D1-4426 Approved Sources Flow Chart

FL 1 = Processor to perform due diligence to ensure purchase order is correct.
FL 2 = BCA and C-17 only. Metallic material sources for non-USA suppliers and all suppliers of Titanium ingot (i.e. non-USA and USA) in accordance with D042T601 and DMS2201
D1-4426 Approved Sources Matrix
(✓ Indicates Approved Source Required)

<table>
<thead>
<tr>
<th>FL</th>
<th>Boeing Design</th>
<th>Boeing SCD</th>
<th>Designated Fasteners</th>
<th>Metallic Materials (Parts Numbers)</th>
<th>Metallic Materials (Size &amp; Shape)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>B</td>
<td>✓</td>
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<td>C</td>
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<td>D</td>
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<td>E</td>
<td></td>
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</tr>
</tbody>
</table>

Process Specifications
- Boeing: ✓ ✓ ✓ ✓ ✓
- Industry/Military: ✓ FL 3 ✓ FL 4

Support Test Methods (FL 2)
- Boeing: ✓ ✓ ✓ ✓
- Industry/Military: ✓ FL 3 ✓ FL 4

FL 1 – An industry/military standard is published outside The Boeing Company (including ASTM, MIL-STD, AMS, PRC etc.):
FL 2 – Support Test Methods (800 Codes) must be referenced and performed in support of another required D1-4426 standard
FL 3 – Approved sources required when flowed from a Boeing process standard called out in the Supplier Design/SCD
FL 4 – Approved sources required when flowed from a Boeing process standard called out in the raw material standard
Boeing SCD

D1-4426 Approved Source Is Required

Boeing Process Specification (BAC, DPS, PS, ...)

Specifications Referenced Within the Boeing Process Spec

Industry/Military Process Specification (AMS, MIL, ...)
(Such as additional inspection)

D1-4426 Approved Source Is Not Required
FL 1

Boeing Process Specification (BAC, DPS, PS, ...)

Industry/Military Process Specification (AMS, MIL, ...)

D1-4426 Support Testing (Boeing or Industry/Military)
(BAC, BSS, ASTM, NAS, ...)

D1-4426 Approved Source Is Required

FL 1: Nadcap accreditation may be required in accordance with Boeing Engineering SCD requirements documents (such as D6-53172 or D620Z414-01)
Designated Fasteners & Bearings
(See Glossary in User Instructions Sections 3 & 8)

Manufacturing of Designated Fasteners

Distribution of Designated Fasteners & Bearings

Does fastener standard reference BPS? FL 1

Yes

Manufacturer

No

D1-4426 Approved Source Not Required

Does part standard require Authorized Distributors?

Yes

D1-4426 Listed Distributor Required

No

D1-4426 Listed Distributor Not Required

Sub-tier Processor

Industry/Military Process or Testing Specification (AMS, MIL, ...)

D1-4426 Approved Source Not Required

Boeing Process Specification (such as BAC)

D1-4426 Approved Source Is Required

FL 1: BPS is a Boeing Part Specification, such as BPS-F-69 for bolts. The BPS is typically referenced in the “Procurement Specification” section of the part standard.
Metallic Raw Materials
Purchased to size or shape (such as sheet plate, bar, extrusion) FL1

- Boeing Material Standard (BMS, DMS, MMS, HMS)
- Industry/Military Material Standard (AMS, QQ, WW, …)
- Boeing Process Specification (BAC, DPS, PS, …)
- Industry/Military Process Specification (AMS, MIL, …)

- Drawing With Metallic Raw Material Callout (FL 1)
- Boeing Process Specification (BAC, DPS, PS, …) (Such as additional inspection)
- Industry/Military Process Specification (AMS, MIL, …) (Such as additional inspection)

- Boeing Process Specification (BAC, DPS, PS, …)
  - Specifications Referenced Within the Process Spec Above

- Industry/Military Process Specification (AMS, MIL, …)

- Boeing Process Specification (BAC, DPS, PS, …)

- D1-4426 Approved Source Is Required

- D1-4426 Approved Source Not Required

- 600 Codes See Page 6

- D1-4426 Support Testing (Boeing or Industry/Military) (BAC, BSS, ASTM, NAS, …)

FL 1 - Castings, forgings, and extrusions purchased as part numbers require D1-4426 approved sources for all process specifications listed in D1-4426

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600 Codes
Metallic Materials Requiring Boeing Engineering Approval
Applicable to non-U.S.A. raw material suppliers and all titanium alloy ingot suppliers (non-U.S.A. and U.S.A.) for Boeing Commercial Airplane products excluding Long Beach Division (FL1)

FL1 – Metallic materials in accordance with D042T601 (Requirements for Engineering Approval of Metallic Raw Material Suppliers) and DMS2201 (Procurement from Foreign Sources - Metallic Raw Materials)
FL2 – If the mill product is not listed in D1-4426, then any satisfactory source may be used for alloy ingot (regardless if the alloy ingot is listed in D1-4426)