



SPHEREA

SPHEREA TEST & SERVICES

*newWaveX*TM–SD User/Developer Training Course

Introduction

IEEE Std 1641 (IEEE Standard for Signal and Test Definition) is the standard which is now mandated by MOD policy for new Automatic Test Systems or Test Program Sets. Spherea has developed a *newWaveX* specific course to follow-on the generic IEEE 1641 three day course. These two courses combine to provide all the information required to develop, maintain and use IEEE 1641 compliant signals using the *newWaveX* signal development package. This additional one day course covers all the additional *newWaveX* features not discussed during the generic IEEE 1641 three day course.

Benefits

Understanding how to use IEEE Std 1641 and the *newWaveX*–SD tools to create test signals is essential for providing compliant signals and tests in order to realise the benefits promoted by the standard and to protect the investment made in the development of the test programs. This course, together with the IEEE 1641 User/Developer course provides all the information required by those developing signals and tests in support of this policy.

Course objectives

This course provides an understanding of the *newWaveX* product and all its options. It ensures that users understand how to load or import existing TSF libraries, how to edit them and how to save and export them. Users will be aware of the use and function of the *newWaveX* toolbars and palette bar. It also provides a clear understanding of how to complete all the additional detail required when creating a TSF for use by others, including the commentary. The course includes a high proportion of practical experience using *newWaveX*-SD.

Who should attend

This course is essential for technical leads and engineers who are responsible for the specification, development and implementation of test requirements and programs using the *newWaveX* toolset.



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Course content

- Introduction
 - ✦ IEEE 1641 and the *newWaveX* product range
- The *newWaveX-SD* product
 - ✦ Installing *newWaveX-SD*
 - ✦ Obtaining and entering the key
 - ✦ Workspaces, signals and TSFs
 - ✦ Palette Bar and Toolbar utility functions
- Recapitulation of generic IEEE 1641 User/Developer course
 - ✦ Basic Signal Components (BSCs)
 - ✦ Test Signals Frameworks (TSFs)
 - ✦ Events and measurements
- Working with TSF Libraries
 - ✦ Loading TSF Libraries
 - ✦ Importing, editing & exporting TSF Libraries
 - ✦ Editing TSF properties
- Working with TSFs
 - ✦ Using the Viewer
 - ✦ The XML version of the TSF
- *newWaveX* extras
 - ✦ Setting the options
 - ✦ Using the Help

Course organisation

- Courses are held at our Ferndown training centre.
- Refreshments and lunch are included.
- Course notes are provided for all attendees.
- Courses may be provided at customer's premises by special arrangement.
- For available dates and course prices, please contact Sphera.
- Note—this course is normally held with the IEEE 1641 Signal User/Developer course

Related Courses

- IEEE 1641 Signal User/Developer (prerequisite for any *newWaveX*TM specific course)
- *newWaveX*TM–SD Integration Support
- *newWaveX*TM–PD Integration Support



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