Automated Check Tool

Technosoft Engineering
Innovation ★ Reliability ★ Flexibility

Purpose: To Automate the check and (MTC) process to reduce ECO and re-work.

Functions:

- ➔ This tool is designed to generate reports for both assemblies and individual models.
- ➔ The tool retrieves assembly metadata and compares these values with BEC - NPM standards and M2M Data.
- ➔ Additionally, it validates these values while providing appropriate remarks in accordance with MTC checkpoints.
- ➔ The tool categorizes reports based on part categories such as Assembly, Sheet Metal, Part, Baseline, and Electrical.
- ➔ Furthermore, it identifies baseline models with paths that deviate from the defined path and highlights them.
- ➔ The tool generates one common MTC report for all users.
- ➔ Additionally, an extra report is created specifically for the Routing Sequence Tool (RST).

Constraint:.

- ➔ Ensure that only the desired model is open in Solid Edge; no other models should be open when using this tool.
- ➔ Incorrect modeling practices can lead to errors in the tool's functionality.
- ➔ The tool has the capability to identify and highlight most modeling errors that can potentially cause the tool to crash. These problematic part numbers will be indicated in the reports.
- ➔ In the event of a tool crash, users can consult the log file to pinpoint the problematic part and proceed with necessary repairs.
- ➔ If the tool crashes, the user can refer log file to identify the problematic part and repair it.

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User Interface Guide:

1. Open the desired assembly in Solid Edge and Activate the tool by clicking on it.
2. Verify if the desired output path is correct.
3. Clicking ‘’Export Report” will initiate the process.
4. Progress bar will keep updating the numbers of the part being checked.
5. Once all parts are checked data will appear in a grid
6. Destination folder will pop up, where all the reports can be seen.
7. Close the tool to use other tools if needed