

Standard: PS 501

Title: Boeing Process Specification Index

Author:

| Issue | Compiled | Date | EO |
|----------|---------------|-----------------|-------------------|
| 1 | S Ford | 20190402 | ECNEU01622 |
| 2 | S Ford | 20190626 | ECNEU02565 |
| 3 | S Ford | 20191029 | ECNEU02715 |
| D | S Ford | 20191129 | ECNEU03143 |
| E | S Ford | 20200204 | ECNEU03144 |
| F | S Ford | 20200602 | ECNEU03428 |
| G | S Ford | 20200709 | ECNEU03754 |
| H | S Ford | 20200915 | ECN1006196 |

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1.0 SCOPE

- 1.1 This document covers the issue status and process specification departures (PSD) applicable to Boeing specifications used on make-to-print parts for Moog Wolverhampton.
- 1.2 The listing is designed as a look up tool for Supply Chain to determine the latest specification and departure issue which is needed for manufacturing on make-to-print parts for Moog Wolverhampton.
- 1.3 Where industry process specifications are used in the manufacturer or other supporting processes related to make-to-print parts for Moog Wolverhampton, e.g. AMS-QQ-P-416 or ASTM B117 then these shall be obtained directly by the supplier.

2.0 INTRODUCTION

- 2.1 The listing is not exhaustive. Requests to add further Boeing process specifications should be made through the Moog purchasing contact.
- 2.2 When a supplier requires a copy of a particular document the request shall be made through the Moog purchasing contact.

3.0 REFERENCE DOCUMENTS

Whenever a specification is referenced as PS xxx, then this shall imply the in-house standard of Moog Wolverhampton. Specifications from other companies or institutions shall be given a suitable prefix to identify the source.

<http://active.boeing.com/doingbiz/d14426/index.cfm>

4.0 PROCESS SPECIFICATION LISTING

- 4.1 In the tables below only PSDs that apply to Boeing Commercial Airplanes are shown, i.e. only those beginning 6-xxx. For those specifications with an associated Qualified Products Listing (QPL) the revision status of this is given in the PSD column. Items marked with a ★ have been updated since the last revision.
- 4.2 In the column "Date of most recent update" a date of 7-Aug-18 represents the date at which the initial issue status data was gathered for this document. Additionally, the date given is the date of the notification from the Boeing specification website which will be one day later than the date that appears as the "release date" on the document.
- 4.3 Primary specifications (marked with a 'P') are those which are directly called-out from the part drawing. These specifications are controlled within MBS with a link to each part number where they apply. Other specifications are secondary, i.e. called out from within the primary specifications. These are not controlled within MBS.
- 4.4 Documents with the following prefix are included in the table below:-
- BAC (Boeing Airplane Company)
 - BMS (Boeing Material Specification)
 - BSS (Boeing Specification Support Standard)
 - D2 & D6

| Process Spec No. | Title | Rev | PSD | Date of most recent update | P | * |
|------------------|--|-----|---|----------------------------|----------|--------------------------|
| BAC5000 | SEALING, GENERAL | AU | 6-278, 6-279, 6-280, 6-281, 6-282, 6-283, 6-284, 6-285, 6-286, 6-288, 6-290, 6-294, 6-313, 6-315 | 17-Oct-19 | P | <input type="checkbox"/> |
| BAC5004 | INSTALLATION OF PERMANENT FASTENERS | N | 6-118, 6-130, 6-131, 6-139 | 13-Sep-19 | P | <input type="checkbox"/> |
| BAC5008 | APPLICATION OF LUBRICANTS | U | 6-108, 6-111, 6-112, 6-115, 6-117, 6-131, 6-133, 6-134, 6-135, 6-136, 6-139, 6-141, 6-142, 6-143, 6-144, 6-145, 6-146, 6-147, 6-148 | 6-Apr-19 | - | <input type="checkbox"/> |
| BAC5009 | BOLT AND NUT INSTALLATION | AF | 6-154, 6-179, 6-186 | 15-Jul-20 | P | * |
| BAC5019 | CHROMIC ACID ANODIZING | U | 6-135, 6-143, 6-145, 6-155, 6-158, 6-162, 6-163, 6-166, 6-167, 6-169 | 7-Aug-18 | P | <input type="checkbox"/> |
| BAC5027 | INSTALLATION OF AIR PRESSURE SEALS ON CABLE ASSEMBLIES | Y | N/A | 7-Aug-18 | P | <input type="checkbox"/> |
| BAC5032 | GRINDING OF CHROMIUM PLATE | G | 6-009, 6-012, 6-013 | 6-Apr-19 | P | <input type="checkbox"/> |
| BAC5034 | TEMPORARY PROTECTION OF PRODUCTION MATERIALS, PARTS, AND ASSEMBLIES | P | 6-131, 6-134, 6-136 | 10-May-19 | P | <input type="checkbox"/> |
| BAC5034-2 | TEMPORARY PROTECTION OF PRODUCTION MATERIALS, PARTS AND ASSEMBLIES WITH NONADHERENT FILM AND SHEET COVERINGS | G | 6-040, 6-042 | 17-May-19 | P | <input type="checkbox"/> |
| BAC5034-3 | TEMPORARY PROTECTION OF PRODUCTION MATERIALS, PARTS AND ASSEMBLIES WITH PRESERVATIVES | D | 6-004, 6-006 | 7-Aug-18 | P | <input type="checkbox"/> |
| BAC5034-4 | TEMPORARY PROTECTION OF PRODUCTION MATERIALS, PARTS, AND ASSEMBLIES WITH PRESSURE SENSITIVE TAPE | M | N/A | 24-Mar-20 | P | <input type="checkbox"/> |

| Process Spec No. | Title | Rev | PSD | Date of most recent update | P | * |
|------------------|--|-----|--|----------------------------|----------|--------------------------|
| BAC5047 | FLUID TIGHT FASTENER INSTALLATION | M | 6-104, 6-106, 6-107, 6-108, 6-109, 6-110 | 7-Feb-19 | P | <input type="checkbox"/> |
| BAC5064 | INSTALLATION OF INSERTS, PANEL FASTENERS AND RELATED HARDWARE | E | 6-033, 6-034, 6-040, 6-042, 6-045, 6-046, 6-048, 6-049, 6-050, 6-052, 6-053, 6-054, 6-055, 6-057, 6-058 | 7-Aug-18 | P | <input type="checkbox"/> |
| BAC5300 | FORMING, STRAIGHTENING AND FITTING METAL PARTS | N | N/A | 7-Aug-18 | P | <input type="checkbox"/> |
| BAC5305 | APPLICATION OF ALUMINUM FOIL MARKERS | P | N/A | 22-Aug-18 | P | <input type="checkbox"/> |
| BAC5307 | PART MARKING | AA | 6-289, 6-316, 6-317 | 29-Apr-20 | P | <input type="checkbox"/> |
| BAC5312 | APPLICATION OF PLASTIC FILM MARKERS | U | 6-051, 6-052 | 20-May-20 | P | <input type="checkbox"/> |
| BAC5338 | ACID ETCH AND ELECTROCHEMICAL ETCH MARKING | H | N/A | 31-Jul-19 | - | <input type="checkbox"/> |
| BAC5401 | STORAGE, HANDLING, ISSUANCE AND AGE CONTROL OF RUBBER OR RUBBER-LIKE MATERIALS | F | 6-003 | 5-Jan-19 | P | <input type="checkbox"/> |
| BAC5407 | CEMENTING OF METAL TO WOOD OR PLASTICS | B | N/A | 7-Aug-18 | P | <input type="checkbox"/> |
| BAC5408 | VAPOR DEGREASING | M | 6-039, 6-046, 6-051, 6-054, 6-056, 6-057, 6-058, 6-061, 6-062, 6-063, 6-067, 6-069, 6-070, 6-071, 6-072, 6-074, 6-075, 6-076 | 22-Oct-18 | - | <input type="checkbox"/> |
| BAC5423 | PENETRANT METHODS OF INSPECTION | Y | 6-155 | 14-Mar-20 | P | <input type="checkbox"/> |
| BAC5424 | MAGNETIC PARTICLE INSPECTION | U | 6-040 | 7-Aug-18 | P | <input type="checkbox"/> |
| BAC5435 | BEARING INSTALLATION AND RETENTION | AA | 6-062, 6-074, 6-075 | 7-Aug-18 | P | <input type="checkbox"/> |
| BAC5436 | ETCH INSPECTION OF GROUND OR MACHINED STEEL PARTS | G | 6-051, 6-053, 6-061, 6-070, 6-071, 6-072, 6-074, 6-075 | 10-May-19 | P | <input type="checkbox"/> |
| BAC5439 | ULTRASONIC INSPECTION | J | 6-023 | 20-Dec-18 | P | <input type="checkbox"/> |

| Process Spec No. | Title | Rev | PSD | Date of most recent update | P | * |
|------------------|--|-----|---|----------------------------|----------|--------------------------|
| BAC5440 | HOLE PREPARATION, MACHINING, AND GRINDING OF STEELS | L | 6-046, 6-051 | 11-Jun-19 | P | <input type="checkbox"/> |
| BAC5602 | HEAT TREATMENT OF ALUMINUM ALLOYS | AG | 6-182, 6-184, 6-202, 6-203, 6-205 | 29-Jun-19 | P | <input type="checkbox"/> |
| BAC5604 | BELT GRINDING OF WEAR COATINGS | A | N/A | 7-Aug-18 | P | <input type="checkbox"/> |
| BAC5617 | HEAT TREATMENT OF ALLOY STEELS | W | N/A | 4-Apr-19 | P | <input type="checkbox"/> |
| BAC5618 | CARBURIZING AND NITRIDING OF STEELS | F | N/A | 7-Aug-18 | P | <input type="checkbox"/> |
| BAC5619 | HEAT TREATMENT OF CORROSION RESISTANT STEEL | K | N/A | 24-May-19 | P | <input type="checkbox"/> |
| BAC5621 | TEMPERATURE CONTROL FOR PROCESSING OF MATERIALS | L | N/A | 7-Aug-18 | - | <input type="checkbox"/> |
| BAC5625 | SURFACE TREATMENTS FOR FERROUS ALLOYS | F | 6-068, 6-069, 6-070, 6-071, 6-072, 6-073, 6-074 | 28-Mar-20 | P | <input type="checkbox"/> |
| BAC5632 | BORIC ACID - SULFURIC ACID ANODIZING | D | 6-031, 6-039, 6-043, 6-050, 6-055, 6-060, 6-062, 6-063, 6-064, 6-067, 6-068, 6-069, 6-071, 6-072, 6-073, 6-074, 6-075, 6-076, 6-077, 6-078, 6-080, 6-081, 6-082, 6-083, 6-084, 6-085, 6-086, 6-087, 6-088 | 9-Jul-20 | P | * |
| BAC5640 | NITRIDING OF STEEL | A | N/A | 16-May-19 | P | <input type="checkbox"/> |
| BAC5641 | CARBURIZING OF CARBON AND ALLOY STEELS | A | 6-003, 6-004, 6-007, 6-008, 6-010 | 20-May-20 | P | <input type="checkbox"/> |
| BAC5650 | HARDNESS TESTING | E | 6-004, 6-005, 6-008 | 7-Aug-18 | - | <input type="checkbox"/> |
| BAC5656 | ABRASIVE WATERJET CUTTING FOR METALS AND METAL-COMPOSITE HYBRIDS | E | N/A | 7-Aug-18 | P | <input type="checkbox"/> |
| BAC5669 | VIBRATORY PEENING | A | N/A | 7-Aug-18 | P | <input type="checkbox"/> |

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| BAC5701 | CADMIUM PLATING | P | 6-060 | 26-Nov-19 | P | <input type="checkbox"/> |
| BAC5709 | HARD CHROMIUM PLATING | W | QPL REV A 6-057, 6-066, 6-067, 6-071, 6-072 | 18-Apr-19 | P | <input type="checkbox"/> |
| BAC5710 | APPLICATION OF SPECIAL PURPOSE COATINGS | AC | 6-144, 6-145, 6-146, 6-147 | 30-May-19 | - | <input type="checkbox"/> |
| BAC5716 | PREPARATION OF COLORED ANODIC FILMS | H | N/A | 7-Aug-18 | P | <input type="checkbox"/> |
| BAC5718 | LOW HYDROGEN EMBRITTLEMENT CADMIUM PLATING | J | QPL REV A 6-027, 6-028 | 7-Aug-18 | P | <input type="checkbox"/> |
| BAC5719 | CHEMICAL CONVERSION COATINGS FOR ALUMINUM AND ALUMINUM ALLOYS | AA | 6-082, 6-096, 6-111, 6-131, 6-136, 6-137, 6-138, 6-142, 6-143, 6-144, 6-145, 6-147, 6-148, 6-149, 6-150, 6-152, 6-153, 6-154, 6-156, 6-157, 6-158 | 19-Jul-19 | P | <input type="checkbox"/> |
| BAC5720 | PROTECTION OF THE INTERIOR OF STRUCTURAL TUBING | D | N/A | 7-Aug-18 | - | <input type="checkbox"/> |
| BAC5722 | COPPER PLATING | F | N/A | 18-Oct-19 | - | <input type="checkbox"/> |
| BAC5725 | STRIPPING ORGANIC MATERIALS | H | N/A | 11-Jan-19 | - | <input type="checkbox"/> |
| BAC5730 | SHOT PEENING | T | 6-112 | 24-Jul-19 | - | <input type="checkbox"/> |
| BAC5736 | APPLICATION OF CHEMICAL AND SOLVENT RESISTANT FINISHES | AA | 6-196, 6-198, 6-199, 6-201, 6-206, 6-208, 6-209 | 2-Aug-19 | P | <input type="checkbox"/> |
| BAC5744 | MANUAL CLEANING (COLD ALKALINE, SOLVENT EMULSION AND FOAM CLEANERS) | H | N/A | 23-Dec-19 | - | <input type="checkbox"/> |
| BAC5748 | ABRASIVE CLEANING, DEBURRING, AND FINISHING | V | N/A | 29-May-20 | P | <input type="checkbox"/> |
| BAC5749 | ALKALINE CLEANING | Y | 6-133, 6-178, 6-179, 6-108 | 28-May-20 | - | <input type="checkbox"/> |

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| BAC5750 | SOLVENT CLEANING | R | 6-064, 6-106, 6-109, 6-110, 6-111, 6-113, 6-115, 6-117 | 8-May-19 | - | <input type="checkbox"/> |
| BAC5751 | CLEANING, DESCALING AND SURFACE PREPARATION OF FERROUS ALLOYS | M | 6-069 | 7-Aug-18 | P | <input type="checkbox"/> |
| BAC5755 | APPLICATION OF INTERIOR DECORATIVE FINISHES | AF | 6-109, 6-112 | 7-Oct-19 | - | <input type="checkbox"/> |
| BAC5765 | CLEANING AND DEOXIDIZING ALUMINUM ALLOYS | Y | 6-197, 6-205, 6-207, 6-217, 6-218, 6-223, 6-224, 6-227, 6-229, 6-235, 6-236, 6-238, 6-239, 6-240, 6-243 | 13-Mar-20 | - | <input type="checkbox"/> |
| BAC5771 | STRIPPING INORGANIC FINISHES | J | 6-080, 6-081, 6-082 | 7-Aug-18 | - | <input type="checkbox"/> |
| BAC5786 | ETCH CLEANING OF ALUMINUM ALLOYS | N | 6-061, 6-064, 6-068 | 22-Jan-19 | - | <input type="checkbox"/> |
| BAC5793 | APPLICATION OF CORROSION RESISTANT FINISH FOR INTEGRAL FUEL TANKS | Y | 6-106, 6-107, 6-108, 6-109, 6-110, 6-113, 6-115, 6-118, 6-120 | 12-Jun-19 | - | <input type="checkbox"/> |
| BAC5804 | LOW HYDROGEN EMBRITTLEMENT | AF | QPL REV - | 29-Apr-20 | P | <input type="checkbox"/> |
| BAC5807 | APPLICATION OF HIGH TEMPERATURE EPOXY PRIMER | P | N/A | 7-Aug-18 | - | <input type="checkbox"/> |
| BAC5810 | PHOSPHATING | M | 6-022, 6-023 | 7-Aug-18 | P | <input type="checkbox"/> |
| BAC5811 | APPLICATION OF BONDED SOLID FILM LUBRICANTS | V | QPL REV AE, 6-027, 6-034 | 2-Aug-19 | P | <input type="checkbox"/> |
| BAC5845 | APPLICATION OF POLYURETHANE TOPCOAT | V | 6-064, 6-073 | 24-Dec-19 | - | <input type="checkbox"/> |
| BAC5854 | LOW HYDROGEN EMBRITTLEMENT STYLUS CADMIUM PLATING | L | 6-009, 6-010, 6-011, 6-012 | 7-Aug-18 | - | <input type="checkbox"/> |

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| BAC5868 | APPLICATION OF REFERENCE INFORMATION, PART NUMBERS, AND SERIAL NUMBERS ON PRINTED-CIRCUIT BOARDS | P | 6-025 | 7-Aug-18 | P | <input type="checkbox"/> |
| BAC5875 | FABRICATION OF ALUMINUM MARKERS AND ALUMINUM AND PLASTIC APPLIQUES | T | N/A | 22-Nov-18 | - | <input type="checkbox"/> |
| BAC5882 | APPLICATION OF URETHANE COMPATIBLE PRIMER | N | 6-021 | 13-Jan-20 | - | <input type="checkbox"/> |
| BAC5928 | THERMAL CUTTING OF METALS | K | 6-009 | 7-Aug-18 | P | <input type="checkbox"/> |
| BAC5951 | GLASS BEAD PEENING | E | N/A | 13-Jun-19 | P | <input type="checkbox"/> |
| BAC5969 | ELECTRICAL DISCHARGE MACHINING | E | 6-005 | 7-Aug-18 | P | <input type="checkbox"/> |
| BAC5982 | LASER CUTTING OF METAL | C | N/A | 7-Aug-18 | - | <input type="checkbox"/> |
| BACD2074 | FASTENER CODES AND SYMBOLS- DESIGN DETAIL | BF | N/A | 9-Jul-20 | - | * |
| BACD2079 | HELICAL COIL INSERT HOLE DETAIL | D | N/A | 4-Feb-20 | - | <input type="checkbox"/> |
| BACD2097 | SURFACE TEXTURE (U.S. CUSTOMARY AND METRIC) | AA | N/A | 7-Aug-18 | - | <input type="checkbox"/> |
| BMS5-45 | FUEL TANK SEALANT | L | QPL REV - | 13-Aug-19 | - | <input type="checkbox"/> |
| BMS10-11 | CHEMICAL AND SOLVENT RESISTANT FINISH | AD | QPL REV - for BMS10-11 rev AD | 14-Jul-20 | P | * |
| BMS7-122 | CONSUMABLE ELECTRODE VACUUM ARC REMELTED 4330 MODIFIED (AMS 6411) STEEL | D | N/A | 7-Aug-18 | - | <input type="checkbox"/> |
| BMS7-26 | STEEL BAR, FORGING STOCK, FORGINGS, AND TUBING - 4340 MODIFIED | R | QPL REV ORG | 7-Aug-18 | P | <input type="checkbox"/> |
| BSS7039 | LIQUID PENETRANT INSPECTION | D | 6-004, 6-009 | 14-Mar-20 | - | <input type="checkbox"/> |
| BSS7040 | MAGNETIC PARTICLE INSPECTION | C | N/A | 7-Aug-18 | - | <input type="checkbox"/> |
| BSS7084 | PRE-APPROVED STATISTICAL SAMPLING PLANS | A | N/A | 7-Aug-18 | - | <input type="checkbox"/> |

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| BSS7217 | AIR CLEANLINESS, SHOP COMPRESSED AIR | C | N/A | 7-Aug-18 | - | <input type="checkbox"/> |
| BSS7219 | INTERGRANULAR ATTACK, TEST METHOD | E | N/A | 7-Aug-18 | - | <input type="checkbox"/> |
| BSS7235 | ADHESION TEST METHOD, PLATING | B | N/A | 7-Aug-18 | - | <input type="checkbox"/> |
| BSS7321 | HYDROGEN DETECTION INSTRUMENT TEST METHOD | G | N/A | 7-Aug-18 | - | <input type="checkbox"/> |
| BSS7350 | ROCKWELL HARDNESS TESTING PROCEDURES | F | N/A | 11-Jun-19 | - | <input type="checkbox"/> |
| BSS7600 | EMPLOYEE CERTIFICATION, GENERAL REQUIREMENTS | W | 6-013, 6-014 | 7-Aug-18 | - | <input type="checkbox"/> |
| BSS7621 | HYDROGEN DETECTION INSTRUMENT OPERATOR, PERSONNEL CERTIFICATION FOR | F | N/A | 7-Aug-18 | - | <input type="checkbox"/> |
| BSS7636 | ETCH INSPECTION OF GROUND OR MACHINED STEEL PARTS, EMPLOYEE CERTIFICATION FOR | H | N/A | 7-Aug-18 | - | <input type="checkbox"/> |
| BSS7666 | VISION REQUIREMENTS, EMPLOYEE CERTIFICATION FOR | H | N/A | 12-Jan-19 | - | <input type="checkbox"/> |
| BSS7698 | NONDESTRUCTIVE INSPECTION, EMPLOYEE CERTIFICATION FOR | K | N/A | 28-Nov-18 | - | <input type="checkbox"/> |
| D2-5000 | PROTECTIVE FINISH CODES | CH | N/A | 7-Aug-18 | P | <input type="checkbox"/> |
| D6-5000 | SPECIAL COMMERCIAL AIRPLANE COMPANY FINISH CODES | BM | N/A | 5-Feb-20 | P | <input type="checkbox"/> |