

Q-Checker 2.17.5 for CATIA V5 – Criteria overview



The following criteria are available in Q-Checker 2.17.5 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. CATDUAV5	Yes
	6. Fit All In	No
	7. Recompute the Tool Path for Machining Operations	No
	8. Reset Graphic Properties	No
Norms and Standards\Saved Model State	9. Current Window View	Yes
	10. Current Work Object	Yes
	11. Maximum Document File Size	No
	12. Non-Allowed CATIA Version and Release	No
	13. Non-Allowed Educational Licence	No
	14. Product/Part update	Yes
Norms and Standards\Graphic	15. Non-Allowed B-Rep/Feature Color	Yes
	16. Non-Allowed B-Rep/Feature Transparency	Yes
Norms and Standards\Settings	17. Display Performance	Yes
	18. Display in Specification Tree	Yes
	19. Geometry Scale	No
	20. Machining Settings	No
	21. Magnitude Length	No
	22. View Mode	Yes
Norms and Standards\Texts	23. 2D-Component Text Must Match Sheet Property	Yes
	24. Content of Root Feature Attribute	No
	25. Existence and Content of Applicative Feature Attribute	Yes
	26. Existence and Content of Texts	Yes
	27. Existence and Text Content of Parameters in Drawing	Yes
	28. Existence and Text Content of Parameters in Part	Yes
	29. Existence and Text Content of Parameters in Product	Yes
	30. Feature without Annotation Note	No
	31. Formula Must Exist	No
	32. Non-Allowed Formula Value	Yes
	33. Parameter Must Exist and Content Must Match Root-Feature Name	Yes
	34. Parameter Not Linked to Text	No
	35. Permitted Text Fonts	Yes
	36. Selected Text/Dimension Attributes	Yes
	37. Text Content Must Match Sheet Format	Yes
	38. Text Not Linked to Parameter	No
Norms and Standards\Description/Names	39. CATDrawing Name	No
	40. CATPart Name	No
	41. CATProduct Name	No

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

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	84. Non-Allowed Sheet Size	No
	85. Non-Allowed View Generation Mode	No
	86. Non-Exposed/Exploded 2D-Component	Yes
	87. Only one Sheet per Drawing	No
	88. Only one View in each Sheet	No
	89. Permitted Generative View Style	No
	90. Scale of External 2D Component	Yes
	91. Sheet Format	No
	92. Sheet Frame	Yes
	93. Sheet Must Exist	No
	94. Sheet Projection Method	No
	95. Sheet Scaling	No
	96. Sheet/View must exist	No
	97. Unused Details	Yes
	98. View Angle	Yes
	99. View Frame Visibility	Yes
	100. View Frames [D-OR-VF]	No
	101. View Name is the Same in Specification Tree and in the View	No
	102. View Outside of Sheet	Yes
	103. View Scaling	No
	104. View Update	Yes
	105. View not linked to CATPart/CATProduct	No
	106. View with broken link to CATPart/CATProduct	No
Norms and Standards\Elements\General	107. Activated Feature	Yes
	108. Allowed Dimension Unit	No
	109. Conditional Feature Properties	Yes
	110. Deactivated Feature	Yes
	111. Elements in Specific Bodies Must Be Published	No
	112. Empty Body	Yes
	113. Empty Body Must Exist	No
	114. Low Intensity	Yes
	115. Maximum Number of Elements	No
	116. No Space Geometry Outside Working Area [O-CM-OB]	Yes
	117. Non-Allowed Assembly Constraints	No
	118. Non-Allowed Associative Feature	Yes
	119. Permitted Element Types in Model	Yes
	120. Permitted Element Types in NOPICK	Yes
	121. Permitted Element Types in NOSHOW	Yes
	122. Permitted Element Types in PICK	Yes
	123. Permitted Element Types in SHOW	Yes
	124. Permitted Surface Feature Types in Specific Bodies	No
	125. The Same Feature Registered in More Than One Body [O-GL-IG]	No
	126. Unresolved Feature	Yes

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	127. User defined Feature [O-EL-UD]	No
	128. Visualization State of Published Entities	Yes
Norms and Standards\Elements\Drawings	129. Drawing Picture Properties	No
	130. Fake Dimensions	Yes
	131. Identical 2D Components	Yes
	132. Non Associative Dimensions (on 3D)	Yes
	133. Non Associative Drawing Entities (on 3D)	Yes
	134. Non up-to-date Dimensions	Yes
	135. Non-Allowed Element Type in 2D Component	No
	136. Non-Allowed overlapping feature	No
	137. Non-Standard Display Accuracy of Dimension [D-OR-DI]	Yes
	138. Scale Text Must Match View Scale Value	No
Norms and Standards\Elements\Sketches	139. Empty Sketch	Yes
	140. Non-Allowed Deactivated Constraints in Sketch	No
	141. Non-Allowed Sketch Constraint Types	No
	142. Non-Allowed Sketch Element Linked to Origin	No
	143. Non-Allowed Sketch Positioning Type	Yes
	144. Non-Allowed Types in Sketch	No
	145. Open Sketch	No
Norms and Standards\Elements\Axis Systems	146. Allowed Axis-System Position	No
	147. Axis-System Name [O-CS-CN]	Yes
	148. Current Axis System	Yes
	149. Non-Reference Axis System Active [O-CS-NR]	Yes
	150. Non-Standard Axis System [O-CS-NO]	No
Norms and Standards\Solids	151. Allowed Solid Features	No
	152. Maximum Number of Solid Features per Body	No
	153. Missing Solid Construction History [O-SO-MH]	No
	154. Multi-Solid Part (Model) [G-MO-MU]	No
	155. Negative Bodies / Sub-Bodies	No
	156. Number of Visible Faces	No
	157. One Solid, at least, in Part	No
	158. Only one Profile per Solid Feature	No
	159. Solid Feature with Child Elements	No
	160. Solid Update	Yes
	161. Unused Solid Construction Geometry	No
Norms and Standards\Material	162. Linked/Unlinked Material	No
	163. Material Assignment Must Exist for Element Type	No
	164. Material Assignment is Allowed for Element Type	No
	165. Material Corresponds to Material Reference Catalog	No
	166. User-Defined Property Value Must Match Material in Catalog	No
Norms and Standards\Layer and Filter	167. Current Filter for Layer Group [O-GL-LA]	Yes
	168. Elements in NOSHOW on Layers	Yes
	169. Elements in SHOW on Layers	Yes
	170. Filter and Layer Definition	No

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Methodology\General	171. Permitted Element Types on Layers	Yes
	172. Unused Filter [O-GL-GL]	Yes
	173. Deactivated Knowledgeware Relation	No
	174. Non-Allowed Geometry Scale	No
	175. Non-Allowed Infinite Lines	No
	176. Non-Allowed Knowledgeware Relation Check Status	No
	177. Non-Allowed Models/Catalogs/... in Session	No
	178. Non-Allowed User-Defined Properties of Root-Product/Part	Yes
	179. Unresolved (Non-Synchronized) Knowledgeware Relation	No
	180. User-Defined Properties Not Applied to Root-Product/Part	Yes
Methodology\Product	181. Assembly Constraints Must Reference Published Elements	No
	182. At least one Constraint per Product	No
	183. Degree of Freedom of Product Components	No
	184. Flexible Product/Structure Component	No
	185. Kinematics Degree of Freedom of Mechanism Equals Zero	No
	186. Non-Allowed Link Target	No
	187. Non-Allowed MML (Multi-Model-Link) in Product-Context	No
	188. Non-Allowed Path for Linked Document	No
	189. Non-Allowed Positioning Matrix	No
	190. Non-Allowed Shape Component Type	No
	191. Non-Identity Positioning Matrix	No
	192. Non-Isometric Positioning Matrix	No
	193. Product Clash Detection	No
	194. Product Component Seal	No
	195. Product component with broken link to CATPart/CATProduct	No
	196. Structure of Product Specification Tree	No
	197. The Same Feature Registered in More Than One DMU-Group [O-GL-IG]	No
	198. User Defined Properties Not Applied to Part Component	No
Methodology\CATPart	199. Area Ratio of Surfaces in Specific Bodies	No
	200. Associative Elements (Parent/Children) in Specific Bodies	No
	201. Center of Gravity	Yes
	202. Constraints Referencing the H or V Axis	No
	203. Construction Order of Solid Features in Bodies	No
	204. Coordinates-Point Definition	No
	205. Edge/Variable-Radius/Chordal Fillets Definition	No
	206. Elements without Child Elements in Specific Bodies	Yes
	207. Feature Must Exist in Specific Bodies	No
	208. Features with External Links (Multi-Model-Link) in Part	Yes
	209. Healing Definition	No
	210. Inverted Surface Orientation Corresponds to Thick Surface Orientation	Yes

FOLDER	CRITERION NAME	HEALING
	211. Join Definition	No
	212. MML (Multi-Model-Link) Reference Not Published	No
	213. MML (Multi-Model-Link) Reference Not Published (by Name Evaluation)	No
	214. Material Orientation corresponds to Surface Orientation	Yes
	215. Non-Allowed Component Formula in Part	Yes
	216. Non-Allowed Direction of Offset Surface Feature	No
	217. Non-Allowed Input Reference to Vertex / Edge / Face	No
	218. Non-Allowed Isolated External References Set	No
	219. Non-Allowed MML (Multi-Model-Link)	No
	220. Non-Allowed Parent/Child Relationship	No
	221. Non-Allowed Path of Parent Feature	No
	222. Non-Allowed Solid Feature Mixed With Boolean Feature	No
	223. Offset Capability (Thick Surface) of Thin Parts	No
	224. Offset Capability of Surface	No
	225. Only One Surface Allowed in Specific Bodies	No
	226. Only one Curve in Sketch	No
	227. Open Body in Body	No
	228. Permitted Body for non-associative Datum Features	No
	229. Saving as V4 Data	No
	230. Shell Definition	No
	231. Sketch Not Fully Constrained	No
	232. Structure of Part Specification Tree	Yes
	233. Surface Must Exist in Specific Bodies	No
	234. Surface Must Have Thin Part Attribute in Specific Bodies	Yes
	235. Thick Surface Definition	No
	236. Thin Part Orientation corresponds to Surface Orientation	No
	237. Thread Definition	No
Methodology\Process	238. Activated NC Macros Must Exist	No
	239. Consistent Settings for Machining Operations	No
	240. Machining Operation Feeds and Speeds Properties	No
	241. Machining Operation Strategy Properties	No
	242. NC Machine Numerical Control Properties	No
	243. NC Machining Fixture	No
	244. NC Machining Rough Stock	No
	245. NC Machining Safety Plane	No
	246. NC Machining Simulation Stock Accuracy	No
	247. Non-Allowed Machining Operation Tool Name	No
	248. Non-Allowed NC Machine	No
	249. Non-Allowed NC Machine PPWords Table	No
	250. Non-Allowed PPWords	No
Methodology\CATAnalysis	251. Non-Allowed OCTREE Tetrahedron Mesh Element Type	No
Methodology\FT/A	252. Active Capture	Yes
	253. Annotation Content Does Not Correspond to Root Feature Properties	No

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	254. Camera Name Must Match Capture Name	Yes
	255. Capture Definition	No
	256. Capture Name Must Match View Name	No
	257. FT/A Fake Dimensions	Yes
	258. FT/A Reference Frame Must Exist	No
	259. FT/A Reference System Must Exist	Yes
	260. FT/A Tolerancing Standard	No
	261. FT/A Types Must Be Assigned to Specific Captures	Yes
	262. Geometry Linked to FT/A in NOSHOW	Yes
	263. Non-Allowed Activation Status of Annotation Set	Yes
	264. Non-Allowed Basic Dimension Reference	No
	265. Non-Allowed Link of FT/A Elements	No
	266. Non-Allowed Semantic/Non-Semantic FT/A Elements	No
	267. Occurrences of FT/A Types in Captures	No
	268. Permitted FT/A Type in Specific Capture	No
	269. Permitted NOA Attributes	No
	270. Separator for Geometrical Tolerance	Yes
	271. Unused FT/A Datums	No
	272. View Name Must Match Capture Name	Yes
	273. View Orientation Corresponds to Camera Orientation	No
Methodology\Sheetmetal	274. Conical Bend Definition	No
	275. Cylindrical Bend Definition	No
	276. Fold/Unfold-Sheet Metal Visualization	No
	277. Sheet Metal Parameters	No
Methodology\Composite	278. Composite Material Catalog Path	No
	279. Composite Material Parameter State	No
	280. Ply Definition	No
	281. Ply Surface Must Match PlyGroup Surface	No
	282. Ply with Invalid or not up-to-date Contour	No
Methodology\Equipment\ General	283. Unlinked Supports in GBN	No
Methodology\Equipment\ Electrics	284. Bundle Segment Properties	No
	285. Consistency of Branchables in Multi-Branchable	Yes
	286. Consistency of Bundle Segments in Multi-Branchable	No
	287. Electrical Data Availability	Yes
	288. Electrical Protective Coverings	No
	289. Electrical Reference Designator	No
	290. Electrical Support Points Must Lie on Electrical Support Planes	No
	291. Electrical Topology	No
	292. Empty Multi-Branchable / Bundle Segment Part	Yes
	293. Light Electrical Protective Coverings	No
	294. Lost Electrical Properties of Curve	No
	295. Multipart Bundle Segment	No
	296. Non-allowed Electrical Root/Components Type	No

FOLDER	CRITERION NAME	HEALING
	297. Segment Extremity Name	Yes
	298. Support Plane must be Parallel to Reference Plane	No
	299. Unused Devices	No
	300. Unused Electrical Elements in Part	Yes
Geometry\Curve Features\Curves	301. Fragmented Curve [G-CU-FG]	No
	302. High-Degree Curve [G-CU-HD]	No
	303. Indistinct Knots in NURBS Curve [G-CU-IK]	No
	304. Large Curve Segment Gaps (G0 Discontinuity) [G-CU-LG]	No
	305. Linear Curves with Polynomial Degree greater than 1 [G-CU-ID]	No
	306. Non-Smooth Curve Segments (G2 Discontinuity) [G-CU-NS]	No
	307. Non-Tangent Curve Segments (G1 Discontinuity) [G-CU-NT]	No
	308. Small Curve Radius of Curvature [G-CU-CR]	No
	309. Tiny Curve Segment [G-CU-TI]	No
	310. Tiny Curve [G-CU-TI]	No
	311. Wavy Planar Curve [G-CU-WV]	No
Geometry\Curve Features\Wires	312. Embedded Wires and Points [G-CU-EM]	No
	313. Large Curve Gaps (G0 Discontinuity) [G-CU-LG]	No
	314. Non-Smooth Curves (G2 Discontinuity) [G-CU-NS]	No
	315. Non-Tangent Curves (G1 Discontinuity) [G-CU-NT]	No
	316. Self-Intersecting Wire [G-CU-IS]	No
	317. Tiny Wire [G-CU-TI]	No
Geometry\Curve Features\General	318. Multi-Domain Curve [G-CU-MU]	No
Geometry\Solid\Surface Features\Surfaces	319. Analytical/Procedural (Non-NURBS) Face Support Surface [G-FA-AN]	No
	320. Big Curvature Radius in Surface [G-SU-CR]	No
	321. Degenerate Surface Segment Boundary [G-SU-DC]	No
	322. Degenerate Surface Segment Corner [G-SU-DP]	No
	323. Embedded Surfaces [G-SU-EM]	No
	324. Folded Surface [G-SU-FO]	No
	325. Fragmented Surface [G-SU-FG]	No
	326. High Number of Control Points in NURBS Surface [G-SU-xx]	No
	327. High-Degree Surface [G-SU-HD]	No
	328. Indistinct Knots in NURBS Surface [G-SU-IK]	No
	329. Large Surface Segment Gaps (G0 Discontinuity) [G-SU-LG]	No
	330. Multi-Face Surface [G-SU-MU]	No
	331. Narrow Surface Segment [G-SU-NA,G-SU-RN]	Yes*
	332. Non-Smooth Surface Segments (G2 Discontinuity) [G-SU-NS]	No
	333. Non-Tangent Surface Segments (G1 Discontinuity) [G-SU-NT]	No

FOLDER	CRITERION NAME	HEALING	
	334. Planar Surfaces with Polynomial Degree greater than 1 [G-SU-xx]	No	
	335. Self-Intersecting Surface [G-SU-IS]	No	
	336. Small Curvature Radius in Surface [G-SU-CR]	No	
	337. Small Curvature Radius in Thin-Part Surface	No	
	338. Tiny Surface [G-SU-TI]	Yes*	
	339. Undefined Surface Normal [G-SU-xx]	No	
	340. Unused Surface Segment Rows [G-SU-UN]	No	
	341. Wavy Surface [G-SU-WV]	No	
	Geometry\Solid\Surface Features\Face Edges	342. Analytical/Procedural (Non-NURBS) Face Edge [G-ED-AN]	No
		343. Closed Face Edge [G-ED-CL]	No
		344. Fragmented Face Edge [G-ED-FG]	No
345. Tiny Face Edge Segment [G-ED-TI]		Yes*	
346. Tiny Face Edge [G-ED-TI]		Yes*	
Geometry\Solid\Surface Features\Face Loops	347. Inconsistent Face Edge Orientation in Loop [G-LO-IT]	No	
	348. Large Face Edge Gap [G-LO-LG]	Yes*	
	349. Self-Intersecting Face Loop [G-LO-IS,G-FA-IS]	Yes*	
	350. Sharp Face Edge Angle [G-LO-SA]	No	
Geometry\Solid\Surface Features\Faces	351. Closed Face [G-FA-CL]	No	
	352. Embedded Faces [G-FA-EM]	No	
	353. Inconsistent Face Orientation on Surface [G-FA-IT]	No	
	354. Large Face Edge to Surface Gap [G-FA-EG]	No	
	355. Narrow Face Region [G-FA-RN]	No	
	356. Narrow Face [G-FA-NA,G-FA-RN]	Yes*	
	357. Relative Narrow Face	No	
	358. Tangent-Continuous Narrow Face [G-FA-NA,G-FA-RN]	No	
	359. Tiny Face [G-FA-TI]	Yes*	
Geometry\Solid\Surface Features\Shells/Volumes	360. Calculation of Shells/Volumes [G-SH-xx]	No	
	361. Inconsistent Face Orientation in Shell/Volume [G-SH-IT]	No	
	362. Inconsistent Surface Orientation on Shell/Volume [G-FA-IT,G-SH-IT]	No	
	363. Large Face Gaps (G0 Discontinuity) [G-SH-LG]	Yes*	
	364. Non-Smooth Faces (G2 Discontinuity) [G-SH-NS]	No	
	365. Non-Tangent Faces (G1 Discontinuity) [G-SH-NT]	Yes*	
	366. Open or Overlapping Shell/Volume [G-SH-FR]	No	
	367. Over-Used Edge [G-SH-NM]	No	
	368. Over-Used Vertex [G-SH-OU]	No	
	369. Self-Intersecting Shell/Volume [G-SH-IS,G-SO-IS]	No	
	370. Sharp Face Angle [G-SH-SA]	No	
	371. Step Edge on Boundary of Shell	No	
	372. Tangent continuous boundary of Shell	No	
Geometry\Solid\Surface Features\General	373. Embedded Solids [G-SO-EM]	Yes	
	374. Embedded Surface Features (Shells) [G-SO-EM]	Yes	
	375. Empty Domains	No	

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FOLDER	CRITERION NAME	HEALING
	376. Multi-Domain Surface (Shell) [G-SO-MU]	No
	377. Multi-Volume Solid [G-SO-MU]	No
	378. Non-Allowed Chamfer Angle	No
	379. Non-Allowed Chamfer Lengths	No
	380. Non-Allowed Solid Fillet Radius	Yes
	381. Non-Allowed Surfacic Fillet Radius	Yes
	382. Solid Void [G-SO-VO]	No
	383. Solid Wall Thickness	No
	384. Tiny Solid [G-SO-TI]	Yes
Geometry\Model	385. Hybrid Model [G-MO-HY]	No
Geometry\Views	386. Embedded Drawing Element [G-DW-EM]	Yes
	387. Tiny Drawing Element [G-DW-TI]	Yes

* Healing requires license key for Q-Doctor.

For more information, please contact us at q-checker@transcat-plm.com