

PROCESS APPROVAL MATRIX

Issue 44  
Aug 2013

	1	2	3	5	6	7	8	9	10	11	12	13	14	15	16	17	18	20	21	22	23	24	25	26	27	28	
<b>Treatment</b>	ISO 9000/AS 9100	Nadcap	Airbus UK	APPH (KLA Specs)	BAE (R Specs)	Boeing	Bombardier/ MPS/ BAPS	Bombardier/ P.Spec	Bombardier/ PPS	GE Aviation, Cheltenham	GE Aviation Propellers	Goodrich Actuation Systems - Wolves	Goodrich Engine Control Systems - B/ham	Goodrich Landing Gear - USA	Goodrich Power Systems - Pitstone Grn	Hamilton Sundstrand	Hawker Beechcraft (BAEP Specs)	HS Marston Aerospace	Messier-Dowty Gloucester (PS, PCS Specs etc.)	Messier-Dowty Toronto (DCMP Specs)	Moog Aircraft Group, Wolverhampton (formerly GE Wolve)	Parker Aerospace	Rolls-Royce	Rolls-Royce - Deutschland	Stork Fokker Gulfstream G650 programme	Westland (WHPS Specs)	
1 Alocrom/ Chromate Conversion	X	X	X		X	X <sup>2</sup>	X	X	X	X <sup>20</sup>	X <sup>20</sup>	X	X			X <sup>14</sup>	X	X	X		X	X <sup>33</sup>	X	X	X	X	X
2 Anodising Chromic	X	X	X		X	X <sup>3</sup>	X	X	X	X	X	X <sup>1</sup>	X		X	X <sup>14</sup>	X	X	X <sup>3</sup>		X		X	X	X	X	X
3 Anodising Sulphuric Titanium	X	X	X		X <sup>1</sup>							X <sup>1</sup>	X			X <sup>1</sup>	X	X	X <sup>3</sup>		X		X	X	X	X	X
4 Anodising Sulphuric Aluminium	X	X	X <sup>38</sup>						X	X	X <sup>1</sup>	X	X		X	X <sup>14</sup>	X	X	X <sup>9</sup>		X	X <sup>8</sup>	X	X	X	X	X
5 Bronze Plating	X								X	X <sup>16</sup>	X	X	X		X	X <sup>14</sup>	X	X	X		X		X	X			X
6 Cadmium Plating (65-90 ton)	X	X	X		X	X <sup>4</sup>	X	X	X	X	X	X	X		X	X <sup>14</sup>	X	X	X	X	X	X	X <sup>39</sup>	X <sup>39</sup>	X	X	X
7 Cadmium Plating (over 90 ton)	X	X	X		X	X <sup>4</sup>	X	X	X	X	X	X	X		X	X <sup>14</sup>	X	X	X <sup>32</sup>	X	X	X <sup>39</sup>	X <sup>39</sup>	X	X	X	X
8 Cadmium Plating (Under 65 ton)	X	X	X		X	X <sup>4</sup>	X	X	X	X	X	X	X		X	X <sup>14</sup>	X	X	X	X	X	X	X <sup>39</sup>	X <sup>39</sup>	X	X	X
9 Chromium Plating	X	X	X		X	X <sup>5</sup>		X	X	X	X	X	X		X	X <sup>14</sup>	X	X	X	X	X	X	X	X	X	X	X
10 Chromium Plating - Thin Dense											X									X							
11 Copper Plating	X	X	X		X	X <sup>6</sup>			X	X	X	X	X		X	X <sup>14</sup>	X	X	X		X		X	X	X	X	X
12 Etch Pre-Penetrant		X	X		X	X	X	X								X <sup>14</sup>		X					X	X			
13 Heat Treatment - De-embrittlement	X	X	X		X	X	X	X	X	X	X	X	X		X	X <sup>14</sup>	X	X			X		X	X	X	X	X
14 Heat Treatment - Stress Relief	X	X	X		X	X	X	X	X	X	X					X <sup>14</sup>	X	X			X		X	X	X	X	X
15 Nondestructive Testing - Etch Insp.	X	X	X		X	X	X	X	X	X	X	X	X		X		X	X	X	X	X	X	X	X	X	X	X
16 Nondestructive Testing - AFD	X	X	X		X												X										
17 Nondestructive Testing - Conductivity	X	X	X		X	X <sup>7</sup>	X	X	X								X									X	X
18 Nondestructive Testing - Grain Flow	X	X	X		X																						
19 Nondestructive Testing - Hardness	X	X	X		X	X <sup>7</sup>	X	X	X				X				X				X		X	X	X	X	X
20 Nondestructive Testing - MFD	X	X	X		X	X	X	X	X	X	X	X	X	X <sup>10</sup>	X	X <sup>14</sup>	X	X	X	X		X	X <sup>10</sup>	X	X	X	X <sup>21</sup>
21 Nondestructive Testing - PFD	X	X	X		X	X	X	X	X <sup>1</sup>	X <sup>1</sup>	X	X	X <sup>11</sup>	X	X <sup>14</sup>	X	X	X	X		X	X <sup>11</sup>	X	X	X	X	X
22 Nondestructive Testing - Visual												X								X							
23 Paint & Dry Film coatings	X	X	X		X	X <sup>36</sup>	X <sup>40</sup>	X	X	X	X	X	X <sup>9</sup>	X <sup>12</sup>	X		X <sup>18</sup>		X		X	X <sup>17</sup>	X <sup>19</sup>	X <sup>19</sup>	X	X <sup>23</sup>	
24 Passivation	X	X	X		X	X <sup>7</sup>	X <sup>1</sup>	X	X	X	X	X	X <sup>25</sup>	X <sup>13</sup>		X <sup>14</sup>	X	X	X <sup>24</sup>	X	X	X <sup>29</sup>			X	X	
25 Phosphating - Manganese	X	X	X		X				X	X	X				X	X <sup>14</sup>	X	X	X		X		X	X	X	X	X
26 Shot Peening	X																				X						

Approval is based on ability to conform the customer's specifications and controlled by APPH supplier

NOTES AND LIMITATIONS

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| <ul style="list-style-type: none"> <li>1. Although approved, we cannot comply at present.</li> <li>2. Approved for BAC 5719 &amp; MIL-C-5541.</li> <li>3. Classes 1, 3, and 4 to BAC 5019 and Type I to MIL-A-8625.</li> <li>4. Types I and II to QQ-P-416.</li> <li>5. Class 3 to BAC 5709.</li> <li>6. To BAC 5722 (No Gears) and MIL-C-14550.</li> <li>7. Approval not required</li> <li>8. To MIL-A-8625</li> <li>9. Grey Epoxide Paint Scheme to TI 37/11</li> <li>10. To ASTM E1444</li> <li>11. To ASTM E1417</li> <li>12. To M-F-18264</li> <li>13. To AMS QQ-P-35</li> <li>14. Approved to various industry specs. Refer to Quality dept.</li> <li>15. Excluding NGPS 14, 69, 185, 781, 821, 879 and 933.</li> <li>16. For stop-off only</li> <li>17. Alumizite Coating to BPS 4518.</li> <li>18. Primer painting and Polyurethane finish.</li> <li>19. RPS 407 Appendices 2, 14, 32 41 &amp; 54. RPS 661 Appendices 5, 6, 7, 9, 10, 11, 15, 16, 21, 25, 32 &amp; 50.</li> <li>20. Local application only</li> </ul> | <ul style="list-style-type: none"> <li>21. Vital Parts Only</li> <li>22. Blank</li> <li>23. To WHPS 014, 081 and 090.</li> <li>24. To DefStan 03-19 &amp; NGPS 257</li> <li>25. To DefStan 03-14 &amp; NGPS 259</li> <li>26. To DefStan 03-18, MIL-C-5541 &amp; NGPS 30</li> <li>27. To DefStan 03-24 &amp; NGPS 77</li> <li>28. To DefStan 03-25 &amp; NGPS 258</li> <li>29. To AMS QQ P 35 &amp; AMS2700</li> <li>30. Blank</li> <li>31. Blank</li> <li>32. Steels &lt; 1450 Mpa only</li> <li>33. To MIL-DTL-5541, Type 1</li> <li>34. To AMS 2700</li> <li>35. To TI 177/5 only</li> <li>36. Refer to process code listing on Boeing website</li> <li>37. Hot water seal only</li> <li>38. Awaiting approval to AIPS 0201004</li> <li>39. Unable to process corrosion resistant steels to RPS 170</li> <li>40. Not DFL</li> </ul> |
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