TestStand II

This course is for TestStand users who already know TestStand and have good experience in developing applications. The course teaches how to create and edit process models to modify test execution with TestStand.

Duration: 2 days on site or 3 half days virtual

Main topics:

- Introduction to TestStand Architecture: purpose and goals of the course, benefit of using TestStand

- Assigning Development Tasks

    o Responsibilities of the Test Sequence Developer

    o Responsibilities of the Test Framework Architect

- Modifying Execution Across All Sequences

    o Customizing a process model

    o Implementing optional framework components

    o Modifying execution across all process models

- Selecting a Result Processing Strategy

    o Choosing a mechanism for logging data

    o Choosing a report configuration

    o Modifying the code that generates the report

- Creating Customized Step Types

    o Creating a custom step type

    o Executing code before or after a module

    o Customizing step type properties

- Monitoring TestStand Programmatically

    o What is the TestStand API?

    o Accessing the TestStand API

    o Logging results dynamically

    o Programmatically editing or creating a sequence

    o Developing code modules that interact with TestStand

- Creating a Custom User Interface

    o Customizing UI functionality based on User Role

- o   Using TestStand controls to build a UI

- o   Handling TestStand events in a UI

- o   Using native controls to build a UI

- o   Communicating between the UI and the Test System

- TestStand Code Reviews

  - o   Enforcing development standards and best practices

  - o   Tools for reviewing sequence files

- Managing a TestStand Deployment

  - o   Distributing your framework to test developers

  - o   Making incremental updates to the test system