



Release Notes

NX System Release 8

July, 2007

Component Versions

NX System Release 8 consists of the following component versions:

- NX Editor Version: 1.0.8.130
- NX Tester Firmware Version: 2.8.114

Dependencies

It is strongly recommended that the upgrade be applied to the NX Testers and the NX Editor simultaneously

IMPORTANT NOTE:

Before updating your NX Testers to Release 8, please make sure that all programs are backed up. This upgrade may delete all programs stored on the tester.

New Features and Enhancements

NX System Release 8 contains the following new features and enhancements:

- **New Part Numbers View:** Previously, Part Numbers were defined in the NX Editor's Program Properties. In Release 8, a new view has been provided for defining Part Numbers. The NX Editor now has five views: Fixture Blocks, Components, Connections, Part Numbers, and Workflow.
- **New Option Codes Feature:** The NX Editor now provides an alternate method for defining multiple part numbers based on option codes. This supports a connection definition model that is frequently used by some Asian wire harness manufacturers.
- **Enhanced Read Workflow Item:** The Read Workflow item now has a checkbox for ignoring non-printable characters. If this box is checked, When a string of ASCII data is read, only the printable characters are stored in the designated variable.
- **Enhanced End Workflow Item:** Previously, the End Workflow item would simple return control to the NX Tester's main menu. Now, the End Workflow item provides the option to launch another resident program.
- **Enhanced Automatic Program Selection:** The Automatic Program Selection feature of the NX Tester has been enhanced to include a substring function. This enables the NX Tester to match on a substring of the scanned data instead of matching the entire scanned string.

Bug Fixes and Improvements

NX System Release 8 includes fixes for the following problems:

- The NX Firmware now has the capability to support super-netting schemes, resulting in greater reliability in a networked environment.
- Several bug fixes are included that improve the optional ABR functionality.
- Probe mode during test now displays the wire color as well as the wire name.



Known Problems

The following is a list of problems that have been identified in the current release. These problems will be resolved in a future release.

NX Tester cannot read memory card if multiple memory cards are used

If more than one memory card is used with a single NX Tester, problems may arise with the NX Tester becoming unable to read from the cards. The solution to this problem is to reboot the NX Tester. After a reboot, the NX Tester is always able to reliably read from the first memory card used.

Label Workflow item: quantity field is ignored for values greater than 1

The Label Workflow item provides a “Label Quantity” field, allowing the user to specify how many labels are to be printed. The NX Tester always prints only one label, regardless of the value specified in this field.

Problems with file name case sensitivity and automatic program selection

The NX Tester does not always handle differences in file name cases well (upper case characters vs. lower case characters). This situation can arise when using the automatic program selection feature with the scanner. If the scanned data is not the same case as the file name stored on the NX Tester, unexpected results may occur. It is therefore important to be consistent if program file name case usage when using the automatic program selection feature.

Redundant connections can cause problems for Remove workflow item

It is possible to define redundant connections in the NX Editor. These are connections that have the same two endpoints. When redundant connections are defined through splices, the Remove workflow item may never pass: the harness never appears fully removed.

Automatic Program Selection from Server does not work if filename contains a space

If the automatic program selection feature is used to select a program from the NX Server, and if the program file name contains a space, the selection will fail. To avoid this problem, do not use spaces in program names.

Excessive re-test time if the only error is a SHORT

If a wire harness has passed all continuity tests, and the only error that remains is a SHORT, when the SHORT error is cleared, the tester automatically retests the harness. In this situation, the retest time is significantly longer than the time to test a good harness the first time. This problem is not noticeable on small harnesses, but is quite noticeable on harnesses with 512 connection points or more.