ACCOL DESIGNER TRANSLATOR

COURSE #451

COURSE DESCRIPTION

The ACCOL Designer Translator course offers students the knowledge and skill required to translate existing Network 3000 ACCOL II programming logic to IEC-61131-3 standards used in ControlWave® products.

Students will gain programming experience making the post-conversion work simpler by condensing ACCOL program loads. Upon conversion, students will program using ControlWave Designer to restructure function and input /output modules in structured text and sequential function chart program language. A typical program example will be provided for hands-on translating.

Ensuring customer confidence through knowledge of Bristol® products and applications.

COURSE FEATURES

- Learn how to operate the ACCOL Translator
- Understand how to modify an ACCOL program to make it compatible with the ControlWave Designer
- Understand methods necessary to modify a translated project to achieve a desired control algorithm
- Become familiar with structured text and sequential function chart languages of the ControlWave Designer

WHO SHOULD ATTEND

- Personnel responsible for translating an ACCOL control program into a ControlWave Designer project
- Personnel possessing general programming techniques

PREREQUISITES

- Participants must be very familiar with the ACCOL control language.
- Attendees must have a strong working knowledge of personal computers and Windows 2000/ XP or later version. NOTE: It is the intention of this course to show students the general steps necessary to translate an ACCOL load. Because of the generic nature of this course, students should not expect to be permitted to translate their own loads as part of the course.

REGISTRATION

To register for this training course, complete the enrollment application on our website: **www.EmersonProcess.com/Remote**.

For further information for classes in Watertown, Orlando, custom classes, or general training info:

Evelyn Bellefeuille
Watertown, CT
1-860-945-2343 or
1-800-395-5497 toll free within the United States

COURSE AGENDA

DAY 1

- Overview of the ACCOL programming language
- Overview of the designer Structured Text language

DAY 2

- Prepping an ACCOL load prior to translation
- Translating a simple ACCOL load with no errors
- Dealing with I/O changes, if not using a CW-30 or CW-10
- Synchronizing I/O with tasks
- Dealing with alarm creation and clean-up
- Downloading and checkout using Designer and OpenBSI
- Using the _USE_ACCOL_NAME variable
- Translating a slightly larger ACCOL load with Control Inhibit used
- Finding the errors and re-compiling
- Downloading and checkout

DAY 3

- Translating an ACCOL load with lists and a sequencer block
- Finding the errors, re-doing the sequencer, and re-compiling
- Dealing with variable list generation
- Downloading and checkout
- Translating an ACCOL load with arrays and storage blocks
- Finding the errors and re-compiling
- Dealing with array creation and initialization
- Downloading and checkout

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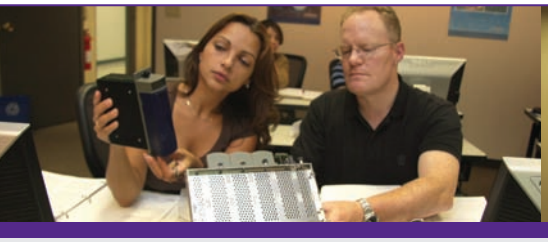


COURSE AGENDA CONTINUED

DAY 4

- Translating an ACCOL load with WAIT, ABORT, SUSPEND, and RESUME statements
- Overview of the Sequential Function Chart language
- Re-doing the code to emulate the statements above
- Compiling, downloading, and checkout
- Further discussion of WAIT statements and where they may no longer be needed
- What to do if a translated ACCOL task makes a Program POU greater than 64k
- Class Lunch
- Translating an ACCOL load with Archives and Audits
- ACCOL modules that require modifications after translation

DAY 5

Disscussion on the following ACCOL Modules:

- MASTER/SLAVE
- CUSTOM
- SCHEDULER
- RBE
- LOGGER
- PDM
- LSCOUNT
- ENCODE functions
- PORTSTATUS

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