

Q-Checker 2.19.1 for CATIA V5 – Criteria overview



The following criteria are available in Q-Checker 2.19.1 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	Yes
	6. Perform CATDUAV5 Clean	Yes
	7. Perform Product/Part Update	Yes
	8. Perform Solid Update	Yes
	9. Recompute the Tool Path for Machining Operations	Yes
	10. Reset Graphic Properties	Yes
Norms and Standards\General	11. CATDUAV5	No
Norms and Standards\Saved Model State	12. Current Window View	Yes
	13. Current Work Object	Yes
	14. Maximum Document File Size	No
	15. Non-Allowed CATIA Version and Release	No
	16. Non-Allowed Educational Licence	No
Norms and Standards\Settings	17. Product/Part update	Yes
	18. Display Performance	Yes
	19. Display in Specification Tree	Yes
	20. Geometry Scale	No
	21. Machining Settings	No
	22. Magnitude Length	No
Norms and Standards\Texts	23. View Mode	Yes
	24. 2D-Component Text Must Match Sheet Property	Yes
	25. Content of Root Feature Attribute	No
	26. Existence and Content of Applicative Feature Attribute	Yes
	27. Existence and Content of Texts	Yes
	28. Existence and Text Content of Parameters	Yes
	29. Existence and Text Content of Parameters in Drawing	Yes
	30. Existence and Text Content of Parameters in Part	Yes
	31. Existence and Text Content of Parameters in Product	Yes
	32. Feature without Annotation Note	No
	33. Formula Must Exist	No
	34. Non-Allowed Formula Value	Yes
	35. Parameter Must Exist and Content Must Match Root-Feature Name	Yes
	36. Parameter Not Linked to Text	No
	37. Permitted Text Fonts	Yes
	38. Selected Text/Dimension Attributes	Yes
	39. Text Content Must Match Sheet Format	Yes
	40. Text Not Linked to Parameter	No
Norms and	41. CATDrawing Name	No

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

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

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

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and Filter	170. Elements in NOSHOW on Layers	Yes
	171. Elements in SHOW on Layers	Yes
	172. Filter and Layer Definition	No
	173. Permitted Element Types on Layers	Yes
	174. Unused Filter [O-GL-GL]	Yes
Norms and Standards\Graphic	175. Non-Allowed B-Rep/Feature Color	Yes
	176. Non-Allowed B-Rep/Feature Transparency	Yes
Methodology\General	177. Deactivated Knowledgeware Relation	No
	178. Non-Allowed Geometry Scale	No
	179. Non-Allowed Infinite Lines	No
	180. Non-Allowed Knowledgeware Relation Check Status	No
	181. Non-Allowed Models/Catalogs/... in Session	No
	182. Non-Allowed User-Defined Properties of Root-Product/Part	Yes
	183. Unresolved (Non-Synchronized) Knowledgeware Relation	No
	184. User-Defined Properties Not Applied to Root-Product/Part	Yes
Methodology\Product	185. Assembly Constraints Must Reference Published Elements	No
	186. At least one Constraint per Product	No
	187. Degree of Freedom of Product Components	No
	188. Flexible Product/Structure Component	No
	189. Kinematics Degree of Freedom of Mechanism Equals Zero	No
	190. Non-Allowed Link Target	No
	191. Non-Allowed MML (Multi-Model-Link) in Product-Context	No
	192. Non-Allowed Path for Linked Document	No
	193. Non-Allowed Positioning Matrix	No
	194. Non-Allowed Shape Component Type	No
	195. Non-Identity Positioning Matrix	No
	196. Non-Isometric Positioning Matrix	No
	197. Product Clash Detection	No
	198. Product Component Seal	No
	199. Product component with broken link to CATPart/CATProduct	No
	200. Structure of Product Specification Tree	No
	201. The Same Feature Registered in More Than One DMU-Group [O-GL-IG]	No
	202. User Defined Properties Not Applied to Part Component	No
Methodology\CATPart	203. Area Ratio of Surfaces in Specific Bodies	No
	204. Associative Elements (Parent/Children) in Specific Bodies	No
	205. Center of Gravity	Yes
	206. Constraints Referencing the H or V Axis	No
	207. Construction Order of Solid Features in Bodies	No
	208. Coordinates-Point Definition	No
	209. Edge/Variable-Radius/Chordal Fillets Definition	No

FOLDER	CRITERION NAME	HEALING
	210. Elements without Child Elements in Specific Bodies	Yes
	211. Feature Must Exist in Specific Bodies	No
	212. Features with External Links (Multi-Model-Link) in Part	Yes
	213. Healing Definition	No
	214. Inverted Surface Orientation Corresponds to Thick Surface Orientation	Yes
	215. Join Definition	No
	216. MML (Multi-Model-Link) Reference Not Published	No
	217. MML (Multi-Model-Link) Reference Not Published (by Name Evaluation)	No
	218. Material Orientation corresponds to Surface Orientation	Yes
	219. Non-Allowed Component Formula in Part	Yes
	220. Non-Allowed Direction of Offset Surface Feature	No
	221. Non-Allowed Input Reference to Vertex / Edge / Face	No
	222. Non-Allowed Isolated External References Set	No
	223. Non-Allowed MML (Multi-Model-Link)	No
	224. Non-Allowed Parent/Child Relationship	No
	225. Non-Allowed Path of Parent Feature	No
	226. Non-Allowed Solid Feature Mixed With Boolean Feature	No
	227. Offset Capability (Thick Surface) of Thin Parts	No
	228. Offset Capability of Surface	No
	229. Only One Surface Allowed in Specific Bodies	No
	230. Only one Curve in Sketch	No
	231. Open Body in Body	No
	232. Permitted Body for non-associative Datum Features	No
	233. Saving as V4 Data	No
	234. Shell Definition	No
	235. Sketch Not Fully Constrained	No
	236. Structure of Part Specification Tree	Yes
	237. Surface Must Exist in Specific Bodies	No
	238. Surface Must Have Thin Part Attribute in Specific Bodies	Yes
	239. Thick Surface Definition	No
	240. Thin Part Orientation corresponds to Surface Orientation	No
	241. Thread Definition	No
Methodology\Process	242. Activated NC Macros Must Exist	No
	243. Consistent Settings for Machining Operations	No
	244. Machining Operation Feeds and Speeds Properties	No
	245. Machining Operation Strategy Properties	No
	246. NC Machine Numerical Control Properties	No
	247. NC Machining Fixture	No
	248. NC Machining Rough Stock	No
	249. NC Machining Safety Plane	No
	250. NC Machining Simulation Stock Accuracy	No
	251. Non-Allowed Machining Operation Tool Name	No
	252. Non-Allowed NC Machine	No

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	253. Non-Allowed NC Machine PPWords Table	No
	254. Non-Allowed PPWords	No
Methodology\CATAnalysis	255. Non-Allowed OCTREE Tetrahedron Mesh Element Type	No
Methodology\FT/A	256. Active Capture	Yes
	257. Annotation Content Does Not Correspond to Root Feature Properties	No
	258. Camera Name Must Match Capture Name	Yes
	259. Capture Definition	No
	260. Capture Name Must Match View Name	No
	261. FT/A Fake Dimensions	Yes
	262. FT/A Reference Frame Must Exist	No
	263. FT/A Reference System Must Exist	Yes
	264. FT/A Tolerancing Standard	No
	265. FT/A Types Must Be Assigned to Specific Captures	Yes
	266. Geometry Linked to FT/A	Yes
	267. Non-Allowed Activation Status of Annotation Set	Yes
	268. Non-Allowed Basic Dimension Reference	No
	269. Non-Allowed Empty FT/A Views	No
	270. Non-Allowed FT/A Elements Without Text Content	No
	271. Non-Allowed Link of FT/A Elements	No
	272. Non-Allowed Semantic/Non-Semantic FT/A Elements	No
	273. Occurrences of FT/A Types in Captures	No
	274. Only one FT/A Link per BRep Element of Geometry	No
	275. Permitted FT/A Type in Specific Capture	No
	276. Permitted NOA Attributes	No
	277. Separator for Geometrical Tolerance	Yes
	278. Unused FT/A Datums	No
	279. View Name Must Match Capture Name	Yes
	280. View Orientation Corresponds to Camera Orientation	No
Methodology\Sheetmetal	281. Conical Bend Definition	No
	282. Cylindrical Bend Definition	No
	283. Fold/Unfold-Sheet Metal Visualization	No
	284. Sheet Metal Parameters	No
Methodology\Composite	285. Composite Material Catalog Path	No
	286. Composite Material Parameter State	No
	287. Ply Definition	No
	288. Ply Surface Must Match PlyGroup Surface	No
	289. Ply with Invalid or not up-to-date Contour	No
Methodology\Equipment\ General	290. Unlinked Supports in GBN	No
Methodology\Equipment\ Electrics	291. Bundle Segment Properties	No
	292. Closed Electrical Conductor Loop	No
	293. Consistency of Branchables in Multi-Branchable	Yes
	294. Consistency of Bundle Segments in Multi-Branchable	No
	295. Electric Segment Topology	No

FOLDER	CRITERION NAME	HEALING
	296. Electrical Data Availability	Yes
	297. Electrical Protective Coverings	No
	298. Electrical Reference Designator	No
	299. Electrical Support Points Must Lie on Electrical Support Planes	No
	300. Electrical Topology	Yes
	301. Empty Multi-Branchable / Bundle Segment Part	Yes
	302. Light Electrical Protective Coverings	No
	303. Lost Electrical Properties of Curve	No
	304. Multipart Bundle Segment	No
	305. Non-allowed Electrical Root/Components Type	No
	306. Only One Electrical Network per Harness	No
	307. Open Electrical Segment End	No
	308. Segment Extremity Name	Yes
	309. Segment Name	Yes
	310. Support Plane must be Parallel to Reference Plane	No
	311. Unused Devices	No
	312. Unused Electrical Elements in Part	Yes
Geometry\Curve Features\Curves	313. Fragmented Curve [G-CU-FG]	No
	314. High-Degree Curve [G-CU-HD]	No
	315. Indistinct Knots in NURBS Curve [G-CU-IK]	No
	316. Large Curve Segment Gaps (G0 Discontinuity) [G-CU-LG]	No
	317. Linear Curves with Polynomial Degree greater than 1 [G-CU-ID]	No
	318. Non-Smooth Curve Segments (G2 Discontinuity) [G-CU-NS]	No
	319. Non-Tangent Curve Segments (G1 Discontinuity) [G-CU-NT]	No
	320. Small Curve Radius of Curvature [G-CU-CR]	No
	321. Tiny Curve Segment [G-CU-TI]	No
	322. Tiny Curve [G-CU-TI]	No
	323. Wavy Planar Curve [G-CU-WV]	No
Geometry\Curve Features\Wires	324. Embedded Wires and Points [G-CU-EM]	No
	325. Large Curve Gaps (G0 Discontinuity) [G-CU-LG]	No
	326. Non-Smooth Curves (G2 Discontinuity) [G-CU-NS]	No
	327. Non-Tangent Curves (G1 Discontinuity) [G-CU-NT]	No
	328. Self-Intersecting Wire [G-CU-IS]	No
	329. Tiny Wire [G-CU-TI]	No
Geometry\Curve Features\General	330. Multi-Domain Curve [G-CU-MU]	No
Geometry\Solid\Surface Features\Surfaces	331. Analytical/Procedural (Non-NURBS) Face Support Surface [G-FA-AN]	No
	332. Big Curvature Radius in Surface [G-SU-CR]	No
	333. Degenerate Surface Segment Boundary [G-SU-DC]	No
	334. Degenerate Surface Segment Corner [G-SU-DP]	No
	335. Embedded Surfaces [G-SU-EM]	No

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	336. Folded Surface [G-SU-FO]	No
	337. Fragmented Surface [G-SU-FG]	No
	338. High Number of Control Points in NURBS Surface [G-SU-xx]	No
	339. High-Degree Surface [G-SU-HD]	No
	340. Indistinct Knots in NURBS Surface [G-SU-IK]	No
	341. Large Surface Segment Gaps (G0 Discontinuity) [G-SU-LG]	No
	342. Multi-Face Surface [G-SU-MU]	No
	343. Narrow Surface Segment [G-SU-NA,G-SU-RN]	Yes*
	344. Non-Smooth Surface Segments (G2 Discontinuity) [G-SU-NS]	No
	345. Non-Tangent Surface Segments (G1 Discontinuity) [G-SU-NT]	No
	346. Planar Surfaces with Polynomial Degree greater than 1 [G-SU-xx]	No
	347. Self-Intersecting Surface [G-SU-IS]	No
	348. Small Curvature Radius in Surface [G-SU-CR]	No
	349. Small Curvature Radius in Thin-Part Surface	No
	350. Tiny Surface [G-SU-TI]	Yes*
	351. Undefined Surface Normal [G-SU-xx]	No
	352. Unused Surface Segment Rows [G-SU-UN]	No
	353. Wavy Surface [G-SU-WV]	No
Geometry\Solid\Surface Features\Face Edges	354. Analytical/Procedural (Non-NURBS) Face Edge [G-ED-AN]	No
	355. Closed Face Edge [G-ED-CL]	No
	356. Fragmented Face Edge [G-ED-FG]	No
	357. Tiny Face Edge Segment [G-ED-TI]	Yes*
	358. Tiny Face Edge [G-ED-TI]	Yes*
Geometry\Solid\Surface Features\Face Loops	359. Inconsistent Face Edge Orientation in Loop [G-LO-IT]	No
	360. Large Face Edge Gap [G-LO-LG]	Yes*
	361. Self-Intersecting Face Loop [G-LO-IS,G-FA-IS]	Yes*
	362. Sharp Face Edge Angle [G-LO-SA]	No
Geometry\Solid\Surface Features\Faces	363. Closed Face [G-FA-CL]	No
	364. Embedded Faces [G-FA-EM]	No
	365. Inconsistent Face Orientation on Surface [G-FA-IT]	No
	366. Large Face Edge to Surface Gap [G-FA-EG]	No
	367. Narrow Face Region [G-FA-RN]	No
	368. Narrow Face [G-FA-NA,G-FA-RN]	Yes*
	369. Relative Narrow Face	No
	370. Tangent-Continuous Narrow Face [G-FA-NA,G-FA-RN]	No
	371. Tiny Face [G-FA-TI]	Yes*
Geometry\Solid\Surface Features\Shells/Volumes	372. Calculation of Shells/Volumes [G-SH-xx]	No
	373. Inconsistent Face Orientation in Shell/Volume [G-SH-IT]	No
	374. Inconsistent Surface Orientation on Shell/Volume [G-FA-IT,G-SH-IT]	No

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	375. Intersection of Solids/Skins	No
	376. Large Face Gaps (G0 Discontinuity) [G-SH-LG]	Yes*
	377. Non-Smooth Faces (G2 Discontinuity) [G-SH-NS]	No
	378. Non-Tangent Faces (G1 Discontinuity) [G-SH-NT]	Yes*
	379. Open or Overlapping Shell/Volume [G-SH-FR]	No
	380. Over-Used Edge [G-SH-NM]	No
	381. Over-Used Vertex [G-SH-OU]	No
	382. Self-Intersecting Shell/Volume [G-SH-IS,G-SO-IS]	No
	383. Sharp Face Angle [G-SH-SA]	No
	384. Step Edge on Boundary of Shell	No
	385. Tangent continuous boundary of Shell	No
Geometry\Solid/Surface Features\General	386. Embedded Solids [G-SO-EM]	Yes
	387. Embedded Surface Features (Shells) [G-SO-EM]	Yes
	388. Empty Domains	No
	389. Multi-Domain Surface (Shell) [G-SO-MU]	No
	390. Multi-Volume Solid [G-SO-MU]	No
	391. Non-Allowed Chamfer Angle	No
	392. Non-Allowed Chamfer Lengths	No
	393. Non-Allowed Solid Fillet Radius	Yes
	394. Non-Allowed Surfacic Fillet Radius	Yes
	395. Solid Void [G-SO-VO]	No
	396. Solid Wall Thickness	No
	397. Tiny Solid [G-SO-TI]	Yes
Geometry\Model	398. Hybrid Model [G-MO-HY]	No
Geometry\Views	399. Embedded Drawing Element [G-DW-EM]	Yes
	400. 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