

The following criteria are available in Q-Checker 1.16.8 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. No Coherence Between the Model and the Current PROJECT	No
	23. Permitted Combinations of INDEX and DATA	No
Norms and Standards\Saved Model State	24. Current 2D/3D Working Mode	No
	25. Current Axis System	Yes
	26. Current Draft	Yes
	27. Current Graphic Display Mode of the Model	Yes
	28. Current Layer	Yes
	29. Current Screen	Yes
	30. Current Set	Yes
	31. Current View	Yes
	32. Current Window Definition	Yes
	33. Current Working Mode	Yes
	34. Current Workspace Layer-Filter	Yes
	35. Current Workspace must be *MASTER	Yes
	36. Identify Renumber	No
	37. Non-Allowed CATIA Version and Release	No
	38. Non-Allowed Last Modification Date of Document	No
Norms and Standards\Graphic	39. Color Mode by SET/LAYER/TYPERVIEW	Yes

FOLDER	CRITERION NAME	HEALING
	40. Element Color not NONE	Yes
	41. Empty Shapes	No
	42. Non-Allowed Solid Primitive Color	No
	43. Selected Graphic Attributes of Faces	Yes
	44. Selected Graphic Attributes of Skins	Yes
	45. Selected Graphic Attributes of Solids	Yes
	46. Selected Graphic Attributes of Surfaces	Yes
	47. Selected Graphic Attributes of Volumes	Yes
	48. Selected Graphic Standard for Faces	Yes
	49. Selected Graphic Standard of Draw Elementes	Yes
	50. Selected Graphic Standard of Solids	No
	51. Selected Graphic Standard of Space Elementes	Yes
	52. Selected Graphic Standard of Surfaces	Yes
Norms and Standards\Texts	53. Existence and Content of Texts	No
	54. Iges-conform texts	No
	55. Selected Standard of TEXTD2 Element Attributes	No
	56. Selected Standard of TEXTD2 Standard	Yes
	57. Selected TEXTD2 Element Attributes	Yes
	58. Selected TEXTD2 Standard	Yes
Norms and Standards\COMMENT/Names	59. Axis Name [O-CS-CN]	Yes
	60. Detail Name	No
	61. Draft Name	Yes
	62. Element Name	Yes
	63. Filter Name	No
	64. Law Name	Yes
	65. Model COMMENT	No
	66. Model Name	No
	67. Screen Name	No
	68. Set Name	No
	69. Solid Names match MODEL Name	Yes
	70. Symbol Name	No
	71. Transformation Name	Yes
	72. VIEW Name Must Match DRAFT Name	No
	73. View Name	Yes
	74. Window Name	No
Norms and Standards\Workspaces	75. Compact/Standard Dittos	Yes
	76. Compact/Standard Symbols	Yes
	77. Detail used in Details	No
	78. Identical Details	Yes
	79. Identical Symbols	Yes
	80. Library Detail	Yes
	81. Library Symbol	Yes
	82. Unused Details	Yes
	83. Unused Symbol	Yes
Norms and Standards\Sets	84. Allowed Sets in *MASTER Workspace	Yes

## Q-Checker 1.16.8 for CATIA V4 – Criteria overview



FOLDER	CRITERION NAME	HEALING
	85. Empty Set	Yes
	86. Only one Set in *MASTER Workspace	Yes
	87. Set must exist in *MASTER Workspace	No
Norms and Standards\Drafts/Views	88. AUXVIEW Type Views	No
	89. Copied View	No
	90. Draft/View must exist	No
	91. Drawing Frame/Header as Ditto	No
	92. Empty View must exist	No
	93. Empty Views	Yes
	94. Existence and Filling of Attributes Assigned to Ditto	No
	95. Only One Axis System in View	No
	96. Only one Draft	No
	97. Only one View in each Draft	No
	98. Transparency Views	No
	99. View Frames [D-OR-VF]	No
	100. View Scaling	No
	101. View must exist on every Draft	No
Norms and Standards\Elements\General	102. Axis System must exist in *MASTER Workspace	No
	103. Conditional Feature Properties	No
	104. Identical 3D Dittos	Yes
	105. Logically linked Elements (PARENTS) in PICK	Yes
	106. Logically linked Elements (PARENTS) in SHOW	Yes
	107. Model Splitting SPACE/DRAW	No
	108. No Space Geometry outside Working Area [O-CM-OB]	Yes
	109. No isolated Faces/Surfaces	No
	110. No unfixed Axis System	No
	111. Permitted Element Types in Model	Yes
	112. Permitted Element Types in NOPICK	Yes
	113. Permitted Element Types in NOSHOW	Yes
	114. Permitted Element Types in SHOW	Yes
	115. Reverse Axis System	No
	116. Specific Attributes Not Applied to Element	No
	117. User Geometric Elements	Yes
Norms and Standards\Elements\Drawing	118. Fake Dimensions	Yes
	119. Identical 2D Dittos	Yes
	120. Isolated Dimension	Yes
Norms and Standards\Solids	121. Allowed Solid Primitives	No
	122. Imported Solids	No
	123. Inactive Primitives in Solid	Yes
	124. Missing Solid Construction History	No
	125. Multi-Solid Part (Model) [G-MO-MU]	No
	126. One Solid, at least, in model	No
	127. Shared Base Geometry in Solids	No
	128. Smart/Unsmart Solid	Yes

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	129. Solid Update	Yes
	130. Unresolved Primitives in Solid	No
	131. Unused Primitives in Solid	No
	132. Unused Solid Construction Geometry	Yes
Norms and Standards\Layer and Filter	133. Elements in NOSHOW on Layers	Yes
	134. Elements in SHOW on Layers	Yes
	135. Filters which contain no Entity on their visible Layers	Yes
	136. Layer-Filter on Dittos	Yes
	137. Layer-Filter on Views	Yes
	138. Logically linked Elements (PARENTS) on same Layer	Yes
	139. Names of Filter and its visible Layers	Yes
	140. Permitted Element Types on Layers	Yes
Geometry\Curves	141. Embedded Curves and Points [G-CU-EM]	Yes
	142. Fragmented Curve [G-CU-FG]	No
	143. High-Degree Curve [G-CU-HD]	No
	144. Indistinct Knots in NURBS Curve [G-CU-IK]	No
	145. Large Curve Segment Gaps (G0 Discontinuity) [G-CU-LG]	No
	146. Linear Curves with Polynomial Degree greater than 1 [G-CU-ID]	No
	147. Non-Smooth Curve Segments (G2 Discontinuity) [G-CU-NS]	No
	148. Non-Tangent Curve Segments (G1 Discontinuity) [G-CU-NT]	No
	149. Self-Intersecting Curve [G-CU-IS]	No
	150. Small Curve Radius of Curvature [G-CU-CR]	No
	151. Tiny Curve Segment [G-CU-TI]	No
	152. Tiny Curve [G-CU-TI]	Yes
	153. Wavy Planar Curve [G-CU-WV]	No
Geometry\Surfaces	154. Big Surface Radius of Curvature [G-SU-CR]	No
	155. Degenerate Surface Segment Boundary [G-SU-DC]	No
	156. Degenerate Surface Segment Corner [G-SU-DP]	No
	157. Embedded Surfaces [G-SU-EM]	Yes
	158. Folded Surface [G-SU-FO]	No
	159. Fragmented Surface [G-SU-FG]	No
	160. High Number of Control Points in NURBS Surface [G-SU-xx]	No
	161. High-Degree Surface [G-SU-HD]	No
	162. Indistinct Knots in NURBS Surface [G-SU-IK]	No
	163. Large Surface Segment Gaps (G0 Discontinuity) [G-SU-LG]	No
	164. Multi-Face Surface [G-SU-MU]	No
	165. Narrow Surface Segment [G-SU-NA,G-SU-RN]	No
	166. Non-Smooth Surface Segments (G2 Discontinuity) [G-SU-NS]	No

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	167. Non-Tangent Surface Segments (G1 Discontinuity) [G-SU-NT]	No
	168. Small Surface Radius of Curvature [G-SU-CR]	No
	169. Tiny Surface [G-SU-TI]	Yes
	170. Non-Uniform Polynomial Degree of Patches in Surfaces [G-SU-xx]	No
	171. Planar Surfaces With Polynomial Degree Greater Than 1 [G-SU-xx]	No
	172. Undefined Surface Normal [G-SU-xx]	No
	173. Unused Surface Segment Rows [G-SU-UN]	No
	174. Wavy Surface [G-SU-WV]	No
Geometry\Face Edges	175. Closed Face Edge[G-ED-CL]	No
	176. Fragmented Face Edge [G-ED-FG]	No
	177. Large Face Edge Segment Gap [G-ED-LG]	No
	178. Tiny Face Edge Segment [G-ED-TI]	No
	179. Tiny Face Edge [G-ED-TI]	No
Geometry\Face Loops	180. Inconsistent Face Edge Orientation in Loop [G-LO-IT]	No
	181. Large Face Edge Gap [G-LO-LG]	No
	182. Self-Intersecting Face Loop [G-LO-IS,G-FA-IS]	No
	183. Sharp Face Edge Angle [G-LO-SA]	No
Geometry\Faces	184. Closed Face[G-FA-CL]	No
	185. Embedded Faces [G-FA-EM]	Yes
	186. Large Face Edge to Surface Gap [G-FA-EG]	No
	187. Narrow Face [G-FA-NA,G-FA-RN]	Yes
	188. Relative Narrow Face	No
	189. Tiny Face [G-FA-TI]	Yes
Geometry\Shells/Volumes	190. Calculation of Shells/Volumes [G-SH-xx]	No
	191. Inconsistent Surface Orientation on Shell/Volume [G-FA-IT,G-SH-IT]	Yes
	192. Large Face Gaps (G0 Discontinuity) [G-SH-LG]	No
	193. Non-Smooth Faces (G2 Discontinuity) [G-SH-NS]	No
	194. Non-Tangent Faces (G1 Discontinuity) [G-SH-NT]	No
	195. Open or Overlapping Shell/Volume [G-SH-FR]	No
	196. Over-Used Edge [G-SH-NM]	No
	197. Over-Used Vertex [G-SH-OU]	No
	198. Self-Intersecting Volume/Skin [G-SH-IS,G-SO-IS]	No
	199. Sharp Face Angle [G-SH-SA]	No
Geometry\Solid/SKD\Surfaces	200. Big Surface Radius of Curvature in Solid/SKD [G-SU-CR]	No
	201. Degenerate Surface Segment Boundary in Solid/SKD [G-SU-DC]	No
	202. Degenerate Surface Segment Corner in Solid/SKD [G-SU-DP]	No
	203. Embedded Surfaces in Solid/SKD [G-SU-EM]	No
	204. Folded Surface in Solid/SKD [G-SU-FO]	No
	205. Fragmented Surface in Solid/SKD [G-SU-FG]	No

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	206. High Number of Control Points in NURBS Surface in Solid/SKD [G-SU-xx]	No	
	207. High-Degree Surface in Solid/SKD [G-SU-HD]	No	
	208. Indistinct Knots in NURBS Surface in Solid/SKD [G-SU-IK]	No	
	209. Large Surface Segment Gaps (G0 Discontinuity) in Solid/SKD [G-SU-LG]	No	
	210. Multi-Face Surface in Solid/SKD [G-SU-MU]	No	
	211. Narrow Surface Segment in Solid/SKD [G-SU-NA,G-SU-RN]	No	
	212. Non-Smooth Surface Segments (G2 Discontinuity) in Solid/SKD [G-SU-NS]	No	
	213. Non-Tangent Surface Segments (G1 Discontinuity) in Solid/SKD [G-SU-NT]	No	
	214. Planar Surfaces with Polynomial Degree greater than 1 in Solid/SKD [G-SU-xx]	No	
	215. Small Surface Radius of Curvature in Solid/SKD [G-SU-CR]	No	
	216. Tiny Surface in Solid/SKD [G-SU-TI]	No	
	217. Undefined Surface Normal in Solid/SKD [G-SU-xx]	No	
	218. Unused Surface Segment Rows in Solid/SKD [G-SU-UN]	No	
	219. Wavy Surface in Solid/SKD [G-SU-WV]	No	
	Geometry\Solid/SKD\Face Edges	220. Closed Face Edge in Solid/SKD [G-ED-CL]	No
		221. Fragmented Face Edge in Solid/SKD [G-ED-FG]	No
		222. Large Face Edge Segment Gap in Solid/SKD [G-ED-LG]	No
		223. Tiny Face Edge Segment in Solid/SKD [G-ED-TI]	No
		224. Tiny Face Edge in Solid/SKD [G-ED-TI]	No
Geometry\Solid/SKD\Face Loops	225. Inconsistent Face Edge Orientation in Loop in Solid/SKD [G-LO-IT]	No	
	226. Large Face Edge Gap in Solid/SKD [G-LO-LG]	No	
	227. Self-Intersecting Face Loop in Solid/SKD [G-LO-IS,G-FA-IS]	No	
	228. Sharp Face Edge Angle in Solid/SKD [G-LO-SA]	No	
Geometry\Solid/SKD\Faces	229. Closed Face in Solid/SKD [G-FA-CL]	No	
	230. Embedded Faces in Solid/SKD [G-FA-EM]	No	
	231. Large Face Edge to Surface Gap in Solid/SKD [G-FA-EG]	No	
	232. Narrow Face in Solid/SKD [G-FA-NA,G-FA-RN]	No	
	233. Relative Narrow Face in Solid/SKD	No	
	234. Tangent-Continuous Narrow Face in Solid/SKD [G-FA-NA,G-FA-RN]	No	

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	235. Tiny Face in Solid/SKD [G-FA-TI]	No
Geometry\Solid/SKD\Shells/Volumes	236. Inconsistent Surface Orientation on Shell/Volume in Solid/SKD [G-FA-IT,G-SH-IT]	No
	237. Large Face Gaps (G0 Discontinuity) in Solid/SKD [G-SH-LG]	No
	238. Non-Smooth Faces (G2 Discontinuity) in Solid/SKD [G-SH-NS]	No
	239. Non-Tangent Faces (G1 Discontinuity) in Solid/SKD [G-SH-NT]	No
	240. Open or Overlapping Shell/Volume in Solid/SKD [G-SH-FR]	No
	241. Over-Used Edge in Solid/SKD [G-SH-NM]	No
	242. Over-Used Vertex in Solid/SKD [G-SH-OU]	No
	243. Self-Intersecting Shell/Volume in Solid/SKD [G-SH-IS,G-SO-IS]	No
	244. Sharp Face Angle in Solid/SKD [G-SH-SA]	No
Geometry\Solid/SKD\General	245. Embedded Solids [G-SO-EM]	Yes
	246. Multi-Volume Solid [G-SO-MU]	No
	247. Solid Void [G-SO-VO]	No
	248. Tiny Solid [G-SO-TI]	Yes
Geometry\Drawing	249. Embedded Drawing Elements [G-DW-EM]	Yes
	250. High-Degree Drawing Element [G-DW-HD]	No
	251. Tiny Drawing Element Segment [G-DW-TI]	No
	252. Tiny Drawing Element [G-DW-TI]	Yes