

The following criteria are available in Q-Checker 2.7.2 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. 2D-Component Text Must Match Sheet Name	Yes
	19. Existence and Content of Applicative Feature Attribute	No
	20. Existence and Content of Texts	No
	21. Existence and Text Content of Parameters in CATDrawing Documents	No
	22. Existence and Text Content of Parameters in CATPart Documents	No
	23. Existence and Text Content of Parameters in CATProduct Documents	No
	24. Feature without Annotation Note	No
	25. Not Allowed Formula Value	No
	26. Parameter Not Linked to Text	No
	27. Permitted Text Fonts	Yes
	28. Selected Text/Dimension Attributes	Yes
	29. Text Not Linked to Parameter	No
Norms and Standards\Description/Names	30. Axis-System Name [O-CS-CN]	Yes
	31. CATDrawing Document Name	No
	32. CATPart Document Name	No
	33. CATProduct Document Name	No
	34. Coherence between Product Component Name and associated File Name	No
	35. Detail-Sheet Name	Yes
	36. Detail-View Name	Yes
	37. Document Description	No
	38. Element Name	Yes
	39. Filter Name	No
	40. Instance Name Must Match Part Number	Yes

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

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

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Norms and Standards\Solids	126. Allowed Solid Features	No
	127. Maximum Number of Solid Features per Body	No
	128. Missing Solid Construction History [O-SO-MH]	No
	129. Multi-Solid Part (Model) [G-MO-MU]	No
	130. Negative Bodies / Sub-Bodies	No
	131. One Solid, at least, in Part	No
	132. Only one Profile per Solid Feature	No
	133. Solid Feature with Child Elements	No
	134. Solid Update	Yes
	135. Unused Solid Construction Geometry	No
Norms and Standards\Material	136. Material Assignment Must Exist for Element Type	No
	137. Material Assignment is Allowed for Element Type	No
	138. Material Corresponds to Material Reference Catalog	No
Norms and Standards\Layer and Filter	139. Current Filter for Layer Group [O-GL-LA]	Yes
	140. Elements in NOSHOW on Layers	Yes
	141. Elements in SHOW on Layers	Yes
	142. Filter and Layer Definition	No
	143. Permitted Element Types on Layers	Yes
	144. Unused Filter [O-GL-GL]	Yes
Methodology\CATProduct	145. Assembly Constraints Must Reference Published Elements	No
	146. At least one Constraint per Product	No
	147. Degree of Freedom of Product Components Equals Zero	No
	148. Flexible Product/Structure Component	No
	149. Kinematics Degree of Freedom of Mechanism Equals Zero	No
	150. Non-Allowed Link Target	No
	151. Non-Allowed MML (Multi-Model-Link) in Product-Context	No
	152. Non-Allowed Path for Linked Document	No
	153. Non-Allowed Shape Component Type	No
	154. Non-Identity Positioning Matrix	No
	155. Non-Isometric Positioning Matrix	No
	156. Product Clash Detection	No
	157. Product component with broken link to CATPart/CATProduct	No
	158. Structure of CATProduct Specification Tree	No
	159. The Same Feature Registered in More Than One DMU-Group [O-GL-IG]	No
	160. User Defined Properties not Applied to Part Component	No
Methodology\CATPart	161. Area Ratio of Surfaces in Specific Bodies	No
	162. Associative Elements (Parent/Children) in Specific Bodies	No
	163. Center of Gravity	Yes
	164. Constraints Referencing the H or V Axis	No
	165. Construction Order of Solid Features in Bodies	No
	166. Coordinates-Point Definition	No
	167. Elements without Child Elements in Specific Bodies	Yes

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	168. Feature Must Exist in Specific Bodies	No
	169. Features with External Links (Multi-Model-Link) in CATPart	Yes
	170. Inverted Surface Orientation Corresponds to Thick Surface Orientation	Yes
	171. Join Definition	No
	172. MML (Multi-Model-Link) Reference Not Published	No
	173. MML (Multi-Model-Link) Reference Not Published (by Name Evaluation)	No
	174. Material Orientation corresponds to Surface Orientation	Yes
	175. Non-Allowed Component Formula in CATPart	Yes
	176. Non-Allowed Input Reference to Vertex / Edge / Face	No
	177. Non-Allowed MML (Multi-Model-Link)	No
	178. Non-Allowed Parent/Child Relationship	No
	179. Non-Allowed Path of Parent Feature	No
	180. Non-Allowed Solid Feature Mixed With Boolean Feature	No
	181. Non-Allowed User-Defined Properties	Yes
	182. Offset Capability (Thick Surface) of Thin Parts	No
	183. Offset Capability of Surface	No
	184. Only One Surface Allowed in Specific Bodies	No
	185. Only one Curve in Sketch	No
	186. Open Body in Body	No
	187. Permitted Body for non-associative Datum Features	No
	188. Saving as V4 Data	No
	189. Sketch Not Fully Constrained	No
	190. Structure of CATPart Specification Tree	Yes
	191. Surface Must Exist in Specific Bodies	No
	192. Surface Must Have Thin Part Attribute in Specific Bodies	Yes
	193. Thick Surface Definition	No
	194. Thin Part Orientation corresponds to Surface Orientation	No
	195. Thread Definition	No
	196. User-Defined Properties Not Applied to Part	Yes
Methodology\CATAnalysis	197. Non-Allowed OCTREE Tetrahedron Mesh Element Type	No
Methodology\FT/A	198. Active Capture	No
	199. Allowed FT/A Dimension Unit	No
	200. Camera Name Must Match Capture Name	Yes
	201. Capture Definition	No
	202. FT/A Fake Dimensions	Yes
	203. FT/A Reference System Must Exist	Yes
	204. FT/A Tolerancing Standard	No
	205. FT/A Types Must Be Assigned to Specific Captures	Yes
	206. Geometry Linked to FT/A in NOSHOW	Yes
	207. Non-Allowed Activation Status of Annotation Set	Yes
	208. Non-Allowed Basic Dimension Reference	No
	209. Non-Allowed Link of FT/A Elements	No
	210. Non-Allowed Semantic/Non-Semantic FT/A Elements	No

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	211. Occurrences of FT/A Types in Captures	No
	212. Permitted FT/A Type in Specific Capture	No
	213. Permitted NOA Attributes	No
	214. View Name Must Match Capture Name	Yes
	215. View Orientation Corresponds to Camera Orientation	No
Methodology\Sheetmetal	216. Conical Bend Definition	No
	217. Cylindrical Bend Definition	No
	218. Fold/Unfold-Sheet Metal Visualization	No
Methodology\Composite	219. Composite Design Material	No
	220. Ply Definition	No
	221. Ply Surface Must Match PlyGroup Surface	No
Methodology\Electrics	222. Bundle Segment Properties	No
	223. Consistency of Branchables in Multi-Branchable	Yes
	224. Consistency of Bundle Segments in Multi-Branchable	No
	225. Electrical Data Availability	Yes
	226. Electrical Protective Coverings	No
	227. Electrical Reference Designator	No
	228. Electrical Topology	No
	229. Empty Multi-Branchable / Bundle Segment Part	Yes
	230. Lost Electrical Properties of Curve	No
	231. Non-allowed Electrical Document Type	No
	232. Support Plane must be Parallel to Reference Plane	No
	233. Unlinked Supports in GBN	No
	234. Unused Electrical Elements in CATPart	Yes
	Methodology\General	235. Deactivated Knowledgeware Relation
236. Non-allowed Infinite Lines		No
237. Unresolved (Non-Synchronized) Knowledgeware Relation		No
Geometry\Curve Features\Curves	238. Fragmented Curve [G-CU-FG]	No
	239. High-Degree Curve [G-CU-HD]	No
	240. Indistinct Knots in NURBS Curve [G-CU-IK]	No
	241. Large Curve Segment Gaps (G0 Discontinuity) [G-CU-LG]	No
	242. Linear Curves with Polynomial Degree greater than 1 [G-CU-ID]	No
	243. Non-Smooth Curve Segments (G2 Discontinuity) [G-CU-NS]	No
	244. Non-Tangent Curve Segments (G1 Discontinuity) [G-CU-NT]	No
	245. Small Curve Radius of Curvature [G-CU-CR]	No
	246. Tiny Curve Segment [G-CU-TI]	No
	247. Tiny Curve [G-CU-TI]	No
Geometry\Curve Features\Wires	248. Wavy Planar Curve [G-CU-WV]	No
	249. Embedded Wires and Points [G-CU-EM]	No
	250. Large Curve Gaps (G0 Discontinuity) [G-CU-LG]	No
	251. Non-Smooth Curves (G2 Discontinuity) [G-CU-NS]	No
	252. Non-Tangent Curves (G1 Discontinuity) [G-CU-NT]	No

## Q-Checker 2.7.2 for CATIA V5 – Criteria overview



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	253. Self-Intersecting Wire [G-CU-IS]	No
	254. Tiny Wire [G-CU-TI]	No
Geometry\Curve Features\General	255. Multi-Domain Curve [G-CU-MU]	No
Geometry\Solid\Surface Features\Surfaces	256. Analytical/Procedural (Non-NURBS) Face Support Surface [G-FA-AN]	No
	257. Big Surface Radius of Curvature [G-SU-CR]	No
	258. Degenerate Surface Segment Boundary [G-SU-DC]	No
	259. Degenerate Surface Segment Corner [G-SU-DP]	No
	260. Embedded Surfaces [G-SU-EM]	No
	261. Folded Surface [G-SU-FO]	No
	262. Fragmented Surface [G-SU-FG]	No
	263. High Number of Control Points in NURBS Surface [G-SU-xx]	No
	264. High-Degree Surface [G-SU-HD]	No
	265. Indistinct Knots in NURBS Surface [G-SU-IK]	No
	266. Large Surface Segment Gaps (G0 Discontinuity) [G-SU-LG]	No
	267. Multi-Face Surface [G-SU-MU]	No
	268. Narrow Surface Segment [G-SU-NA,G-SU-RN]	No
	269. Non-Smooth Surface Segments (G2 Discontinuity) [G-SU-NS]	No
	270. Non-Tangent Surface Segments (G1 Discontinuity) [G-SU-NT]	No
	271. Planar Surfaces with Polynomial Degree greater than 1 [G-SU-xx]	No
	272. Self-Intersecting Surface [G-SU-IS]	No
	273. Small Surface Radius of Curvature [G-SU-CR]	No
	274. Small Surface Radius of Curvature in ThinPart	No
	275. Tiny Surface [G-SU-TI]	No
	276. Undefined Surface Normal [G-SU-xx]	No
	277. Unused Surface Segment Rows [G-SU-UN]	No
	278. Wavy Surface [G-SU-WV]	No
Geometry\Solid\Surface Features\Face Edges	279. Analytical/Procedural (Non-NURBS) Face Edge [G-ED-AN]	No
	280. Closed Face Edge [G-ED-CL]	No
	281. Fragmented Face Edge [G-ED-FG]	No
	282. Tiny Face Edge Segment [G-ED-TI]	No
	283. Tiny Face Edge [G-ED-TI]	No
Geometry\Solid\Surface Features\Face Loops	284. Inconsistent Face Edge Orientation in Loop [G-LO-IT]	No
	285. Large Face Edge Gap [G-LO-LG]	No
	286. Self-Intersecting Face Loop [G-LO-IS,G-FA-IS]	No
	287. Sharp Face Edge Angle [G-LO-SA]	No
Geometry\Solid\Surface Features\Faces	288. Closed Face [G-FA-CL]	No
	289. Embedded Faces [G-FA-EM]	No
	290. Inconsistent Face Orientation on Surface [G-FA-IT]	No
	291. Large Face Edge to Surface Gap [G-FA-EG]	No

FOLDER	CRITERION NAME	HEALING
	292. Narrow Face Region [G-FA-RN]	No
	293. Narrow Face [G-FA-NA,G-FA-RN]	No
	294. Relative Narrow Face	No
	295. Tangent-Continuous Narrow Face [G-FA-NA,G-FA-RN]	No
	296. Tiny Face [G-FA-TI]	No
Geometry\Solid\Surface Features\Shells/Volumes	297. Calculation of Shells/Volumes [G-SH-xx]	No
	298. Inconsistent Face Orientation in Shell/Volume [G-SH-IT]	No
	299. Inconsistent Surface Orientation on Shell/Volume [G-FA-IT,G-SH-IT]	No
	300. Large Face Gaps (G0 Discontinuity) [G-SH-LG]	No
	301. Non-Smooth Faces (G2 Discontinuity) [G-SH-NS]	No
	302. Non-Tangent Faces (G1 Discontinuity) [G-SH-NT]	No
	303. Open or Overlapping Shell/Volume [G-SH-FR]	No
	304. Over-Used Edge [G-SH-NM]	No
	305. Over-Used Vertex [G-SH-OU]	No
	306. Self-Intersecting Shell/Volume [G-SH-IS,G-SO-IS]	No
	307. Sharp Face Angle [G-SH-SA]	No
	308. Step edge on boundary of Shell	No
	309. Tangent continuous boundary of Shell	No
Geometry\Solid\Surface Features\General	310. Embedded Solids [G-SO-EM]	Yes
	311. Embedded Surface Features (Shells) [G-SO-EM]	Yes
	312. Multi-Domain Surface (Shell) [G-SO-MU]	No
	313. Multi-Volume Solid [G-SO-MU]	No
	314. Non-Allowed Chamfer Angle	No
	315. Non-Allowed Chamfer Lengths	No
	316. Non-Allowed Solid Fillet Radius	Yes
	317. Non-Allowed Surfacic Fillet Radius	Yes
	318. Solid Void [G-SO-VO]	No
	319. Solid Wall Thickness	No
	320. Tiny Solid [G-SO-TI]	Yes
Geometry\Model	321. Hybrid Model [G-MO-HY]	No
Geometry\Views	322. Embedded Drawing Element [G-DW-EM]	Yes
	323. Tiny Drawing Element [G-DW-TI]	Yes