**Course Description**
This course consists of lectures, demonstrations, laboratory exercises, and question and answer sessions designed to educate the student in using SEBOL on Centum VP systems.

This course does not cover ISA S88 Batch. ISA S88 Batch is covered in Course 7520.

**Duration**
5 days

**Objectives/Outcomes**
Upon completing the course, the student will be able to:
- Identify and define the function blocks used in SEBOL and the language commands
- Build and Write a SEBOL project using Units and code
- Create, define, and troubleshoot Units and their supporting elements

**Intended Audience**
All plant personnel who need to understand the uses and troubleshooting of the SEBOL language on the Centum VP system.

**Course Prerequisites**
- Centum VP or CS 3000 Engineering

**Technical Requirements**
- System View Engineering Environment
- Basic file/folder manipulation in a Windows environment

**Materials**
Each learner will be provided with the appropriate course workbook.

**Requirements to Be Awarded Certification**
- Submit completed course Registration Form
- Fulfill financial obligations
- Fulfill the 90% attendance requirement by signing-in each day of facilitated course
- Fulfill the 70% or above overall scoring requirement on labs and projects

**Evaluation Methods**
- Laboratory exercises
- Question and answer sessions
Course Syllabus

Day 1
- Build Sequential Function Charts.
- Create a program to run a batch process without Units.
- Exercises

Day 2
- Unit concept
- Create 3 Units with all supporting code and elements
- Exercises

Day 3
- Identifiers, data type, comparison operators, and compiler directives.
- User defined functions and parameter passing
- Arrays
- Using functions, arrays and parameters with function block data
- Exercises

Day 4
- Program control statements
- Character String formatting
- Message Statements
- Exercises

Day 5
- Project creation, testing and troubleshooting

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