

The following criteria are available in Q-Checker 1.14.1 for CATIA V4:

FOLDER	CRITERION NAME	HEALING
Batch Criteria	1. CATCLEAN Category 1	Yes
	2. CATCLEAN Category 2	Yes
	3. CATCLEAN Category 3	Yes
	4. Solid Updateable	Yes
	5. View not updated	Yes
PreProcessing	6. Analyse inertia of solids	No
	7. Delete 3D-Texts	No
	8. Force Update of Solids	No
	9. Publish solids	No
	10. Reframe the Current Screen	No
	11. Set Color Table	No
	12. Set/Reset GHOST Attribute for Parents of Solids	No
	13. Specific Setting of Element Types to Layers	Yes
Internal Data Consistency	14. Consistency of Attributes in current PROJECT Environment	Yes
	15. Consistency of Dimensions and Texts in current PROJECT Environment	Yes
	16. Consistency of Patterns in current PROJECT Environment	Yes
	17. MODEL DIMENSION	No
	18. Model Size	No
	19. Model Standards	Yes
	20. Model Tolerances	No
	21. Model Unit	No
	22. Permitted Combinations of INDEX and DATA	No
	Norms and Standards\Saved Model State	23. Current 2D/3D Working Mode
24. Current Axis System		Yes
25. Current Draft		Yes
26. Current Graphic Display Mode of the Model		Yes
27. Current Layer		Yes
28. Current Screen		Yes
29. Current Set		Yes
30. Current View		Yes
31. Current Window Definition		Yes
32. Current Working Mode		Yes
33. Current Workspace Layer-Filter		Yes
34. Current Workspace must be *MASTER		Yes
35. Identify Renumber		No
36. Non-Allowed CATIA Version and Release		No
37. Non-Allowed Last Modification Date of Document		No
Norms and Standards\Graphic	38. Color Mode by SET/LAYER/TYPERVIEW	Yes
	39. Element Color not NONE	Yes
	40. Empty Shapes	No

## Q-Checker 1.14.1 for CATIA V4 – Criteria overview



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	41. Selected Graphic Attributes of Faces	Yes
	42. Selected Graphic Attributes of Skins	Yes
	43. Selected Graphic Attributes of Solids	Yes
	44. Selected Graphic Attributes of Surfaces	Yes
	45. Selected Graphic Attributes of Volumes	Yes
	46. Selected Graphic Standard for Faces	Yes
	47. Selected Graphic Standard of Draw Elementes	Yes
	48. Selected Graphic Standard of Solids	No
	49. Selected Graphic Standard of Space Elementes	Yes
	50. Selected Graphic Standard of Surfaces	Yes
Norms and Standards\Texts	51. Existence and Content of Texts	No
	52. Iges-conform texts	No
	53. Selected Standard of TEXTD2 Element Attributes	No
	54. Selected Standard of TEXTD2 Standard	Yes
	55. Selected TEXTD2 Element Attributes	Yes
	56. Selected TEXTD2 Standard	Yes
Norms and Standards\COMMENT/Names	57. Axis Name [O-CS-CN]	Yes
	58. Detail Name	No
	59. Draft Name	Yes
	60. Element Name	Yes
	61. Filter Name	No
	62. Law Name	Yes
	63. Model COMMENT	No
	64. Model Name	No
	65. Screen Name	No
	66. Set Name	No
	67. Solid Names match MODEL Name	Yes
	68. Symbol Name	No
	69. Transformation Name	Yes
	70. VIEW Name Must Match DRAFT Name	No
71. View Name	Yes	
72. Window Name	No	
Norms and Standards\Workspaces	73. Compact/Standard Dittos	Yes
	74. Compact/Standard Symbols	Yes
	75. Detail used in Details	No
	76. Identical Details	Yes
	77. Identical Symbols	Yes
	78. Library Detail	Yes
	79. Library Symbol	Yes
	80. Unused Details	Yes
	81. Unused Symbol	Yes
Norms and Standards\Sets	82. Allowed Sets in *MASTER Workspace	Yes
	83. Empty Set	Yes
	84. Only one Set in *MASTER Workspace	Yes
	85. Set must exist in *MASTER Workspace	No

## Q-Checker 1.14.1 for CATIA V4 – Criteria overview



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Norms and Standards\Drafts/Views	86. AUXVIEW Type Views	No
	87. Copied View	No
	88. Draft/View must exist	No
	89. Drawing Frame/Header as Ditto	No
	90. Empty View must exist	No
	91. Empty Views	Yes
	92. Existence and Filling of Attributes Assigned to Ditto	No
	93. Only One Axis System in View	No
	94. Only one Draft	No
	95. Only one View in each Draft	No
	96. Transparency Views	No
	97. View Frames [D-OR-VF]	No
	98. View Scaling	No
	99. View must exist on every Draft	No
Norms and Standards\Elements\General	100. Axis System must exist in *MASTER Workspace	No
	101. Conditional Feature Properties	No
	102. Identical 3D Dittos	Yes
	103. Logically linked Elements (PARENTS) in PICK	Yes
	104. Logically linked Elements (PARENTS) in SHOW	Yes
	105. Model Splitting SPACE/DRAW	No
	106. No Space Geometry outside Working Area [O-CM-OB]	Yes
	107. No isolated Faces/Surfaces	No
	108. No unfixed Axis System	No
	109. Permitted Element Types in Model	Yes
	110. Permitted Element Types in NOPICK	Yes
	111. Permitted Element Types in NOSHOW	Yes
	112. Permitted Element Types in SHOW	Yes
	113. Reverse Axis System	No
	114. Specific Attributes Not Applied to Element	No
115. User Geometric Elements	Yes	
Norms and Standards\Elements\Drawing	116. Fake Dimensions	Yes
	117. Identical 2D Dittos	Yes
	118. Isolated Dimension	Yes
Norms and Standards\Solids	119. Allowed Solid Primitives	No
	120. Imported Solids	No
	121. Inactive Primitives in Solid	Yes
	122. Missing Solid Construction History	No
	123. Multi-Solid Part (Model) [G-MO-MU]	No
	124. One Solid, at least, in model	No
	125. Shared Base Geometry in Solids	No
	126. Smart/Unsmart Solid	Yes
	127. Solid Update	Yes
	128. Unresolved Primitives in Solid	No
	129. Unused Primitives in Solid	No

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	130. Unused Solid Construction Geometry	Yes
Norms and Standards\Layer and Filter	131. Elements in NOSHOW on Layers	Yes
	132. Elements in SHOW on Layers	Yes
	133. Filters which contain no Entity on their visible Layers	Yes
	134. Layer-Filter on Dittos	Yes
	135. Layer-Filter on Views	Yes
	136. Logically linked Elements (PARENTS) on same Layer	Yes
	137. Names of Filter and its visible Layers	Yes
	138. Permitted Element Types on Layers	Yes
Geometry\Curves	139. Embedded Curves and Points [G-CU-EM]	Yes
	140. Fragmented Curve [G-CU-FG]	No
	141. High-Degree Curve [G-CU-HD]	No
	142. Indistinct Knots in NURBS Curve [G-CU-IK]	No
	143. Large Curve Segment Gaps (G0 Discontinuity) [G-CU-LG]	No
	144. Linear Curves with Polynomial Degree greater than 1 [G-CU-ID]	No
	145. Non-Smooth Curve Segments (G2 Discontinuity) [G-CU-NS]	No
	146. Non-Tangent Curve Segments (G1 Discontinuity) [G-CU-NT]	No
	147. Self-Intersecting Curve [G-CU-IS]	No
	148. Small Curve Radius of Curvature [G-CU-CR]	No
	149. Tiny Curve Segment [G-CU-TI]	No
	150. Tiny Curve [G-CU-TI]	Yes
	151. Wavy Planar Curve [G-CU-WV]	No
	Geometry\Surfaces	152. Big Surface Radius of Curvature [G-SU-CR]
153. Degenerate Surface Segment Boundary [G-SU-DC]		No
154. Degenerate Surface Segment Corner [G-SU-DP]		No
155. Embedded Surfaces [G-SU-EM]		Yes
156. Folded Surface [G-SU-FO]		No
157. Fragmented Surface [G-SU-FG]		No
158. High Number of Control Points in NURBS Surface [G-SU-xx]		No
159. High-Degree Surface [G-SU-HD]		No
160. Indistinct Knots in NURBS Surface [G-SU-IK]		No
161. Large Surface Segment Gaps (G0 Discontinuity) [G-SU-LG]		No
162. Multi-Face Surface [G-SU-MU]		No
163. Narrow Surface Segment [G-SU-NA,G-SU-RN]		No
164. Non-Smooth Surface Segments (G2 Discontinuity) [G-SU-NS]		No
165. Non-Tangent Surface Segments (G1 Discontinuity) [G-SU-NT]		No
166. Small Surface Radius of Curvature [G-SU-CR]		No

FOLDER	CRITERION NAME	HEALING
	167. Tiny Surface [G-SU-TI]	Yes
	168. Non-Uniform Polynomial Degree of Patches in Surfaces [G-SU-xx]	No
	169. Planar Surfaces With Polynomial Degree Greater Than 1 [G-SU-xx]	No
	170. Undefined Surface Normal [G-SU-xx]	No
	171. Unused Surface Segment Rows [G-SU-UN]	No
	172. Wavy Surface [G-SU-WV]	No
Geometry\Face Edges	173. Closed Face Edge[G-ED-CL]	No
	174. Fragmented Face Edge [G-ED-FG]	No
	175. Large Face Edge Segment Gap [G-ED-LG]	No
	176. Tiny Face Edge Segment [G-ED-TI]	No
	177. Tiny Face Edge [G-ED-TI]	No
Geometry\Face Loops	178. Inconsistent Face Edge Orientation in Loop [G-LO-IT]	No
	179. Large Face Edge Gap [G-LO-LG]	No
	180. Self-Intersecting Face Loop [G-LO-IS,G-FA-IS]	No
	181. Sharp Face Edge Angle [G-LO-SA]	No
Geometry\Faces	182. Closed Face[G-FA-CL]	No
	183. Embedded Faces [G-FA-EM]	Yes
	184. Large Face Edge to Surface Gap [G-FA-EG]	No
	185. Narrow Face [G-FA-NA,G-FA-RN]	Yes
	186. Tiny Face [G-FA-TI]	Yes
Geometry\Shells/Volumes	187. Calculation of Shells/Volumes [G-SH-xx]	No
	188. Inconsistent Surface Orientation on Shell/Volume [G-FA-IT,G-SH-IT]	Yes
	189. Large Face Gaps (G0 Discontinuity) [G-SH-LG]	No
	190. Non-Smooth Faces (G2 Discontinuity) [G-SH-NS]	No
	191. Non-Tangent Faces (G1 Discontinuity) [G-SH-NT]	No
	192. Open or Overlapping Shell/Volume [G-SH-FR]	No
	193. Over-Used Edge [G-SH-NM]	No
	194. Over-Used Vertex [G-SH-OU]	No
	195. Self-Intersecting Volume/Skin [G-SH-IS,G-SO-IS]	No
	196. Sharp Face Angle [G-SH-SA]	No
Geometry\Solid/SKD\Surfaces	197. Big Surface Radius of Curvature in Solid/SKD [G-SU-CR]	No
	198. Degenerate Surface Segment Boundary in Solid/SKD [G-SU-DC]	No
	199. Degenerate Surface Segment Corner in Solid/SKD [G-SU-DP]	No
	200. Embedded Surfaces in Solid/SKD [G-SU-EM]	No
	201. Folded Surface in Solid/SKD [G-SU-FO]	No
	202. Fragmented Surface in Solid/SKD [G-SU-FG]	No
	203. High Number of Control Points in NURBS Surface in Solid/SKD [G-SU-xx]	No
	204. High-Degree Surface in Solid/SKD [G-SU-HD]	No

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	205. Indistinct Knots in NURBS Surface in Solid/SKD [G-SU-IK]	No
	206. Large Surface Segment Gaps (G0 Discontinuity) in Solid/SKD [G-SU-LG]	No
	207. Multi-Face Surface in Solid/SKD [G-SU-MU]	No
	208. Narrow Surface Segment in Solid/SKD [G-SU-NA,G-SU-RN]	No
	209. Non-Smooth Surface Segments (G2 Discontinuity) in Solid/SKD [G-SU-NS]	No
	210. Non-Tangent Surface Segments (G1 Discontinuity) in Solid/SKD [G-SU-NT]	No
	211. Planar Surfaces with Polynomial Degree greater than 1 in Solid/SKD [G-SU-xx]	No
	212. Small Surface Radius of Curvature in Solid/SKD [G-SU-CR]	No
	213. Tiny Surface in Solid/SKD [G-SU-TI]	No
	214. Undefined Surface Normal in Solid/SKD [G-SU-xx]	No
	215. Unused Surface Segment Rows in Solid/SKD [G-SU-UN]	No
	216. Wavy Surface in Solid/SKD [G-SU-WV]	No
	Geometry\Solid/SKD\Face Edges	217. Closed Face Edge in Solid/SKD [G-ED-CL]
	218. Fragmented Face Edge in Solid/SKD [G-ED-FG]	No
	219. Large Face Edge Segment Gap in Solid/SKD [G-ED-LG]	No
	220. Tiny Face Edge Segment in Solid/SKD [G-ED-TI]	No
	221. Tiny Face Edge in Solid/SKD [G-ED-TI]	No
	Geometry\Solid/SKD\Face Loops	222. Inconsistent Face Edge Orientation in Loop in Solid/SKD [G-LO-IT]
	223. Large Face Edge Gap in Solid/SKD [G-LO-LG]	No
	224. Self-Intersecting Face Loop in Solid/SKD [G-LO-IS,G-FA-IS]	No
	225. Sharp Face Edge Angle in Solid/SKD [G-LO-SA]	No
Geometry\Solid/SKD\Faces	226. Closed Face in Solid/SKD [G-FA-CL]	No
	227. Embedded Faces in Solid/SKD [G-FA-EM]	No
	228. Large Face Edge to Surface Gap in Solid/SKD [G-FA-EG]	No
	229. Narrow Face in Solid/SKD [G-FA-NA,G-FA-RN]	No
	230. Tangent-Continuous Narrow Face in Solid/SKD [G-FA-NA,G-FA-RN]	No
	231. Tiny Face in Solid/SKD [G-FA-TI]	No
Geometry\Solid/SKD\Shells/Volumes	232. Inconsistent Surface Orientation on Shell/Volume in Solid/SKD [G-FA-IT,G-SH-IT]	No

FOLDER	CRITERION NAME	HEALING
	233. Large Face Gaps (G0 Discontinuity) in Solid/SKD [G-SH-LG]	No
	234. Non-Smooth Faces (G2 Discontinuity) in Solid/SKD [G-SH-NS]	No
	235. Non-Tangent Faces (G1 Discontinuity) in Solid/SKD [G-SH-NT]	No
	236. Open or Overlapping Shell/Volume in Solid/SKD [G-SH-FR]	No
	237. Over-Used Edge in Solid/SKD [G-SH-NM]	No
	238. Over-Used Vertex in Solid/SKD [G-SH-OU]	No
	239. Self-Intersecting Shell/Volume in Solid/SKD [G-SH-IS,G-SO-IS]	No
	240. Sharp Face Angle in Solid/SKD [G-SH-SA]	No
Geometry\Solid/SKD\General	241. Embedded Solids [G-SO-EM]	Yes
	242. Multi-Volume Solid [G-SO-MU]	No
	243. Solid Void [G-SO-VO]	No
	244. Tiny Solid [G-SO-TI]	Yes
Geometry\Drawing	245. Embedded Drawing Elements [G-DW-EM]	Yes
	246. High-Degree Drawing Element [G-DW-HD]	No
	247. Tiny Drawing Element Segment [G-DW-TI]	No
	248. Tiny Drawing Element [G-DW-TI]	Yes