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CS1000/3000 OPERATOR CBT

GENERAL SPECIFICATIONS

General: The objective of the computer-based training (CBT) is to acquaint the user with the system layout, operation screens, and terminologies of the CS1000/3000 system.

This training is not intended to replace the normal training environment. It is intended to help the student gain additional CS1000/3000 product knowledge prior to instructor led training or completing OJT.

The CBT has a printable guidebook with testing. The user follows the guidebook and answers the questions as directed. There is a review section at the end to reinforce the newly learned information. The answers to the guidebook questions are on a file on the CBT CD-ROM called "**CBT Operation ANSWERS**".

This CBT also allows the user to easily review any portion of the training without re-answering questions.

Student requirements:

The students must be familiar with the basic operations of a PC using windows and a mouse to take this CBT course.

Software requirements:

The CBT software will run with MS Windows 95 (Service Release 2), Windows 98, Windows NT 4.0, Windows ME, Windows 2000 and Windows XP. Adobe Acrobat 4.0 or above must be on the PC for the guidebook.

Screen setup: The CBT was designed around the screen setup of 1024x768 and at least 16-bit color.

Note: There is a software problem with Windows 2000 (Service Pack 1 and 2) that occurs because of the file size. The fix is included on the CBT CD-ROM that will be on Service Pack 3.

Minimum System Hardware requirements:

- Printer (HP LaserJet or equivalent)
 - 32 MB RAM.
 - 70 MB HDD free space.
 - CD-ROM drive, double speed or faster.
 - Video card at highest resolution (at least 16-bit color) and 1024x768 screen size.
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ITEMS COVERED IN THE CBT

So, what is covered in this Operator CBT? The CBT covers the same basic information as is covered in the standard (generic) instructor led class. Since the method of instruction delivery is different than instructor led then the flow of the course is slightly different.

As the students go through the CBT they follow a guidebook, which not only leads them but also asks them to answer questions about the screens, as they are viewed. **There is also on-line testing in the CBT.**

The CBT is broken into these categories:

- **System configuration:** This covers hardware terminologies and system layout that the student will use with the CS1000/3000 system.
 - **Operation screens:** This section covers all operation screen functions and is broken into the following categories:
 - **System Message area:** This covers the functionality of the icons in the message area. All display icons, when selected, show the appropriate system window. All of the icons on that window are also interactive with “pop-up” windows that give the user information about the selected icon.
 - **Operation Windows:** All of the users created operation window types are covered: Control windows, Overview windows, Tuning windows, Trend windows, Process Alarm windows and Operator Guide windows. Each of these windows is accompanied with the appropriate “pop-up” window for more detail of user selected screen icons.
 - **Instrument Faceplate:** This section covers defining items found on the faceplate. Also covered are interactive screens where the users actually changes instrument modes, changes the setpoint of a feedback control instrument and interactively opens and closes a switch type instrument.
 - **Operator Keyboard:** This section shows the relationship between the keyboard and the operation windows. When the user selects a keyboard icon he will get either a “pop-up” window describing the function of the key or be taken to the appropriate window. From the window he can return to the interactive keyboard.
 - **System Status Display:** This section covers calling up system alarms and their associated help messages. The user also calls up the field control station status display where he will select icons and buttons for more information.
 - **Process Report:** This section cover the displaying of the process report window and how to use the filtering function that it has.
 - **Historical Report:** This covers calling up past events and using of the filtering function to display the desired information.
 - **Sequence Control:** (Optional section, depending upon the plant’s operator requirements) This section covers the three ways that sequence control can be accomplished in the CS1000/3000 systems.
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- Sequence Table: This interactively defines the data displayed as part of the sequence table through “pop-up” windows. The user is also taken through a “running process”. The CBT tells the user what the table is doing as it waits for specific inputs (conditions) and what occurs when its outputs (actions) take place.
- Logic Chart: The user, in this section, is shown how to call up a logic chart and then view it as it interactively describes how logic is blocking or passing interlock data through.
- SFC and SEBOL: This shows the user how to call up call up a SFC block and open the open the process steps created inside of it. When the process step is opened a SEBOL program is revealed with a window describing, to the user, what the lines of SEBOL text are doing.

After completing these tasks, the user is the required to go through a review section on the guidebook to re-enforce this new knowledge.

CBT PRICING INFORMATION

Contract Customers - \$1,500 (1 to 4 copies)
\$1,300 (5 to 10 copies)
\$1,200 (11 or more)
(Customers that have an annual service agreement)

Non-Contract Customers - \$2,000 (1 to 4 copies)
\$1,800 (5 to 10 copies)
\$1,700 (11 or more copies)

Purchased w/ training class: \$1,600 (per copy)
