

The following criteria are available in Q-Checker 2.4.2 for CATIA V5:

FOLDER	CRITERION NAME	HEALING
Batch Criteria	1. CATDUAV5 Priority 1	No
	2. CATDUAV5 Priority 2	No
	3. CATDUAV5 Priority 3	No
	4. DataLifeCycle CATDUA	No
PreProcessing	5. Fit All In	No
	6. Recompute the Tool Path for Machining Operations	No
Norms and Standards\Saved Model State	7. Current Axis System	Yes
	8. Current Window View	Yes
	9. Current Work Object is PartBody	Yes
	10. Maximum Document File Size	No
	11. Non-Allowed CATIA Version and Release	No
	12. Non-Allowed Educational Licence	No
	13. Product/Part Document update	Yes
Norms and Standards\Graphic	14. Non-Allowed B-Rep/Feature Color	Yes
	15. Non-Allowed B-Rep/Feature Transparency	Yes
Norms and Standards\Settings	16. Display in Specification Tree	Yes
	17. Magnitude Length	No
Norms and Standards\Texts	18. Existence and Content of Applicative Feature Attribute	No
	19. Existence and Content of Texts	No
	20. Existence and Text Content of Parameters in CATDrawing Documents	No
	21. Existence and Text Content of Parameters in CATPart Documents	No
	22. Existence and Text Content of Parameters in CATProduct Documents	No
	23. Feature without Annotation Note	No
	24. Not Allowed Formula Value	No
	25. Parameter Not Linked to Text	No
	26. Permitted Text Fonts	Yes
	27. Selected Text/Dimension Attributes	Yes
	28. Text Not Linked to Parameter	No
Norms and Standards\Description/Names	29. Axis-System Name [O-CS-CN]	Yes
	30. CATDrawing Document Name	No
	31. CATPart Document Name	No
	32. CATProduct Document Name	No
	33. Detail-Sheet Name	Yes
	34. Detail-View Name	Yes
	35. Document Description	No
	36. Element Name	Yes
	37. Filter Name	No
	38. Instance Name must match Part Name	Yes
	39. Layer Name	No
	40. Model Definition	No
	41. Model Name	No

FOLDER	CRITERION NAME	HEALING
	42. Model Nomenclature	No
	43. Model Revision	No
	44. Model Source	No
	45. Non-Standard Feature Name [O-EL-EN]	No
	46. Product Component Name	No
	47. Product Component Name Must Match Associated File Name	No
	48. Published Element Name	No
	49. Published Name Must Match Published Element Name	No
	50. Result Element Name Must Match Body Name	Yes
	51. Root Part Name (Part Number) must match CATPart File Name	Yes
	52. Root Product Name must match CATProduct File Name	Yes
	53. Root-Part Name (Part Number)	Yes
	54. Root-Product Name	Yes
	55. Sheet Name	Yes
	56. Solid Names match CATPart Name	Yes
	57. View Name	Yes
	58. View Name Must Match Sheet Name	No
	Norms and Standards\Sheets/Views	59. Active Sheet
60. CATPart/CATProduct Name linked by View must match Drawing Name		No
61. Detail used in Details		No
62. Drawing Frame/Header as 2D Component		No
63. Empty Detail Sheets		Yes
64. Empty Detail Views		Yes
65. Empty Sheets		Yes
66. Empty View must exist		No
67. Empty Views		Yes
68. Locked Views		No
69. Model Drafting Standard Corresponds to Reference Document Standard		No
70. Model Drafting Standard Name		No
71. No active Background Detail View		Yes
72. No active Background View		Yes
73. No active Detail View in Detail Sheet		Yes
74. No active View in Sheet		Yes
75. Non-Exposed 2D-Component		Yes
76. Only one Sheet per Drawing		No
77. Only one View in each Sheet		No
78. Permitted Generative View Style		
79. Sheet Format		No
80. Sheet Frame		No
81. Sheet Must Exist		No
82. Sheet Projection Method		No
83. Sheet/View must exist		No

FOLDER	CRITERION NAME	HEALING
	84. Unused Details	Yes
	85. View Angle	Yes
	86. View Frame Visibility	Yes
	87. View Frames [D-OR-VF]	No
	88. View Name is the Same in Specification Tree and in the View	No
	89. View Outside of Sheet	No
	90. View Scaling	No
	91. View Update	Yes
	92. View not linked to CATPart/CATProduct	No
	93. View with broken link to CATPart/CATProduct	No
Norms and Standards\Elements\General	94. Activated Feature	No
	95. Allowed Axis-System Position	No
	96. Conditional Feature Properties	Yes
	97. Deactivated Feature	Yes
	98. Elements in specific Bodies Must Be Published	No
	99. Empty Body	Yes
	100. Empty Body Must Exist	No
	101. Empty Sketch	Yes
	102. Maximum Number of Elements	No
	103. No Space Geometry Outside Working Area [O-CM-OB]	Yes
	104. Non-Allowed Associative Feature	Yes
	105. Non-Allowed Sketch Constraint Types	No
	106. Non-Allowed Sketch Position Type	No
	107. Non-Reference Axis System Active [O-CS-NR]	Yes
	108. Non-Standard Axis System [O-CS-NO]	No
	109. Permitted Element Types in Model	Yes
	110. Permitted Element Types in NOPICK	Yes
111. Permitted Element Types in NOSHOW	Yes	
112. Permitted Element Types in SHOW	Yes	
113. Permitted Surface Feature Types in Specific Bodies	No	
114. The Same Feature Registered in More Than One Body [O-GL-IG]	No	
115. Unresolved Feature	No	
116. User defined Feature [O-EL-UD]	No	
117. Visualization Status of Published Entities	Yes	
Norms and Standards\Elements\Drawing	118. Fake Dimensions	Yes
	119. Identical 2D Components	Yes
	120. Non Associative Dimensions (on 3D)	Yes
	121. Non Associative Drawing Entities (on 3D)	Yes
	122. Non up-to-date Dimensions	Yes
123. Non-Standard Display Accuracy of Dimension [D-OR-DI]	Yes	
Norms and Standards\Solids	124. Allowed Solid Features	No
	125. Maximum Number of Solid Features per Body	No
	126. Missing Solid Construction History [O-SO-MH]	No

FOLDER	CRITERION NAME	HEALING
	127. Multi-Solid Part (Model) [G-MO-MU]	No
	128. Negative Bodies / Sub-Bodies	No
	129. One Solid, at least, in Part	No
	130. Only one Profile per Solid Feature	No
	131. Solid Feature with Child Elements	No
	132. Solid Update	Yes
	133. Unused Solid Construction Geometry	No
Norms and Standards\Material	134. Material Assignment Must Exist for Element Type	No
	135. Material Assignment is Allowed for Element Type	No
	136. Material Corresponds to Material Reference Catalog	No
Norms and Standards\Layer and Filter	137. Current Filter for Layer Group [O-GL-LA]	Yes
	138. Elements in NOSHOW on Layers	Yes
	139. Elements in SHOW on Layers	Yes
	140. Filter and Layer Definition	No
	141. Filter used [O-GL-GL]	No
	142. Permitted Element Types on Layers	Yes
Methodology\CATProduct	143. Assembly Constraints Must Reference Published Elements	No
	144. At least one Constraint per Product	No
	145. Degree of Freedom of Product Components Equals Zero	No
	146. Flexible Product/Structure Component	No
	147. Kinematics Degree of Freedom of Mechanism Equals Zero	No
	148. Non-Allowed Path for Linked Document	No
	149. Non-Allowed Shape Component Type	No
	150. Non-Identity Positioning Matrix	No
	151. Non-Isometric Positioning Matrix	No
	152. Product Clash Detection	No
	153. Product component with broken link to CATPart/CATProduct	No
	154. Structure of CATProduct Specification Tree	No
	155. The Same Feature Registered in More Than One DMU-Group [O-GL-IG]	No
	156. User Defined Properties not Applied to Part Component	No
Methodology\CATPart	157. Area Ratio of Surfaces in Specific Bodies	No
	158. Associative Elements (Parent/Children) in Specific Bodies	No
	159. Center of Gravity	No
	160. Constraints Referencing the H or V Axis	No
	161. Coordinates-Point Definition	No
	162. Elements without Child Elements in specific Bodies	Yes
	163. Feature Must Exist in Specific Bodies	No
	164. Features with External Links (Multi-Model-Link) in CATPart	Yes
	165. Inverted Surface Orientation Corresponds to Thick Surface Orientation	Yes
	166. Join Definition	No
	167. MML (Multi-Model-Link) Reference Not Published	No
	168. Material Orientation corresponds to Surface Orientation	Yes

FOLDER	CRITERION NAME	HEALING
	169. Non-Allowed Component Formula in CATPart	Yes
	170. Non-Allowed Solid Feature Mixed With Boolean Feature	No
	171. Not Allowed Parent/Child Relationship	No
	172. Not-Allowed Path of Parent Feature	No
	173. Offset Capability (Thick Surface) of Thin Parts	No
	174. Only one Curve in Sketch	No
	175. Only one Surface allowed in specific Bodies	No
	176. Open Body in Body	No
	177. Permitted Body for non-associative Datum Features	No
	178. Saving as V4 Data	No
	179. Sketch Not Fully Constrained	No
	180. Structure of CATPart Specification Tree	Yes
	181. Surface Must Have Thin Part Attribute in Specific Bodies	No
	182. Surface must exist in specific Bodies	No
	183. Thick Surface Definition	No
	184. Thin Part Orientation corresponds to Surface Orientation	No
185. Thread Definition	No	
186. User Defined Properties not Applied to Part	Yes	
Methodology\CATAnalysis	187. Non-Allowed OCTREE Tetrahedron Mesh Element Type	No
Methodology\FT/A	188. Active Capture	No
	189. Allowed FT/A Dimension Unit	No
	190. FT/A Fake Dimensions	Yes
	191. FT/A Reference System Must Exist	Yes
	192. FT/A Tolerancing Standard	No
	193. FT/A Type Must Lie in a Specific Capture	Yes
	194. Geometry Linked to FT/A in NOSHOW	Yes
	195. Non-Allowed Activation Status of Annotation Set	No
	196. Non-Allowed Semantic/Non-Semantic FT/A Elements	No
197. Permitted FT/A Type in Specific Capture	No	
Methodology\Sheetmetal	198. Conical Bend Definition	No
	199. Cylindrical Bend Definition	No
	200. Fold/Unfold-Sheet Metal Visualization	No
Methodology\Composite	201. Composite Design Material	No
	202. Ply Definition	No
	203. Ply Surface Must Match PlyGroup Surface	No
Methodology\Electrics	204. Electrical Topology	No
	205. Lost Electrical Properties of Curve	No
	206. Support Plane must be Parallel to Reference Plane	No
	207. Unused Electrical Elements in CATPart	Yes
	208. Unused Electrical Elements in CATProduct	No
Methodology\General	209. Deactivated Knowledgeware Relation	No
	210. Unresolved (Non-Synchronized) Knowledgeware Relation	No
Geometry\Curve Features\Curves	211. Fragmented Curve [G-CU-FG]	No
	212. High-Degree Curve [G-CU-HD]	No
	213. Indistinct Knots in NURBS Curve [G-CU-IK]	No

FOLDER	CRITERION NAME	HEALING
	214. Large Curve Segment Gaps (G0 Discontinuity) [G-CU-LG]	No
	215. Linear Curves with Polynomial Degree greater than 1 [G-CU-ID]	No
	216. Non-Smooth Curve Segments (G2 Discontinuity) [G-CU-NS]	No
	217. Non-Tangent Curve Segments (G1 Discontinuity) [G-CU-NT]	No
	218. Small Curve Radius of Curvature [G-CU-CR]	No
	219. Tiny Curve Segment [G-CU-TI]	No
	220. Tiny Curve [G-CU-TI]	No
	221. Wavy Planar Curve [G-CU-WV]	No
Geometry\Curve Features\Wires	222. Embedded Wires and Points [G-CU-EM]	No
	223. Large Curve Gaps (G0 Discontinuity) [G-CU-LG]	No
	224. Non-Smooth Curves (G2 Discontinuity) [G-CU-NS]	No
	225. Non-Tangent Curves (G1 Discontinuity) [G-CU-NT]	No
	226. Self-Intersecting Wire [G-CU-IS]	No
	227. Tiny Wire [G-CU-TI]	No
Geometry\Curve Features\General	228. Multi-Domain Curve [G-CU-MU]	No
Geometry\Solid\Surface Features\Surfaces	229. Analytical/Procedural (Non-NURBS) Face Support Surface [G-FA-AN]	No
	230. Big Surface Radius of Curvature [G-SU-CR]	No
	231. Degenerate Surface Segment Boundary [G-SU-DC]	No
	232. Degenerate Surface Segment Corner [G-SU-DP]	No
	233. Embedded Surfaces [G-SU-EM]	No
	234. Folded Surface [G-SU-FO]	No
	235. Fragmented Surface [G-SU-FG]	No
	236. High Number of Control Points in NURBS Surface [G-SU-xx]	No
	237. High-Degree Surface [G-SU-HD]	No
	238. Indistinct Knots in NURBS Surface [G-SU-IK]	No
	239. Large Surface Segment Gaps (G0 Discontinuity) [G-SU-LG]	No
	240. Multi-Face Surface [G-SU-MU]	No
	241. Narrow Surface Segment [G-SU-NA,G-SU-RN]	No
	242. Non-Smooth Surface Segments (G2 Discontinuity) [G-SU-NS]	No
	243. Non-Tangent Surface Segments (G1 Discontinuity) [G-SU-NT]	No
	244. Planar Surfaces with Polynomial Degree greater than 1 [G-SU-xx]	No
	245. Self-Intersecting Surface [G-SU-IS]	No
	246. Small Surface Radius of Curvature [G-SU-CR]	No
	247. Small Surface Radius of Curvature in ThinPart	No
	248. Tiny Surface [G-SU-TI]	No
	249. Undefined Surface Normal [G-SU-xx]	No
	250. Unused Surface Segment Rows [G-SU-UN]	No

## Q-Checker 2.4.2 for CATIA V5 – Criteria overview



FOLDER	CRITERION NAME	HEALING
	251. Wavy Surface [G-SU-WV]	No
Geometry\Solid\Surface Features\Face Edges	252. Analytical/Procedural (Non-NURBS) Face Edge [G-ED-AN]	No
	253. Closed Face Edge [G-ED-CL]	No
	254. Fragmented Face Edge [G-ED-FG]	No
	255. Tiny Face Edge Segment [G-ED-TI]	No
	256. Tiny Face Edge [G-ED-TI]	No
Geometry\Solid\Surface Features\Face Loops	257. Inconsistent Face Edge Orientation in Loop [G-LO-IT]	No
	258. Large Face Edge Gap [G-LO-LG]	No
	259. Self-Intersecting Face Loop [G-LO-IS,G-FA-IS]	No
	260. Sharp Face Edge Angle [G-LO-SA]	No
Geometry\Solid\Surface Features\Faces	261. Closed Face [G-FA-CL]	No
	262. Embedded Faces [G-FA-EM]	No
	263. Inconsistent Face Orientation on Surface [G-FA-IT]	No
	264. Large Face Edge to Surface Gap [G-FA-EG]	No
	265. Narrow Face Region [G-FA-RN]	No
	266. Narrow Face [G-FA-NA,G-FA-RN]	No
	267. Relative Narrow Face	No
	268. Tangent-Continuous Narrow Face [G-FA-NA,G-FA-RN]	No
	269. Tiny Face [G-FA-TI]	No
	Geometry\Solid\Surface Features\Shells/Volumes	270. Calculation of Shells/Volumes [G-SH-xx]
271. Inconsistent Face Orientation in Shell/Volume [G-SH-IT]		No
272. Inconsistent Surface Orientation on Shell/Volume [G-FA-IT,G-SH-IT]		No
273. Large Face Gaps (G0 Discontinuity) [G-SH-LG]		No
274. Non-Smooth Faces (G2 Discontinuity) [G-SH-NS]		No
275. Non-Tangent Faces (G1 Discontinuity) [G-SH-NT]		No
276. Open or Overlapping Shell/Volume [G-SH-FR]		No
277. Over-Used Edge [G-SH-NM]		No
278. Over-Used Vertex [G-SH-OU]		No
279. Self-Intersecting Shell/Volume [G-SH-IS,G-SO-IS]		No
280. Sharp Face Angle [G-SH-SA]		No
281. Step edge on boundary of Shell		No
282. Tangent continuous boundary of Shell		No
Geometry\Solid\Surface Features\General		283. Embedded Solids [G-SO-EM]
	284. Embedded Surface Features (Shells) [G-SO-EM]	Yes
	285. Multi-Domain Surface (Shell) [G-SO-MU]	No
	286. Multi-Volume Solid [G-SO-MU]	No
	287. Non-Allowed Chamfer Angle	No
	288. Non-Allowed Chamfer Lengths	No
	289. Non-Allowed Solid Fillet Radius	Yes
	290. Non-Allowed Surfacic Fillet Radius	Yes
	291. Solid Void [G-SO-VO]	No
	292. Solid Wall Thickness	No
	293. Tiny Solid [G-SO-TI]	Yes

---

FOLDER	CRITERION NAME	HEALING
Geometry\Model	294. Hybrid Model [G-MO-HY]	No
Geometry\Views	295. Embedded Drawing Element [G-DW-EM]	Yes
	296. Tiny Drawing Element [G-DW-TI]	Yes