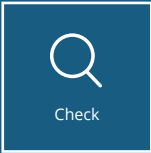


SF MODELCHECK EXTENSIONS

MECHANICAL DESIGN AUTOMATION



Extensions for the check and automated repair of standards and guidelines

SF ModelCHECK Extensions is an add-on for the OOTB ModelCHECK application for Creo, which extends the functionalities for adhering to the specifications in the design process. Thus, this ensures the quality of CAD data and the integration of the subsequent process chains on a broader basis.

Improve your CAD Data quality

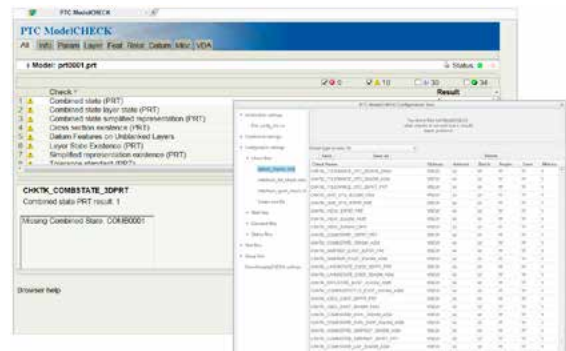
ModelCHECK OOTB uses a configurable list of company design standards and best modeling practices. Each company defines company specific model standards and designs guidelines for its assemblies, components and drawings. With ModelCHECK Extensions, the ModelCHECK extends the product scope of PTC Creo Parametric and gives you the possibility to improve the quality of your CAD models by using new additional check criteria.

Easy operation

- Direct integration into the standard ModelCHECK UI
- Global configuration using standard ModelCHECK configuration (turning on/off check criteria)
- Configuration of the single check by using template models for different model types (molding, welding, casting, ...)

Capabilities

- Tolerance Standard (PRT-, ASM- and DRW-Mode)
Checks and setting the tolerance standard (ANSI or ISO) (check/repair)
- 3D Views (PRT- and ASM-Mode)
Checks existence and orientation of views and creates missing views and/or reorients views with wrong orientation (check/repair)
- Unit System (PRT- and ASM-Mode)
Checks and redefines the type (MLT or FLT) and the units of the assigned unit system (check/repair)
- Layer States (PRT- and ASM-Mode)
Checks the existence of layer states and creates missing layer states (check/repair)
- Combined States (PRT- and ASM-Mode)
Checks the existence of combined states as well as the definition of the combined states regarding defined View,



Result and Configuration Window with ModelCHECK Extensions

SimpRep, Display Style, Cross Section, Explode State and Layer State. It also creates missing combined states and redefines combined states with wrong defined View, Display Style and/or Layer State (check/repair)

- Simplified Representations (PRT- and ASM-Mode)
- Checks the existence of simplified representations and creates missing simplified representations (check/repair)
- Cross Section (PRT- and ASM-Mode)
- Checks the existence of cross sections (check)
- Explode State (ASM-Mode)
- Checks the existence of explode states and creates the missing explode states (check/repair)
- Component Display Style (ASM-Mode)
- Checks the existence of component display styles (check)
- Geometric checks (PRT-Mode)
- Checks tiny surfaces, short and/or sharp edges and small radius

Benefits

- Detect and repair additional design standards
- Easy to use
- Improves quality

SF Summary

- SF ModelCHECK Extensions extend the functionality of ModelCHECK from PTC Creo.
- Company specific standards and guidelines can be defined and controlled.
- The continuity of the subsequent workflow can be increased.



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