

Q-Checker 2.14.7 for CATIA V5 – Criteria overview



The following criteria are available in Q-Checker 2.14.7 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. Non-Allowed Formula Value	Yes
	32. Parameter Must Exist and Content Must Match Root-Feature Name	Yes
	33. Parameter Not Linked to Text	No
	34. Permitted Text Fonts	Yes
	35. Selected Text/Dimension Attributes	Yes
	36. Text Not Linked to Parameter	No
Norms and Standards\Description/Names	37. CATDrawing Name	No
	38. CATPart Name	No
	39. CATProduct Name	No
	40. Coherence between Product Component Name and associated File Name	No
	41. Detail-Sheet Name	Yes

Q-Checker 2.14.7 for CATIA V5 – Criteria overview



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

Q-Checker 2.14.7 for CATIA V5 – Criteria overview



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

Q-Checker 2.14.7 for CATIA V5 – Criteria overview



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

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

Q-Checker 2.14.7 for CATIA V5 – Criteria overview



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

FOLDER	CRITERION NAME	HEALING
	254. Non-Allowed Basic Dimension Reference	No
	255. Non-Allowed Link of FT/A Elements	No
	256. Non-Allowed Semantic/Non-Semantic FT/A Elements	No
	257. Occurrences of FT/A Types in Captures	No
	258. Permitted FT/A Type in Specific Capture	No
	259. Permitted NOA Attributes	No
	260. Separator for Geometrical Tolerance	Yes
	261. Unused FT/A Datums	No
	262. View Name Must Match Capture Name	Yes
	263. View Orientation Corresponds to Camera Orientation	No
Methodology\Sheetmetal	264. Conical Bend Definition	No
	265. Cylindrical Bend Definition	No
	266. Fold/Unfold-Sheet Metal Visualization	No
	267. Sheet Metal Parameters	No
Methodology\Composite	268. Composite Material Catalog Path	No
	269. Composite Material Parameter State	No
	270. Ply Definition	No
	271. Ply Surface Must Match PlyGroup Surface	No
	272. Ply with Invalid Contour	No
Methodology\Equipment\ Electrics	273. Bundle Segment Properties	No
	274. Consistency of Branchables in Multi-Branchable	Yes
	275. Consistency of Bundle Segments in Multi-Branchable	No
	276. Electrical Data Availability	Yes
	277. Electrical Protective Coverings	No
	278. Electrical Reference Designator	No
	279. Electrical Topology	Yes
	280. Empty Multi-Branchable / Bundle Segment Part	Yes
	281. Light Electrical Protective Coverings	No
	282. Lost Electrical Properties of Curve	No
	283. Multipart Bundle Segment	No
	284. Non-allowed Electrical Root/Components Type	No
	285. Segment Extremity Name	Yes
	286. Support Plane must be Parallel to Reference Plane	No
	287. Unused Devices	No
	288. Unused Electrical Elements in Part	Yes
Methodology\Equipment\ Electrics	289. Unlinked Supports in GBN	No
Geometry\Curve Features\Curves	290. Fragmented Curve [G-CU-FG]	No
	291. High-Degree Curve [G-CU-HD]	No
	292. Indistinct Knots in NURBS Curve [G-CU-IK]	No
	293. Large Curve Segment Gaps (G0 Discontinuity) [G-CU-LG]	No
	294. Linear Curves with Polynomial Degree greater than 1 [G-CU-ID]	No
	295. Non-Smooth Curve Segments (G2 Discontinuity) [G-CU-NS]	No

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

Q-Checker 2.14.7 for CATIA V5 – Criteria overview



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	334. Tiny Face Edge Segment [G-ED-TI]	No
	335. Tiny Face Edge [G-ED-TI]	Yes*
Geometry\Solid\Surface Features\Face Loops	336. Inconsistent Face Edge Orientation in Loop [G-LO-IT]	No
	337. Large Face Edge Gap [G-LO-LG]	Yes*
	338. Self-Intersecting Face Loop [G-LO-IS,G-FA-IS]	Yes*
	339. Sharp Face Edge Angle [G-LO-SA]	No
Geometry\Solid\Surface Features\Faces	340. Closed Face [G-FA-CL]	No
	341. Embedded Faces [G-FA-EM]	No
	342. Inconsistent Face Orientation on Surface [G-FA-IT]	No
	343. Large Face Edge to Surface Gap [G-FA-EG]	No
	344. Narrow Face Region [G-FA-RN]	No
	345. Narrow Face [G-FA-NA,G-FA-RN]	Yes*
	346. Relative Narrow Face	No
	347. Tangent-Continuous Narrow Face [G-FA-NA,G-FA-RN]	No
	348. Tiny Face [G-FA-TI]	Yes*
Geometry\Solid\Surface Features\Shells/Volumes	349. Calculation of Shells/Volumes [G-SH-xx]	No
	350. Inconsistent Face Orientation in Shell/Volume [G-SH-IT]	No
	351. Inconsistent Surface Orientation on Shell/Volume [G-FA-IT,G-SH-IT]	No
	352. Large Face Gaps (G0 Discontinuity) [G-SH-LG]	Yes*
	353. Non-Smooth Faces (G2 Discontinuity) [G-SH-NS]	No
	354. Non-Tangent Faces (G1 Discontinuity) [G-SH-NT]	No
	355. Open or Overlapping Shell/Volume [G-SH-FR]	No
	356. Over-Used Edge [G-SH-NM]	No
	357. Over-Used Vertex [G-SH-OU]	No
	358. Self-Intersecting Shell/Volume [G-SH-IS,G-SO-IS]	No
	359. Sharp Face Angle [G-SH-SA]	No
	360. Step Edge on Boundary of Shell	No
	361. Tangent continuous boundary of Shell	No
Geometry\Solid\Surface Features\General	362. Embedded Solids [G-SO-EM]	Yes
	363. Embedded Surface Features (Shells) [G-SO-EM]	Yes
	364. Multi-Domain Surface (Shell) [G-SO-MU]	No
	365. Multi-Volume Solid [G-SO-MU]	No
	366. Non-Allowed Chamfer Angle	No
	367. Non-Allowed Chamfer Lengths	No
	368. Non-Allowed Solid Fillet Radius	Yes
	369. Non-Allowed Surfacic Fillet Radius	Yes
	370. Solid Void [G-SO-VO]	No
	371. Solid Wall Thickness	No
	372. Tiny Solid [G-SO-TI]	Yes
Geometry\Model	373. Hybrid Model [G-MO-HY]	No
Geometry\Views	374. Embedded Drawing Element [G-DW-EM]	Yes
	375. 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