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Windchill Risk & Reliability 2027.0.0.0

ADVANCE RELIABILITY ANALYSIS WITH GREATER EFFICIENCY AND VISIBILITY

Streamline Reliability Analysis and Data Preparation

PTC Windchill Risk and Reliability (WRR) 2027 introduces a preconfigured ANSI/VITA prediction template, FIDES support file import and export, clearer operating information in Reliability Block Diagrams (RBDs), and optimized RBD calculation performance. Updated platform support and functional and security fixes help teams maintain their analysis environments.

Practical Enhancements for Reliability Analysis

From prediction study setup to system model review, WRR 2027.0.0.0 helps teams prepare analysis inputs, exchange FIDES data, and keep operating assumptions visible.

A Ready Starting Point for Reliability Prediction

A new sample project provides preconfigured quality levels and defaults for reliability prediction using ANSI/VITA 51.1-2013 (S2025). PiQ values and default parameters simplify study setup using the standard's adjustments to MIL-HDBK-217F Notice 2.

Easier Exchange of FIDES Analysis Inputs

Import and export FIDES Application Factor and Mission Profile data to add or update analysis inputs. Built-in validation checks codes, answers, and input values, while exports make configured data available for reference and reuse.

Clearer Visibility into Operating Assumptions

Display Duty Cycle Percentage directly on RBD blocks, making this operating assumption easier to review alongside the system model.

Updated Technology and Attachment Validation

WRR 2027 updates SSO and Help functionality to use the Microsoft Edge component and supports current client prerequisites. A new REST operation enables hash validation of downloaded attachments.

Features	Specifications
ANSI/VITA Prediction Template	Sample project for ANSI/VITA 51.1-2013 (S2025), with preconfigured Prediction Values Library and Prediction Defaults files.
FIDES Data Import and Export	Application Factor files support adding phases and updating question answers. Mission Profile files support adding and updating profiles and phases. Imports validate inputs; exports include configured field values.
RBD Duty Cycle Display	Duty Cycle Percentage is available through block Visual Properties under Text Display.
Client Components	Microsoft Edge component for supported functionality, such as SSO and launching Help; installer support for Microsoft Edge WebView2 and Microsoft 365 Access Runtime prerequisites.
Attachment Validation	ValidateAttachmentHash REST operation for downloaded attachments.
Server Operating Systems	Windows Server 2019, 2022, and 2025.
Database Servers	Oracle Database 19c Release 2 (19.3.0.0.0) 64-bit; Oracle 25 ai; Microsoft SQL Server 2019 64-bit, 2022, and 2025.
Client and Office Support	Windows 11 version 25H2; Microsoft Office 365 version 2512 64-bit; Microsoft Office Professional 2024 64-bit.
Windchill Interoperability	Windchill 12.1.2.23, 13.0.2.12, and 13.1.3.0.
Single Sign-On Tools	Shibboleth 3.5.x; PingFederate 11.3, 12.0.5, and 12.2.2.

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Explore WRR 2027.0.0.0

Contact your PTC representative to learn more about Windchill Risk and Reliability 2027.0.0.0 and discuss your upgrade.