# Q-Checker 1.9.1 for CATIA V4 – Criteria overview

**The following criteria are available in Q-Checker 1.9.1 for CATIA V4:**

| FOLDER | CRITERION NAME | HEALING |
|---|---|---|
| Batch Criteria | 1. CATCLEAN Category 1 | Yes |
| | 2. CATCLEAN Category 2 | Yes |
| | 3. CATCLEAN Category 3 | Yes |
| | 4. Solid Updateable | Yes |
| | 5. View not updated | Yes |
| PreProcessing | 6. Analyse inertia of solids | No |
| | 7. Delete 3D-Texts | No |
| | 8. Force Update of Solids | No |
| | 9. Publish solids | No |
| | 10. Reframe the Current Screen | No |
| | 11. Set Color Table | No |
| | 12. Set/Reset GHOST Attribute for Parents of Solids | No |
| | 13. Specific Setting of Element Types to Layers | Yes |
| Internal Data Consistency | 14. Consistency of Attributes in current PROJECT Environment | Yes |
| | 15. Consistency of Dimensions and Texts in current PROJECT Environment | Yes |
| | 16. Consistency of Patterns in current PROJECT Environment | Yes |
| | 17. MODEL DIMENSION | No |
| | 18. Model Size | No |
| | 19. Model Standards | Yes |
| | 20. Model Tolerances | No |
| | 21. Model Unit | No |
| | 22. Permitted Combinations of INDEX and DATA | No |
| Norms and Standards\Saved Model State | 23. Current 2D/3D Working Mode | No |
| | 24. Current Axis System | Yes |
| | 25. Current Draft | Yes |
| | 26. Current Graphic Display Mode of the Model | Yes |
| | 27. Current Layer | Yes |
| | 28. Current Screen | Yes |
| | 29. Current Set | Yes |
| | 30. Current View | Yes |
| | 31. Current Window Definition | Yes |
| | 32. Current Working Mode | Yes |
| | 33. Current Workspace Layer-Filter | Yes |
| | 34. Current Workspace must be *MASTER | Yes |
| | 35. Identify Renumber | No |
| Norms and Standards\Graphic | 36. Color Mode by SET/LAYER/TYPE/VIEW | Yes |
| | 37. Element Color not NONE | Yes |
| | 38. Selected Graphic Attributes of Faces | Yes |
| | 39. Selected Graphic Attributes of Skins | Yes |
| | 40. Selected Graphic Attributes of Solids | Yes |

 

| FOLDER | CRITERION NAME | HEALING |
|---|---|---|
| | 41. Selected Graphic Attributes of Surfaces | Yes |
| | 42. Selected Graphic Attributes of Volumes | Yes |
| | 43. Selected Graphic Standard for Faces | Yes |
| | 44. Selected Graphic Standard of Draw Elementes | Yes |
| | 45. Selected Graphic Standard of Solids | No |
| | 46. Selected Graphic Standard of Space Elementes | Yes |
| | 47. Selected Graphic Standard of Surfaces | Yes |
| Norms and Standards\Texts | 48. Existence and Content of Texts | No |
| | 49. Iges-conform texts | No |
| | 50. Selected Standard of TEXTD2 Element Attributes | No |
| | 51. Selected Standard of TEXTD2 Standard | Yes |
| | 52. Selected TEXTD2 Element Attributes | Yes |
| | 53. Selected TEXTD2 Standard | Yes |
| Norms and Standards\COMMENT/Names | 54. Axis Name | Yes |
| | 55. Detail Name | No |
| | 56. Draft Name | No |
| | 57. Element Name | No |
| | 58. Filter Name | No |
| | 59. Law Name | Yes |
| | 60. Model COMMENT | No |
| | 61. Model Name | No |
| | 62. Screen Name | No |
| | 63. Set Name | No |
| | 64. Solid Names match MODEL Name | Yes |
| | 65. Symbol Name | No |
| | 66. Transformation Name | Yes |
| | 67. View Name | No |
| | 68. Window Name | No |
| Norms and Standards\Workspaces | 69. Compact/Standard Dittos | Yes |
| | 70. Compact/Standard Symbols | Yes |
| | 71. Detail used in Details | No |
| | 72. Identical Details | Yes |
| | 73. Identical Symbols | Yes |
| | 74. Library Detail | Yes |
| | 75. Library Symbol | Yes |
| | 76. Unused Details | Yes |
| | 77. Unused Symbol | Yes |
| Norms and Standards\Sets | 78. Allowed Sets in *MASTER Workspace | Yes |
| | 79. Empty Set | Yes |
| | 80. Only one Set in *MASTER Workspace | Yes |
| | 81. Set must exist in *MASTER Workspace | No |
| Norms and Standards\Drafts/Views | 82. AUXVIEW Type Views | No |
| | 83. Draft/View must exist | No |
| | 84. Drawing Frame/Header as Ditto | No |
| | 85. Empty View must exist | No |

 

| FOLDER | CRITERION NAME | HEALING |
|---|---|---|
| | 86. Empty Views | Yes |
| | 87. Only One Axis System in View | No |
| | 88. Only one Draft | No |
| | 89. Only one View in each Draft | No |
| | 90. Transparency Views | No |
| | 91. View Frames | No |
| | 92. View Scaling | No |
| | 93. View must exist on every Draft | No |
| Norms and Standards\Elements | 94. Axis System must exist in *MASTER Workspace | No |
| | 95. Conditional Feature Properties | No |
| | 96. Fake Dimensions | Yes |
| | 97. Identical 2D Dittos | Yes |
| | 98. Identical 3D Dittos | Yes |
| | 99. Isolated Dimension | Yes |
| | 100. Logically linked Elements (PARENTS) in PICK | Yes |
| | 101. Logically linked Elements (PARENTS) in SHOW | Yes |
| | 102. Model Splitting SPACE/DRAW | No |
| | 103. No Space Geometry outside Working Area | Yes |
| | 104. No isolated Faces/Surfaces | No |
| | 105. No unfixed Axis System | No |
| | 106. Permitted Element Types in Model | Yes |
| | 107. Permitted Element Types in NOPICK | Yes |
| | 108. Permitted Element Types in NOSHOW | Yes |
| | 109. Permitted Element Types in SHOW | Yes |
| | 110. Reverse Axis System | No |
| | 111. User Geometric Elements | Yes |
| Norms and Standards\Solids | 112. Allowed Solid Primitives | No |
| | 113. Imported Solids | No |
| | 114. Inactive Primitives in Solid | Yes |
| | 115. Missing Solid Construction History | No |
| | 116. Multi-Solid Part (Model) [G-MO-MU] | No |
| | 117. One Solid, at least, in model | No |
| | 118. Shared Base Geometry in Solids | No |
| | 119. Smart/Unsmart Solid | Yes |
| | 120. Solid Update | Yes |
| | 121. Unresolved Primitives in Solid | No |
| | 122. Unused Primitives in Solid | No |
| | 123. Unused Solid Construction Geometry | Yes |
| Norms and Standards\Layer and Filter | 124. Elements in NOSHOW on Layers | Yes |
| | 125. Elements in SHOW on Layers | Yes |
| | 126. Filters which contain no Entity on their visible Layers | Yes |
| | 127. Layer-Filter on Dittos | Yes |
| | 128. Layer-Filter on Views | Yes |
| | 129. Logically linked Elements (PARENTS) on same Layer | Yes |

 

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|---|---|---|
| | 130. Names of Filter and its visible Layers | Yes |
| | 131. Permitted Element Types on Layers | Yes |
| Geometry\Curves | 132. Embedded Curves and Points [G-CU-EM] | Yes |
| | 133. Fragmented Curve [G-CU-FG] | No |
| | 134. High-Degree Curve [G-CU-HD] | No |
| | 135. Indistinct Knots in NURBS Curve [G-CU-IK] | No |
| | 136. Large Curve Segment Gaps (G0 Discontinuity) [G-CU-LG] | No |
| | 137. Non-Smooth Curve Segments (G2 Discontinuity) [G-CU-NS] | No |
| | 138. Non-Tangent Curve Segments (G1 Discontinuity) [G-CU-NT] | No |
| | 139. Self-Intersecting Curve [G-CU-IS] | No |
| | 140. Small Curve Radius of Curvature [G-CU-CR] | No |
| | 141. Tiny Curve Segment [G-CU-TI] | No |
| | 142. Tiny Curve [G-CU-TI] | Yes |
| | 143. Wavy Planar Curve [G-CU-WV] | No |
| Geometry\Surfaces | 144. Degenerate Surface Segment Boundary [G-SU-DC] | No |
| | 145. Degenerate Surface Segment Corner [G-SU-DP] | No |
| | 146. Embedded Surfaces [G-SU-EM] | Yes |
| | 147. Folded Surface [G-SU-FO] | No |
| | 148. Fragmented Surface [G-SU-FG] | No |
| | 149. High Number of Control Points in NURBS Surface [G-SU-xx] | No |
| | 150. High-Degree Surface [G-SU-HD] | No |
| | 151. Indistinct Knots in NURBS Surface [G-SU-IK] | No |
| | 152. Large Surface Segment Gaps (G0 Discontinuity) [G-SU-LG] | No |
| | 153. Narrow Surface Segment [G-SU-NA,G-SU-RN] | No |
| | 154. Non-Smooth Surface Segments (G2 Discontinuity) [G-SU-NS] | No |
| | 155. Non-Tangent Surface Segments (G1 Discontinuity) [G-SU-NT] | No |
| | 156. Small Surface Radius of Curvature [G-SU-CR] | No |
| | 157. Tiny Surface [G-SU-TI] | Yes |
| | 158. Undefined Surface Normal [G-SU-xx] | No |
| | 159. Unused Surface Segment Rows [G-SU-UN] | No |
| | 160. Wavy Surface [G-SU-WV] | No |
| Geometry\Face Edges | 161. Fragmented Face Edge [G-ED-FG] | No |
| | 162. Large Face Edge Segment Gap [G-ED-LG] | No |
| | 163. Tiny Face Edge Segment [G-ED-TI] | No |
| | 164. Tiny Face Edge [G-ED-TI] | No |
| Geometry\Face Loops | 165. Inconsistent Face Edge Orientation in Loop [G-LO-IT] | No |
| | 166. Large Face Edge Gap [G-LO-LG] | No |
| | 167. Self-Intersecting Face Loop [G-LO-IS,G-FA-IS] | No |

 

| FOLDER | CRITERION NAME | HEALING |
|---|---|---|
| | 168. Sharp Face Edge Angle [G-LO-SA] | No |
| Geometry\Faces | 169. Embedded Faces [G-FA-EM] | Yes |
| | 170. Large Face Edge to Surface Gap [G-FA-EG] | No |
| | 171. Narrow Face [G-FA-NA,G-FA-RN] | Yes |
| | 172. Tiny Face [G-FA-TI] | Yes |
| Geometry\Shells/Volumes | 173. Calculation of Shells/Volumes [G-SH-xx] | No |
| | 174. Inconsistent Surface Orientation on Shell/Volume [G-FA-IT,G-SH-IT] | Yes |
| | 175. Large Face Gaps (G0 Discontinuity) [G-SH-LG] | No |
| | 176. Non-Smooth Faces (G2 Discontinuity) [G-SH-NS] | No |
| | 177. Non-Tangent Faces (G1 Discontinuity) [G-SH-NT] | No |
| | 178. Open or Overlapping Shell/Volume [G-SH-FR] | No |
| | 179. Over-Used Edge [G-SH-NM] | No |
| | 180. Sharp Face Angle [G-SH-SA] | No |
| Geometry\Solid/SKD\Surfaces | 181. Degenerate Surface Segment Boundary in Solid/SKD [G-SU-DC] | No |
| | 182. Degenerate Surface Segment Corner in Solid/SKD [G-SU-DP] | No |
| | 183. Embedded Surfaces in Solid/SKD [G-SU-EM] | No |
| | 184. Folded Surface in Solid/SKD [G-SU-FO] | No |
| | 185. Fragmented Surface in Solid/SKD [G-SU-FG] | No |
| | 186. High Number of Control Points in NURBS Surface in Solid/SKD [G-SU-xx] | No |
| | 187. High-Degree Surface in Solid/SKD [G-SU-HD] | No |
| | 188. Indistinct Knots in NURBS Surface in Solid/SKD [G-SU-IK] | No |
| | 189. Large Surface Segment Gaps (G0 Discontinuity) in Solid/SKD [G-SU-LG] | No |
| | 190. Narrow Surface Segment in Solid/SKD [G-SU-NA,G-SU-RN] | No |
| | 191. Non-Smooth Surface Segments (G2 Discontinuity) in Solid/SKD [G-SU-NS] | No |
| | 192. Non-Tangent Surface Segments (G1 Discontinuity) in Solid/SKD [G-SU-NT] | No |
| | 193. Small Surface Radius of Curvature in Solid/SKD [G-SU-CR] | No |
| | 194. Tiny Surface in Solid/SKD [G-SU-TI] | No |
| | 195. Undefined Surface Normal in Solid/SKD [G-SU-xx] | No |
| | 196. Unused Surface Segment Rows in Solid/SKD [G-SU-UN] | No |
| | 197. Wavy Surface in Solid/SKD [G-SU-WV] | No |
| Geometry\Solid/SKD\Face Edges | 198. Fragmented Face Edge in Solid/SKD [G-ED-FG] | No |
| | 199. Large Face Edge Segment Gap in Solid/SKD [G-ED-LG] | No |
| | 200. Tiny Face Edge Segment in Solid/SKD [G-ED-TI] | No |
| | 201. Tiny Face Edge in Solid/SKD [G-ED-TI] | No |

 

| FOLDER | CRITERION NAME | HEALING |
|---|---|---|
| Geometry\Solid/SKD\Face Loops | 202. Inconsistent Face Edge Orientation in Loop in Solid/SKD [G-LO-IT] | No |
| | 203. Large Face Edge Gap in Solid/SKD [G-LO-LG] | No |
| | 204. Self-Intersecting Face Loop in Solid/SKD [G-LO-IS,G-FA-IS] | No |
| | 205. Sharp Face Edge Angle in Solid/SKD [G-LO-SA] | No |
| Geometry\Solid/SKD\Faces | 206. Embedded Faces in Solid/SKD [G-FA-EM] | No |
| | 207. Large Face Edge to Surface Gap in Solid/SKD [G-FA-EG] | No |
| | 208. Narrow Face in Solid/SKD [G-FA-NA,G-FA-RN] | No |
| | 209. Tiny Face in Solid/SKD [G-FA-TI] | No |
| Geometry\Solid/SKD\Shells/Volumes | 210. Inconsistent Surface Orientation on Shell/Volume in Solid/SKD [G-FA-IT,G-SH-IT] | No |
| | 211. Large Face Gaps (G0 Discontinuity) in Solid/SKD [G-SH-LG] | No |
| | 212. Non-Smooth Faces (G2 Discontinuity) in Solid/SKD [G-SH-NS] | No |
| | 213. Non-Tangent Faces (G1 Discontinuity) in Solid/SKD [G-SH-NT] | No |
| | 214. Open or Overlapping Shell/Volume in Solid/SKD [G-SH-FR] | No |
| | 215. Over-Used Edge in Solid/SKD [G-SH-NM] | No |
| | 216. Over-Used Vertex in Solid/SKD [G-SH-OU] | No |
| | 217. Self-Intersecting Shell/Volume in Solid/SKD [G-SH-IS,G-SO-IS] | No |
| | 218. Sharp Face Angle in Solid/SKD [G-SH-SA] | No |
| Geometry\Solid/SKD\General | 219. Embedded Solids [G-SO-EM] | Yes |
| | 220. Multi-Volume Solid [G-SO-MU] | No |
| | 221. Solid Void [G-SO-VO] | No |
| | 222. Tiny Solid [G-SO-TI] | Yes |
| Geometry\Drawing | 223. Embedded Drawing Elements [G-DW-EM] | Yes |
| | 224. High-Degree Drawing Element [G-DW-HD] | No |
| | 225. Tiny Drawing Element Segment [G-DW-TI] | No |
| | 226. Tiny Drawing Element [G-DW-TI] | Yes |

 