

Criteria available in Q-Checker for V5 Release 5.4.0

Folder	Criterion name	Healing
Batch Criteria	CATDUAV5 Priority 1	No
	CATDUAV5 Priority 2	No
	CATDUAV5 Priority 3	No
	DataLifeCycle CATDUA	No
PreProcessing	Perform CATDUAV5 Clean	No
	Perform Product/Part Update	No
	Perform Solid Update	No
	Fit All In	No
	Reset Graphic Properties	No
	Recompute the Tool Path for Machining Operations	No
Norms and Standards\General	CATDUAV5	No
Norms and Standards\Texts	2D-Component Text Must Match Sheet Property	Yes
	Content of Root Feature Attribute	No
	Formula Must Exist	No
	Feature without Annotation Note	No
	Non-Allowed Formula Value	Yes
	Parameter Must Exist and Content Must Match Root-Feature Name	Yes
	Existence and Text Content of Parameters	Yes
	Existence and Text Content of Parameters in Drawing	Yes
	Existence and Text Content of Parameters in Part	Yes
	Existence and Text Content of Parameters in Product	Yes
	Parameter Not Linked to Text	No
	Permitted Text Fonts	Yes
	Existence and Content of Applicative Feature Attribute	Yes
	Selected Text/Dimension Attributes	Yes
	Text Content Must Match Sheet Format	No
	Existence and Content of Texts	Yes
Text Not Linked to Parameter	No	
Norms and Standards\Elements\General	Activated Feature	Yes

Folder	Criterion name	Healing
	Allowed Dimension Unit	No
	Permitted Element Types in Model	Yes
	Permitted Element Types in NO PICK	Yes
	Permitted Element Types in NOSHOW	Yes
	Permitted Element Types in PICK	Yes
	Permitted Element Types in SHOW	Yes
	Conditional Feature Properties	Yes
	Elements in Specific Bodies Must Be Published	No
	Empty Body Must Exist	No
	The Same Feature Registered in More Than One Body [O-GL-IG]	No
	No Space Geometry Outside Working Area [O-CM-OB]	Yes
	No Space Geometry Outside Working Area in Product	Yes
	Deactivated Feature	Yes
	Non-Allowed Associative Feature	Yes
	Low Intensity	Yes
	Maximum Number of Elements	No
	Non-Allowed Assembly Constraints	No
	Unresolved Feature	Yes
	Parameter Properties	No
	Permitted Surface Feature Types in Specific Bodies	No
	Empty Body	Yes
	User defined Feature [O-EL-UD]	No
	Visualization State of Published Entities	Yes
Norms and Standards\Elements\Axis Systems	Axis-System Name [O-CS-CN]	Yes
	Allowed Axis-System Position	Yes
	Current Axis System	Yes
	Non-Reference Axis System Active [O-CS-NR]	Yes
	Non-Standard Axis System [O-CS-NO]	No
Norms and Standards\Elements\Drawings	Non Associative Drawing Entities (on 3D)	Yes
	Drawing Picture Properties	No
	Fake Dimensions	Yes
	Identical 2D Components	Yes

Folder	Criterion name	Healing
	Non-Allowed Element Type in 2D Component	No
	Non-Allowed Overlapping Feature	No
	Non Associative Dimensions (on 3D)	Yes
	Non-Standard Display Accuracy of Dimension [D-OR-DI]	Yes
	Non up-to-date Dimensions	Yes
	Scale Text Must Match View Scale Value	No
Norms and Standards\Elements\Sketches	Empty Sketch	Yes
	Non-Allowed Deactivated Elements in Sketch	No
	Non-Allowed Sketch Constraint Types	No
	Non-Allowed Sketch Element Linked to Origin	No
	Non-Allowed Sketch Positioning Type	Yes
	Non-Allowed Types in Sketch	No
	Open Sketch	No
Norms and Standards\Solids	Allowed Solid Features	No
	One Solid, at least, in Part	No
	Maximum Number of Solid Features per Body	No
	Missing Solid Construction History [O-SO-MH]	No
	Multi-Solid Part (Model) [G-MO-MU]	No
	Negative Bodies / Sub-Bodies	No
	Number of Visible Faces	No
	Solid Feature with Child Elements	No
	Only one Profile per Solid Feature	No
	Unused Solid Construction Geometry	No
	Solid Update	Yes
Norms and Standards\Layer and Filter	Permitted Element Types on Layers	Yes
	Current Filter for Layer Group [O-GL-LA]	Yes
	Elements in NOSHOW on Layers	Yes
	Elements in SHOW on Layers	Yes
	Filter and Layer Definition	No
	Unused Filter [O-GL-GL]	Yes
Norms and Standards\Description/Names	CATPart Name	No

Folder	Criterion name	Healing
	Coherence between Product Component Name and associated File Name	No
	Model Definition	Yes
	Detail-Sheet Name	Yes
	Detail-View Name	Yes
	Sheet Name	Yes
	CATDrawing Name	No
	Element Name	Yes
	Instance Name Must Match Part Number	Yes
	Layer Name	No
	Filter Name	No
	Model Description	Yes
	Model Name	No
	Model Nomenclature	Yes
	Non-Standard Feature Name [O-EL-EN]	No
	Product Component Name	No
	CATProduct Name	No
	Published Element Name	Yes
	Publication Name Must Match Published Element Name	Yes
	Result Element Name Must Match Body Name	Yes
	Model Revision	No
	Root-Part Name (Part Number)	Yes
	Root Part Name (Part Number) Must Match CATPart Name	Yes
	Root-Product Name	Yes
	Root-Product Name Must Match CATProduct Name	Yes
	Solid Names Must Match CATPart Name	Yes
	Model Source	No
View Name	Yes	
View Name Must Match Sheet Name	No	
Norms and Standards\Saved Model State	Product/Part update	Yes
	Current Window View	Yes
	Current Work Object	Yes
	Maximum Document File Size	No

Folder	Criterion name	Healing
	Non-Allowed CATIA Version and Release	No
	Non-Allowed Educational Licence	No
Norms and Standards\Sheets/Views	Nested 2D Component	No
	Empty Detail Sheets	Yes
	Empty Detail Views	Yes
	Drafting Standard Corresponds to Reference Document Standard	No
	Only one Sheet per Drawing	No
	Only one View in each Sheet	No
	Drawing Frame/Header as 2D Component	No
	Drafting Standard Name	Yes
	Active Sheet	Yes
	Locked Views	Yes
	CATPart/CATProduct Name linked to View Must Match CATDrawing Name	No
	No active Background Detail View	Yes
	No active Background View	Yes
	No active Detail View in Detail Sheet	Yes
	No active View in Sheet	Yes
	Non-Allowed View Generation Mode	No
	Non-Exposed/Exploded 2D-Component	Yes
	View Outside of Sheet	Yes
	Permitted Generative View Style	No
	Scale of External 2D Component	Yes
	Empty Sheets	Yes
	Sheet Format	No
	Sheet Must Exist	No
	Sheet Projection Method	No
	Sheet Scaling	No
	Sheet Frame	Yes
	Non-Allowed Sheet Size	No
	Unused Details	Yes
	View Angle	Yes
	View Dress-up Properties	No
Empty Views	Yes	
Empty View must exist	No	

Folder	Criterion name	Healing
	View Frames [D-OR-VF]	No
	View Frame Visibility	Yes
	View Generation Mode Options	No
	Sheet/View must exist	No
	View Name is the Same in Specification Tree and in the View	No
	View not linked to CATPart/CATProduct	No
	View Scaling	No
	View Update	Yes
	View with broken link to CATPart/CATProduct	No
Norms and Standards\Settings	Display Performance	Yes
	Machining Settings	No
	Magnitude Length	No
	Geometry Scale	No
	Display in Specification Tree	Yes
	View Mode	Yes
Norms and Standards\Material	Material Assignment is Allowed for Element Type	No
	Material Assignment Must Exist for Element Type	No
	Linked/Unlinked Material	No
	Material Corresponds to Material Reference Catalog	No
	User-Defined Property Value Must Match Material in Catalog	No
Norms and Standards\Graphic	Non-Allowed B-Rep/Feature Color	Yes
	Non-Allowed B-Rep/Feature Transparency	Yes
Methodology\FT/A	Active Capture	Yes
	Occurrences of FT/A Types in Captures	No
	FT/A Types Must Be Assigned to Specific Captures	Yes
	Camera Name Must Match Capture Name	Yes
	Capture Definition	No
	Capture Name Must Match View Name	No
	Non-Allowed Basic Dimension Reference	No

Folder	Criterion name	Healing
	Permitted NOA Attributes	No
	FT/A Reference Frame Must Exist	No
	FT/A Fake Dimensions	Yes
	Non-Allowed Link of FT/A Elements	No
	Geometry Linked to FT/A	Yes
	Non-Allowed Activation Status of Annotation Set	Yes
	Non-Allowed Empty FT/A Views	No
	Non-Allowed FT/A Elements Without Text Content	No
	Non-Allowed Semantic/Non-Semantic FT/A Elements	No
	Unused FT/A Datums	No
	Only one FT/A Link per BRep Element of Geometry	No
	Permitted FT/A Type in Specific Capture	No
	Separator for Geometrical Tolerance	Yes
	FT/A Reference System Must Exist	Yes
	FT/A Tolerancing Standard	No
	Annotation Content Does Not Correspond to Root Feature Properties	No
	View Orientation Corresponds to Camera Orientation	No
	View Name Must Match Capture Name	Yes
Methodology\Process	Activated NC Macros Must Exist	No
	Non-Allowed NC Machine	No
	Consistent Settings for Machining Operations	No
	Machining Operation Feeds and Speeds Properties	No
	Machining Operation Strategy Properties	No
	NC Machine Numerical Control Properties	No
	NC Machining Simulation Stock Accuracy	No
	NC Machining Operation Drill Points	No
	Non-Allowed NC Machine PPWords Table	No
	Non-Allowed Machining Tool Name/Number	No



Folder	Criterion name	Healing
	Non-Allowed PPWords	No
	NC Machining Fixture	No
	NC Machining Rough Stock	No
	NC Machining Safety Plane	No
Methodology\Part	Associative Elements (Parent/Children) in Specific Bodies	No
	Center of Gravity	Yes
	Constraints Referencing the H or V Axis	No
	Construction Order of Solid Features in Bodies	No
	Coordinates-Point Definition	No
	Edge/Variable-Radius/Chordal Fillets Definition	No
	MML (Multi-Model-Link) Reference Not Published (by Name Evaluation)	No
	MML (Multi-Model-Link) Reference Not Published	No
	Feature Must Exist in Specific Bodies	No
	Features with External Links (Multi-Model-Link) in Part	Yes
	Healing Definition	No
	Join Definition	No
	Material Orientation corresponds to Surface Orientation	Yes
	Material Thickness Vector Corresponds to Thick Surface Orientation	No
	Non-Allowed Component Formula in Part	Yes
	Non-Allowed Reference to Vertex / Edge / Face as Input for Feature	No
	Non-Allowed Isolated External References Set	No
	Non-Allowed MML (Multi-Model-Link)	No
	Non-Allowed Parent/Child Relationship	No
	Non-allowed Path of Parent Feature	No
Non-Allowed Solid Feature Mixed With Boolean Feature	No	
Offset Capability of Surface	No	
Offset Capability (Thick Surface) of Thin Parts	No	

Folder	Criterion name	Healing
	Non-Allowed Direction of Offset Surface Feature	No
	Only one Curve in Sketch	No
	Only One Surface allowed in Specific Bodies	No
	Open Body in Body	No
	Area Ratio of Surfaces in Specific Bodies	No
	Permitted Body for non-associative Datum Features	No
	Saving as V4 Data	No
	Shell Definition	No
	Sketch Not Fully Constrained	No
	Structure of Part Specification Tree	Yes
	Surface Must Exist in Specific Bodies	No
	Surface Must Have Thin Part Attribute in Specific Bodies	Yes
	Thick Surface Definition	No
	Inverted Surface Orientation Corresponds to Thick Surface Orientation	Yes
	Thin Part Orientation corresponds to Surface Orientation	No
	Thread Definition	No
	Elements without Child Elements in Specific Bodies	Yes
	Draft Definition	No
Methodology\Product	At least one Constraint per Product	No
	Degree of Freedom of Product Components	No
	Flexible Product/Structure Component	No
	Kinematics Degree of Freedom of Mechanism Equals Zero	No
	Non-Allowed Path for Product Components	No
	Non-Allowed Positioning Matrix	No
	Non-Allowed Shape Component Type	No
	Non-Identity Positioning Matrix	No
	Non-Isometric Positioning Matrix	No
	Non-Allowed Link Target	No

Folder	Criterion name	Healing
	Product Component with Non-Allowed MML (Multi-Model-Link)	No
	Assembly Constraints Must Reference Published Elements	No
	Product Clash Detection	No
	Product Component Seal	No
	Product component with broken link to CATPart/CATProduct	No
	Structure of Product Specification Tree	No
	The Same Feature Registered in More Than One DMU-Group [O-GL-IG]	No
	User Defined Properties Not Applied to Part Component	No
Methodology\SheetMetal	Cylindrical Bend Definition	No
	Conical Bend Definition	No
	SheetMetal Parameters	No
	Surfacic Flange Definition	No
	Fold/Unfold-Sheet Metal Visualization	No
Methodology\Composite	Composite Material Parameter State	No
	Composite Material Catalog Path	No
	Ply with Invalid or not up-to-date Contour	No
	Ply and Core Definition	No
	Ply Surface Must Match PlyGroup Surface	No
Methodology\Equipment\Electrics	Electrical Segment Topology	Yes
	Consistency of Branchables in Multi-Branchable	Yes
	Bundle Segment Properties	No
	Multipart Bundle Segment	No
	Electrical Data Availability	Yes
	Light Electrical Protective Coverings	No
	Empty Multi-Branchable / Bundle Segment Part	Yes
	Electrical Protective Coverings	No
	Electrical Reference Designator	No
	Allowed Distance Between Segment and Support	No
	Consistency of Segments in Branchable	No
	Bundle Segments Color	Yes



Folder	Criterion name	Healing
	Electrical Topology	Yes
	Unused Devices	No
	Lost Electrical Properties of Curve	No
	Non-allowed Electrical Root/Components Type	No
	Electrical Support Points Must Lie on Electrical Support Planes	No
	Support Plane must be Parallel to Reference Plane	No
	Consistency of Bundle Segments in Multi-Branchable	No
	Unused Electrical Elements in Part	Yes
	Only One Electrical Network per Harness	No
	Open Electrical Segment End	No
	Segment Extremity Name	Yes
	Closed Electrical Conductor Loop	No
	Segment Name	Yes
Methodology\Equipment\General	Unlinked Supports in GBN	No
Methodology\General	Deactivated Knowledgeware Relation	No
	Non-Allowed Models/Catalogs/... in Session	No
	Non-Allowed Knowledgeware Relation Check Status	No
	Non-Allowed Geometry Scale	No
	Unresolved (Non-Synchronized) Knowledgeware Relation	No
	Non-allowed Infinite Lines	No
	Non-Allowed User-Defined Properties of Root-Product/Part	Yes
	User-Defined Properties Not Applied to Root-Product/Part	Yes
Non-Allowed Linked Documents	No	
Methodology\Analysis	Non-Allowed OCTREE Tetrahedron Mesh Element Type	No
Geometry\Solid/Surface Features\General	Empty Domains	No
	Non-Allowed Chamfer Angle	No
	Non-Allowed Chamfer Lengths	Yes
	Non-Allowed Solid Fillet Radius	Yes
	Non-Allowed Surfacic Fillet Radius	Yes

Folder	Criterion name	Healing
	Multi-Domain Surface (Shell) [G-SO-MU]	No
	Embedded Surface Features (Shells) [G-SO-EM]	Yes
	Solid Void [G-SO-VO]	No
	Embedded Solids [G-SO-EM]	Yes
	Tiny Solid [G-SO-TI]	Yes
	Multi-Volume Solid [G-SO-MU]	No
	Solid Wall Thickness	No
Geometry\Solid\Surface Features\Shells\Volumes	Calculation of Shells/Volumes [G-SH-xx]	No
	Over-Used Vertex [G-SH-OU]	No
	Inconsistent Face Orientation in Shell/Volume [G-SH-IT]	No
	Intersection of Solids/Shells	No
	Open or Overlapping Shell/Volume [G-SH-FR]	No
	Tangent continuous boundary of Shell	No
	Step Edge on Boundary of Shell	No
	Over-Used Edge [G-SH-NM]	No
	Non-Smooth Faces (G2 Discontinuity) [G-SH-NS]	No
	Large Face Gaps (G0 Discontinuity) [G-SH-LG]	Yes*
	Non-Tangent Faces (G1 Discontinuity) [G-SH-NT]	Yes*
	Inconsistent Surface Orientation on Shell/Volume [G-FA-IT,G-SH-IT]	No
	Self-Intersecting Shell/Volume [G-SH-IS,G-SO-IS]	No
	Sharp Face Angle [G-SH-SA]	No
Geometry\Solid\Surface Features\Face Loops	Self-Intersecting Face Loop [G-LO-IS,G-FA-IS]	Yes
	Inconsistent Face Edge Orientation in Loop [G-LO-IT]	No
	Large Face Edge Gap [G-LO-LG]	Yes*
	Sharp Face Edge Angle [G-LO-SA]	No
Geometry\Solid\Surface Features\Face Edges	Fragmented Face Edge [G-ED-FG]	No
	Closed Face Edge [G-ED-CL]	No
	Tiny Face Edge [G-ED-TI]	Yes*
	Tiny Face Edge Segment [G-ED-TI]	Yes*

Folder	Criterion name	Healing
	Analytical/Procedural (Non-NURBS) Face Edge [G-ED-AN]	No
Geometry\Solid/Surface Features\Faces	Closed Face [G-FA-CL]	No
	Large Face Edge to Surface Gap [G-FA-EG]	No
	Embedded Faces [G-FA-EM]	No
	Inconsistent Face Orientation on Surface [G-FA-IT]	No
	Tiny Face [G-FA-TI]	Yes*
	Narrow Face [G-FA-NA,G-FA-RN]	Yes*
	Tangent-Continuous Narrow Face [G-FA-NA,G-FA-RN]	No
	Narrow Face Region [G-FA-RN]	No
	Relative Narrow Face	No
Geometry\Solid/Surface Features\Surfaces	Analytical/Procedural (Non-NURBS) Face Support Surface [G-FA-AN]	No
	Degenerate Surface Segment Corner [G-SU-DP]	No
	Big Curvature Radius in Surface [G-SU-CR]	No
	Non-Smooth Surface Segments (G2 Discontinuity) [G-SU-NS]	No
	Large Surface Segment Gaps (G0 Discontinuity) [G-SU-LG]	No
	Non-Tangent Surface Segments (G1 Discontinuity) [G-SU-NT]	No
	Embedded Surfaces [G-SU-EM]	No
	Small Curvature Radius in Surface [G-SU-CR]	No
	Tiny Surface [G-SU-TI]	Yes*
	Narrow Surface Segment [G-SU-NA,G-SU-RN]	Yes*
	Degenerate Surface Segment Boundary [G-SU-DC]	No
	Multi-Face Surface [G-SU-MU]	No
	Indistinct Knots in NURBS Surface [G-SU-IK]	No
	Folded Surface [G-SU-FO]	No
	High Number of Control Points in NURBS Surface [G-SU-xx]	No
High-Degree Surface [G-SU-HD]	No	

Folder	Criterion name	Healing
	Planar Surfaces with Polynomial Degree greater than 1 [G-SU-xx]	No
	Fragmented Surface [G-SU-FG]	No
	Self-Intersecting Surface [G-SU-IS]	No
	Undefined Surface Normal [G-SU-xx]	No
	Unused Surface Segment Rows [G-SU-UN]	No
	Wavy Surface [G-SU-WV]	No
	Small Curvature Radius in Thin-Part Surface	No
Geometry\Model	Hybrid Model [G-MO-HY]	No
Geometry\Curve Features\Wires	Non-Smooth Curves (G2 Discontinuity) [G-CU-NS]	No
	Large Curve Gaps (G0 Discontinuity) [G-CU-LG]	No
	Non-Tangent Curves (G1 Discontinuity) [G-CU-NT]	No
	Embedded Wires and Points [G-CU-EM]	No
	Tiny Wire [G-CU-TI]	No
	Self-Intersecting Wire [G-CU-IS]	No
Geometry\Curve Features\Curves	Non-Smooth Curve Segments (G2 Discontinuity) [G-CU-NS]	No
	Large Curve Segment Gaps (G0 Discontinuity) [G-CU-LG]	No
	Non-Tangent Curve Segments (G1 Discontinuity) [G-CU-NT]	No
	Small Curve Radius of Curvature [G-CU-CR]	No
	Tiny Curve [G-CU-TI]	No
	Tiny Curve Segment [G-CU-TI]	No
	Indistinct Knots in NURBS Curve [G-CU-IK]	No
	High-Degree Curve [G-CU-HD]	No
	Linear Curves with Polynomial Degree greater than 1 [G-CU-ID]	No
	Fragmented Curve [G-CU-FG]	No
	Wavy Planar Curve [G-CU-WV]	No
Geometry\Curve Features\General	Multi-Domain Curve [G-CU-MU]	No
Geometry\Views	Embedded Drawing Element [G-DW-EM]	Yes
	Tiny Drawing Element [G-DW-TI]	Yes

Criteria available in Q-Checker for V5 Release 5.4.0



Number of criteria: 412

* Geometrical healing requires a license key for Q-Doctor