

Q-Checker 2.16.3 for CATIA V5 – Criteria overview



The following criteria are available in Q-Checker 2.16.3 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 Name	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	No
	28. Existence and Text Content of Parameters in Part	No
	29. Existence and Text Content of Parameters in Product	No
	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 Not Linked to Parameter	No
Norms and Standards\Description/Names	38. CATDrawing Name	No
	39. CATPart Name	No
	40. CATProduct Name	No
	41. Coherence between Product Component Name and associated File Name	No

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

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

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

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

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

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

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

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

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FOLDER	CRITERION NAME	HEALING
	376. Non-Allowed Chamfer Lengths	No
	377. Non-Allowed Solid Fillet Radius	Yes
	378. Non-Allowed Surfacic Fillet Radius	Yes
	379. Solid Void [G-SO-VO]	No
	380. Solid Wall Thickness	No
	381. Tiny Solid [G-SO-TI]	Yes
Geometry\Model	382. Hybrid Model [G-MO-HY]	No
Geometry\Views	383. Embedded Drawing Element [G-DW-EM]	Yes
	384. 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