

Assessing and Validating Solutions

A CBAP® Preparation Course

Instructor-Led, On-Site Duration 2 days

Overview

This seminar is designed specifically to teach practitioners techniques that are recommended by the International Institute of Business Analysts (IIBA®). It builds the requisite knowledge and vocabulary based on the *Business Analysis Body of Knowledge*® to prepare you for ultimately taking and passing the Certified Business Analysis Professional® exam.

The techniques and topics presented herein target specifically knowledge area **7 Solution Assessment and Validation**. The course utilizes experiential instruction to present the technique and includes an in-depth review of the knowledge area as the final section to reinforce the concepts and terminology.

Target Audience

Business analysts
Business Systems Analysts
Requirements Engineers
Anyone wanting to work towards becoming a Certified Business Analysis Professional® (CBAP®)

Learning Objectives

Upon completion of this seminar, you will . . .

- Describe test planning's role in preparing to assess a solution
- List the techniques used in KA7: Assessing a Proposed Solution
- Define techniques for Assessing Organizational Readiness
- Differentiate between SWOT analysis and Force Field Analysis
- Discover transition requirements using process and data models of the proposed solution
- Perform root cause analysis using fishbone diagrams
- Use problem tracking forms to assist in validating a solution
- Explain the concepts related to Solution Assessment and Validation
- Describe the tasks referenced in the *BABOK*® for this knowledge area
- Demonstrate increased proficiency in the *BABOK*® terminology
- Paraphrase the goals and objectives of the knowledge area Solution Assessment and Validation
- List techniques that the *BABOK*® recommends for completing the tasks of this knowledge area

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1 Solution Assessment and Validation

The Ins and Outs of Solution Assessment and Validation

What You Do in Solution Assessment and Validation

Preparing Solution Validation

What is an Integrated Business Solution?

Exercise: Business System Components

Exercise: Other Testing Terminology

Test Environment Components (TEC)

A “Real” Testing Methodology

Exercise: Testing Activities

Testing Reality

To Test Or Not To Test

The Cost of Errors

Capabilities Maturity Model

Testing Maturity Model

Why do we test?

2 Assess Proposed Solution

Assess Proposed Solution I_O Diagram

Assess Proposed Solution Input/Output Diagram

Testing Phases

Testing Phases

Exercise: Testing Testing Phases

Test Planning Activities

Test Planning Activities

Criteria for a Testing Objective

Components of a Test Plan

Administrative Components of a Test Plan

Executive Components of a Test Plan

Phase Transition Guard Conditions

Scheduling Components of a Test Plan

Roles and Resources

Exercise: Defining the Scope

Roles and Responsibilities

Planning Required Resources

Test Plan Validation

Test Plan Validation

Organizing a Test Plan

Vendor Assessment

Vendor Assessment

Vendor Assessment Example

3 Allocate Requirements

Allocate Requirements I_O Diagram

Allocate Requirements Input/Output Diagram

Decision Tables

Decision Tables

Exercise: Decision Table Actions

Scenarios and Test Cases

User Scenarios for Use Cases and Test Cases

Use Case Scenario: Donald Pays For Insurance

The Advantage of Scenarios

Exercise: Bottom-up Use Cases

Requirements Allocation using Models

Requirements Allocation

Exercise: Requirements Allocation using Models

4 Assess Organizational Readiness

Assess Organizational Readiness I_O Diagram

Assess Organizational Readiness Input/Output Diagram

Managing Risks in Testing

How Can You Manage Risk?

Dimensions of Risk

Technology Risks Quantified

Exercise: Project Risk Evaluation

Business/Environmental Risks

Test Prioritization

Test Type Prioritization

Exercise: Selecting Test Types

Exercise: Risk-Reducing Documents

Exercise: Identifying Roles and Resources

Exercise: Estimating Testing Effort

Critical Testing Assumptions

7 Potential Pitfalls

Corporate Culture as a Business Risk [1]

Testing Maturity Model

SWOT Analysis

SWOT Analysis

Force Field Analysis

Force Field Analysis

5 Define Transition Requirements

Define Transition Requirements I_O Diagram

Define Transition Requirements Input/Output Diagram

Transition Requirements

Discussion: Eliciting Transition Requirements

Discovering Transition Requirements

Context Level Diagram

Business Process Model Detail

Business Data Model

Exercise: Other Models

6 Validate Solution

Validate Solution I_O Diagram

Validate Solution Input/Output Diagram

Identifying Test Cases

Test Case Identification Methodology

Testing Document Structure

Test Case Documentation

Contents of a Test Script

Audience-Based Scripting

Exercise: Test Script Creation

Test Engineering

Engineering Test Data

Exercise: Set-up Data Engineering

Execution Data Engineering

Test Case Completeness Check

Test Case Validation

Root Cause Analysis

Root Cause Analysis using a Fishbone Diagram

Ishikawa Diagrams

The Why Tree

Problem Tracking

Defect Reporting

Incident Report Components

Problem Resolution Components

Static Testing

Testing Functional Requirements

Dynamic Testing

White Box Testing Defined

Black Box Testing Defined

Testing System Reliability

Usability Testing

Performance Testing

Exception-Based Test Cases

Visible Tools

Diagrams and Testing

Truth Tables

To Automate or Not

Automated Tools Types

Test Setup Checklist

Test Reset Checklist

7 Evaluate Solution Performance

Evaluate Solution Performance I_O Diagram

Evaluate Solution Performance Input/Output
Diagram

Performance Assessment

Of People and Methods

Static Assessments

Exercise: Performance Assessment Coverage

Rules of Walkthroughs and Inspections

Roles in Walkthroughs and Inspections

Performance Assessment Methods

Implementing Performance Assessments

Exercise: Making It Happen

Static Versus Dynamic Testing

8 KA7 Overview of Solution Assessment and Validation

Solution Assessment and Validation Defined

BABOK® Walk-Through:

KA 7 - Solution Assessment and Validation

9 KA7 The Ins and Outs of Solution Assessment and Validation

The Ins and Outs of Solution Assessment and Validation

What You Do in Solution Assessment and Validation

Outcomes of Solution Assessment and Validation

10 KA7 Specific Activities of Solution Assessment and Validation

Tasks in Solution Assessment and Validation

Tasks in Solution Assessment and Validation

KA7.1 Assessing a Proposed Solution

KA7.2 Requirements Allocation

KA7.3 Assessing Organizational Readiness

KA7.4 Defining Transitions

KA7.5 Solution Validation

KA7.6 Evaluating Solution Performance

11 KA7 Solution Assessment and Validation Technique Review

Techniques in Solution Assessment and Validation

Techniques in Solution Assessment and Validation

Techniques of Solution Assessment and Validation