78-31-01 | Thrust Reverser (No Autoclave ability) | 315E1001-xxx(RH) 315W1295-xxx(LH) 315W5295-xxx(RH) | | ✓ | | ✓ | ✓ |

Bombardier-Learjet

40/45 TFE731-20

(Customer to supply OEM tech data for Part 145 maintenance activity)

| No. | ATA Ref. | Component/Unit Description | Typ. Part Number | *EASA145 & 14CFR145 Maintenance Activity Limitations | | | | *EASA21 Design Activity Limitations |
|-----|----------|----------------------------|-------------------|--|---|---|---|-------------------------------------|
| | | | | A | B | C | D | |
| 01 | 78-30-20 | Thrust Reverser | LJ7830101-3-4-5-6 | | ✓ | | ✓ | ✓ |

| A | B | C | D | E |
|----------|----------------------|--------------|--------|---------------|
| Overhaul | Inspection / Testing | Modification | Repair | Repair Design |

POWERPLANT/NACELLE CAPABILITY – PART 145 C7 RATING, ENGINE – APU,

EMBRAER

ERJ-170/175 Aircraft fitted with CF34-8 Engines
(Customer to supply OEM tech data for Part 145 maintenance activity)

| No. | ATA Ref. | Component/Unit Description | Typ. Part Number | *EASA145 & 14CFR145 Maintenance Activity Limitations | | | | *EASA21 Design Activity Limitations |
|-----|----------|----------------------------|---|--|---|---|---|-------------------------------------|
| | | | | A | B | C | D | E |
| 01 | 71-13-02 | Aft Core Cowl Door | 15F0001-009 On Wing Inspection/Repair to AMM | | ✓ | | ✓ | ✓ |
| 02 | 78-30-02 | Thrust Reverser | 15G0001-011, -012, -013, -014 On Wing Inspection / Repair to AMM | | ✓ | | ✓ | ✓ |

Boeing

B777 Aircraft fitted with GE90 Engines (Customer to supply OEM tech data for Part 145 maintenance activity)

| No. | ATA Ref. | Component/Unit Description | Typ. Part Number | *EASA145 & 14CFR145 Maintenance Activity Limitations | | | | *EASA21 Design Activity Limitations |
|-----|----------|----------------------------|--|--|---|---|---|-------------------------------------|
| | | | | A | B | C | D | E |
| 01 | 78-00-00 | Thrust Reverser | 315W1295-xxx On Wing Inspection/Repair to AMM | | ✓ | | ✓ | ✓ |

| A | B | C | D | E |
|----------|----------------------|--------------|--------|---------------|
| Overhaul | Inspection / Testing | Modification | Repair | Repair Design |

POWERPLANT/NACELLE CAPABILITY – PART 145 C20 RATING (STRUCTURES),

Boeing
B747 Series

| No. | ATA Ref. | Component/Unit Description | Typ. Part Number | *EASA145 & 14CFR145 Maintenance Activity Limitations | | | | | *EASA21 Design Activity Limitations |
|-----|----------|----------------------------|------------------------------|--|---|---|---|---|-------------------------------------|
| | | | | A | B | C | D | E | |
| 01 | 57-31-36 | Panel Assy (Flying Wing) | 113U1011-xxx 65B22845-xxx | ✓ | ✓ | ✓ | ✓ | | ✓ |

Boeing
B767 Series

| No. | ATA Ref. | Component/Unit Description | Typ. Part Number | *EASA145 & 14CFR145 Maintenance Activity Limitations | | | | | *EASA21 Design Activity Limitations |
|-----|--------------|----------------------------|------------------|--|---|---|---|---|-------------------------------------|
| | | | | A | B | C | D | E | |
| 01 | SRM 54-52-70 | Pylon Panel | 323T2380-670 | | ✓ | | ✓ | | ✓ |

Boeing
B777 Series (GE90 Engines)

| No. | ATA Ref. | Component/Unit Description | Typ. Part Number | *EASA145 & 14CFR145 Maintenance Activity Limitations | | | | | *EASA21 Design Activity Limitations |
|-----|---|---|--|--|---|---|---|---|-------------------------------------|
| | | | | A | B | C | D | E | |
| 01 | SRM 54-53-70 IPL 54-52-17 Fig 18 | Strut Aft Fairing Panel (Fire shield arrangement) | 313W1821-X 313W1822-X 313W1823-X 313W1824-X 313W1825-X 313W1826-X | | ✓ | | ✓ | | ✓ |

| A | B | C | D | E |
|----------|----------------------|--------------|--------|---------------|
| Overhaul | Inspection / Testing | Modification | Repair | Repair Design |