

# BC425

## Enhancements and Modifications

### COURSE OUTLINE

Course Version: 18

Course Duration:

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# Typographic Conventions

American English is the standard used in this handbook.

The following typographic conventions are also used.

This information is displayed in the instructor's presentation



Demonstration



Procedure



Warning or Caution



Hint



Related or Additional Information



Facilitated Discussion



User interface control

*Example text*

Window title

*Example text*

# VLC About This Handbook

## About This Handbook

This handbook provides you with basic information for attending your virtual live classroom session.

## Adobe Connect Support Information

Web and audio support is available by:

- Pressing \*0 from within the audio-conferencing
- Calling the support hotline numbers listed below
- Emailing the PGi support hotline below

Global PGi Support Hotline for SAP Education (24/7)

Tel: +1 800-368-1945

Tel: +1 719-234-7915

Note: After dialing in, press option 2 for technical support. You will then be presented with two options – press 1 for Audio support, or press 2 for Web support.

Email: [sapedsupport@premiereglocal.com](mailto:sapedsupport@premiereglocal.com)

## Setting up your Learning Environment

Ideally you want to be in a private room when participating in a synchronous (live) event. In reality, you may not be able to arrange that. Here are some tips for maximizing your learning environment:

- Create an inspirational office/studio to work in
- Use a comfortable chair
- Use well designed and functional computer peripherals
- Keep a log or journal of notes and ideas you can use for future sessions

## Before your online class:

- Tell co-workers you will be in class (send e-mail)
- Post a sign indicating when you will be free again (when class is over)
- Use a headset instead of your computer speakers to minimize disruption of others
- Ignore people who try to get your attention
- Turn off the ringers / alerts on telephone, pager, and cell phone
- Turn off e-mail and instant message alerts
- Remove other distractions lying on your desktop
- Keep a glass of water at your desk

## Teleconferencing ground rules:

- Use the mute button or press \*6
- Do not place call on hold

- Use the "Raise hand" icon in the Attendee List: My Status to indicate you want to ask a question
- Identify yourself before speaking, when not called on
- Charge the batteries for your cordless handset
- If possible use a land line instead of your cell phone

### **Minimum Hardware Requirements**

- PC with 1.4 GHz processor or higher (Windows) or 1.83 GHz process or higher (Mac OS). Minimum processor required for screen sharing. You may be asked to share your screen during hands-on exercise portions of the class.
- 17 inch or larger monitor is recommended, set at 1024 X 768. Larger monitor and 1024 X 768 setting will make presentation and system screens easier to read.
- Phone with Headset/Microphone or Speakerphone feature – to maximize student listening and comfort during presentation and demonstration portions of the course.

### **Software Requirement**

A complete list of supported Operating Systems, browsers and additional requirements for Adobe® Acrobat® Connect™ can be found at: [www.adobe.com/products/acrobatconnectpro/systemreqs](http://www.adobe.com/products/acrobatconnectpro/systemreqs)

### **Sample Email to Notify Others You Are in a Virtual Class**

This is a sample of an email you can send to your colleagues and manager when you are taking an online course.

Dear colleagues,

Today I will be participating in an online class from my desk. I will be online from approximately 9:30 a.m. to 5:30 a.m. EST. I would appreciate it if you would not disturb me during this time. If you have an immediate question, please contact Joe Smith at extension 123. If it can wait until after 11:00 a.m., please send me an email and I will follow up with you before the end of the business day. I appreciate your consideration.

Best regards,

### **Getting the Most Out of Your Session**

#### **Session Guidelines**

- Turn off email, phones, instant messaging tools, and clear other distractions away from your training area.
- Participate and prepare to be called on by name.
- Use the "Raise Hand" icon if you have an immediate question or comment.
- Be patient waiting for a response to your chat messages.
- If you leave the program, please use the "Step Away" status icon in the Attendee List pod to let your instructor know when you leave and remember to clear it when you return.



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# Course Overview

## **TARGET AUDIENCE**

This course is intended for the following audiences:

- Developer
- Development Consultant



## Lesson 1: Adjusting SAP Standard Software

### Lesson Objectives

After completing this lesson, you will be able to:

- Describe the options for adjusting the SAP standard system

## Lesson 2: Describing Classic Enhancement Types

### Lesson Objectives

After completing this lesson, you will be able to:

- Describe the enhancement types



## Lesson 1: Implementing Transaction Variants

### Lesson Objectives

After completing this lesson, you will be able to:

- Personalize transactions
- Personalize transactions using variants
- Personalize transactions using GuiXT



## Lesson 1: Enhancing Tables Using Append Structures and Customizing Includes

### Lesson Objectives

After completing this lesson, you will be able to:

- Enhance tables by using append structures
- Enhance tables by using Customizing Includes

## Lesson 2: Enhancing Texts of Data Elements

### Lesson Objectives

After completing this lesson, you will be able to:

- Enhance texts of data elements

## Lesson 3: Enhancing SAP Standard Search Helps

### Lesson Objectives

After completing this lesson, you will be able to:

- Enhance standard search helps with append search helps

## Lesson 4: Enhancing Other ABAP Dictionary Objects

### Lesson Objectives

After completing this lesson, you will be able to:

- Create extension indexes for SAP tables
- Add additional fixed values to SAP domains without making modifications





## Lesson 1: Describing Enhancement Projects

### Lesson Objectives

After completing this lesson, you will be able to:

- Describe enhancement projects
- Create enhancement projects

## Lesson 2: Enhancing Programs Using Program Exits

### Lesson Objectives

After completing this lesson, you will be able to:

- Enhance code using program exits
- Implement exit function groups

## Lesson 3: Enhancing Menus Using Menu Exits

### Lesson Objectives

After completing this lesson, you will be able to:

- Enhance menus using menu exits

## Lesson 4: Enhancing Screens Using Screen Exits

### Lesson Objectives

After completing this lesson, you will be able to:

- Enhance screens using screen exits



## Lesson 1: Implementing Business Transaction Events (BTEs)

### Lesson Objectives

After completing this lesson, you will be able to:

- Explain business transaction events
- Implement Business Transaction Events



## Lesson 1: Describing an ABAP Objects Interface

### Lesson Objectives

After completing this lesson, you will be able to:

- Describe an ABAP Objects interface

## Lesson 2: Describing Classic Business Add-Ins (BAdIs)

### Lesson Objectives

After completing this lesson, you will be able to:

- Describe classic Business Add-Ins (BAdIs)

## Lesson 3: Enhancing Programs Using Classic BAdIs

### Lesson Objectives

After completing this lesson, you will be able to:

- Enhance programs by using classic BAdIs

## Lesson 4: Enhancing Screens Using Classic Business Add-In (BAdI) Screen Exits

### Lesson Objectives

After completing this lesson, you will be able to:

- Describe classic BAdI screen exits
- Implement classic BAdI screen exits

## Lesson 5: Explaining Additional Details of Business Add-Ins (BAdIs)

### Lesson Objectives

After completing this lesson, you will be able to:

- Explain additional details of BAdIs



## **Lesson 1: Describing the Change from Classic BAdIs to New BAdIs**

### **Lesson Objectives**

After completing this lesson, you will be able to:

- Explain the Integration of BAdIs into the Enhancement Framework

## **Lesson 2: Using New Business Add-In (BAdI) Program Exits**

### **Lesson Objectives**

After completing this lesson, you will be able to:

- Implement New BAdI Program Exits

## **Lesson 3: Using New Business Add-In (BAdI) Menu Exits**

### **Lesson Objectives**

After completing this lesson, you will be able to:

- Implement New BAdI Menu Exits

## **Lesson 4: Using New Business Add-In (BAdI) Screen Exits**

### **Lesson Objectives**

After completing this lesson, you will be able to:

- Implement New BAdI Screen Exits

## **Lesson 5: Using New Business Add-Ins (BAdIs)**

### **Lesson Objectives**

After completing this lesson, you will be able to:

- Define New BAdIs





## Lesson 1: Describing the Enhancement Framework

### Lesson Objectives

After completing this lesson, you will be able to:

- Describe the enhancement options available in the Enhancement Framework
- Describe Enhancement Spots

## Lesson 2: Using Explicit Enhancements

### Lesson Objectives

After completing this lesson, you will be able to:

- Use explicit enhancements



## Lesson 1: Explaining Implicit Enhancements

### Lesson Objectives

After completing this lesson, you will be able to:

- Describe implicit enhancements

## Lesson 2: Implementing Implicit Enhancements in Function Modules

### Lesson Objectives

After completing this lesson, you will be able to:

- Use Implicit Enhancements in SAP function modules

## Lesson 3: Implementing Implicit Enhancements in Global SAP Classes

### Lesson Objectives

After completing this lesson, you will be able to:

- Use implicit enhancements in global SAP classes

## Lesson 4: Using Other Implicit Enhancements

### Lesson Objectives

After completing this lesson, you will be able to:

- Use implicit enhancements in local SAP classes
- Use implicit enhancements in SAP programs
- Use Implicit Enhancements in existing enhancement implementations

## Lesson 5: Using Composite Enhancements

### Lesson Objectives

After completing this lesson, you will be able to:

- Use composite enhancements



## Lesson 1: Modifying SAP Standard Software

### Lesson Objectives

After completing this lesson, you will be able to:

- Implement modifications

## Lesson 2: Modifying Applications using the Modification Assistant

### Lesson Objectives

After completing this lesson, you will be able to:

- Implement modifications using the Modification Assistant

## Lesson 3: Implementing User Exits

### Lesson Objectives

After completing this lesson, you will be able to:

- Implement modifications using user exits

## Lesson 4: Adjusting Modifications

### Lesson Objectives

After completing this lesson, you will be able to:

- Adjust modifications



## Lesson 1: Adjusting Enhancement Implementations

### Lesson Objectives

After completing this lesson, you will be able to:

- Adjust an enhancement implementation
- Migrate Classic BAdIs





## Lesson 1: Using the Switch Framework

### Lesson Objectives

After completing this lesson, you will be able to:

- Use the Switch Framework to activate and deactivate enhancement implementations

## Lesson 2: Resolving Conflicts Using the Switch Framework

### Lesson Objectives

After completing this lesson, you will be able to:

- Resolve Conflicts Using Conflict Switches



## Lesson 1: Comparing Options for Changes to SAP Standard Software

### Lesson Objectives

After completing this lesson, you will be able to:

- Describe when different change techniques should be used



## Lesson 1: Describing Legacy Enhancement Techniques

### Lesson Objectives

After completing this lesson, you will be able to:

- Identify legacy enhancement techniques