

Release Notes
TYX TRD System
Version 3.0.4
14 February 2006

1. Overview

This is a maintenance release of the TYX TRD System that corrects several problems.

2. Detailed Description

2.1. Critical items

2.1.1. Security setting for macros in third-party applications

Microsoft Excel and Visio support the configuration of security features that impacts the ability to execute macros. The TRD System uses such macros to implement integration with Word, Excel and Visio. Consequently, these products have to be configured properly, to accept the execution of macros. Detailed instructions are provided in the Installation Guide.

2.1.2. Operating system and third-party software compatibility

Operating systems: this version was tested with Windows 2000 SP4 and Windows XP.

Microsoft Office: this version was tested with Visio 2003, Word XP, Word 2003, Excel XP and Excel 2003. **The product is not compatible with earlier versions of Visio, Word and Excel.**

Microsoft Visual SourceSafe: this version was tested with Visual SourceSafe 6.0a and Visual SourceSafe 6.0c.

2.2. Known Limitations

2.2.1. Duplicate Failure Mode Temporarily Created in Fault Editor

Adding Failure Modes to Component Types that have already been assigned to Components causes a warning message to be displayed, informing the user that these Failure Modes will not be automatically assigned to the Components of that Component Type. This message is correct. However, during the display of the message, a duplicate of the newly added Failure Mode appears in the grid. The duplicate disappears from the grid once the warning message is closed. It does not get saved in the TRD Project. This peculiarity does not affect the normal operation of the program.

2.2.2. Automatic Test Renumbering Feature Not Documented

The automatic test renumbering when moving Tests occurs only when the Performance Tests numbers are in ascending order. This behavior is by design. It is not documented in the Help System.

2.2.3. Horizontal limitation of the Test Strategy layout

For extremely large diagnostic branches, the drawing area expands horizontally causing an upper limitation of the zoom level. The upper zoom level starts to decrease below 100% for a test strategy layout having more than 187 diagnostic tests defined horizontally. The upper zoom level of 76% is reached for a number of 258 diagnostic tests defined horizontally. Below this zoom level the layout becomes hard to read, that is why the number of diagnostic tests defined horizontally for one performance test should not exceed 258.

2.2.4. Restrictions in deleting, moving and duplicating Test Blocks on multiple page layout

Because of the complexity of the Test Strategy layout and because the content of Test Blocks can be drawn on multiple pages, deleting, moving and duplicating entire Test Block branches (i.e. selected Test Blocks together with all the Tests and Replace actions that belong to it) is not allowed anymore. The same functionality can be obtained by deleting, moving or duplicating each Performance Test branch belonging to that Test Block.

2.3. Problem Reports

2.3.1. The release fixes several problems identified for release version 3.0.3:

- Limitation of zoom level in TS Editor

For large TRDs, the Test Strategy layout is generated on multiple drawing pages. A detailed description of the mutipage layout is provided in the Help System under Test Strategy Editor section.

- Text on Flows was editable and flows could be moved in the TS Editor

Problem has been corrected, flows generated after a duplicate operation are locked for text editing and for moving

- Test Numbers outside boundaries were created during duplicate operations

Problem has been corrected.

- Error when trying to overwrite an existing TRD project file

Problem has been corrected allowing the currently opened TRD project to be saved over an existing one.

2.3.2. The release provides improved functionality to the following operations:

- *Failure Rate must be a positive floating point value. It is no longer restricted to be less than 1.*
- *Duplicate Failure Modes operation in Fault Editor and Duplicate Pins operation in UUT Interface Editor have been enhanced to allow multiple Failure Modes (Pins) to be created with a single Duplicate command.*