Course Description

Course Duration
The duration is 2 days.
The Course Starts at 08:30 and Ends at 17:00 each day.

Course Type
This is an instructor led course with interactive classroom discussions and associated lab exercises. Approximately 50% of the course is hands-on lab activities.

Course Goal
This course is an advanced extension to the T315 – System 800xA - Engineering. The goal is to give a thorough understanding of the Function Designer aspect system and its associated aspects and methodologies.

Student Profile
This training is targeted at application engineers, programmers and system integrators who wish to use the Function Designer to implement project software.

Prerequisites and Recommendations
Students must have experience of System 800xA Configuration and Engineering. Students must have attended the course T315.

Course Objectives
Upon completion of this course, students will be able to:
• Explain the philosophy of the Function Designer and understand its place in project implementation.
• Use the Function Designer graphical interface efficiently
• Create Function Aspects which include Functions, Function Blocks and Control Modules.
• Manage Multiple Diagrams, nested and linked
• Create bespoke component views for functions
• Work against both the Functional Structure and the Object Type Structure to create functions for complex objects
• Generate Documentation Diagrams
• Use the Bulk Data Manager to duplicate and manipulate existing functions and diagrams

Main Topics
• Function and Function Parameter Aspect
• Function Design User Interface
• Allocation and Allocatable Groups
• IO allocation tool
• OPC connectivity and Dynamic display of diagrams
• Documentation
• Working with Libraries and Object Types
• Project Structure and Planning
• Component view – user defined components
• Nested diagrams
• Linked Diagrams
• Access variables and Application to Application Data Transfer
• Use of Bulk Data Manager in the context of FD
GB851  System 800xA – Function Designer SV4.1  
Engineering

Course Outline

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