



# BUSINESS ANALYSIS REFERENCE GUIDE

(BARG™)

## 7. IMPLEMENT

**A Comprehensive Guide to Implementing  
Business Analysis, with Practical Examples**

Includes insights into how Artificial Intelligence can enhance  
Business Analysis processes

## 7. IMPLEMENT

This chapter includes the processes related to implementing a specific Business Analysis initiative within an organization or a specific department: ‘*Gather Requirements and Create Designs*’, ‘*Refine and Validate Requirements and Designs*’, and ‘*Create Solutions and Obtain Approval*’.

*Implement*, as defined in *Business Analysis Reference Guide (BARG™)*, is applicable to the following:

- Business Analysis initiatives in *any* industry
- Products, services, or any other results to be delivered to Stakeholders
- Business Analysis Initiatives of any size or complexity

Business Analysis can be applied effectively to any initiative in any industry—from small initiatives or teams with as few as two team members to large, complex initiatives with up to several thousand members in several teams.

To facilitate the best application of the Business Analysis framework, this chapter identifies inputs, tools, and outputs for each process as either “mandatory” or “optional.” Inputs, tools, and outputs denoted by asterisks (\*) are mandatory, or considered critical to success, whereas those with no asterisks are optional.

It is recommended that the inexperienced Business Analysts and those individuals being introduced to the Business Analysis framework and processes focus primarily on the mandatory inputs, tools, and outputs; while experienced Business Analysts, and other more experienced Business Analysis practitioners, including Sponsors and relevant Stakeholders strive to attain a more thorough knowledge of the information in this entire chapter.

This chapter is written from the perspective of a single Business Analysis initiative within the company or a specific department, and follows:

- The *Setup* chapter, where the Business Analysis function is established for the entire organization or a specific department.
- The *Initiate* chapter, where Accepted Business Needs are determined, and the Business Analysis Team and Stakeholders involved in the specific initiative are identified.
- The *Plan* chapter, where Solution Templates are finalized, and the Business Analysis team defines the Business Analysis stages and plans how to manage Stakeholder engagement.

The outputs from this chapter will serve as valid inputs for the *Enhance* (Chapter 8) Business Analysis activities, which are discussed in the next chapter.

The *Implement* phase begins with the *Gather Requirements and Create Designs* process, as the Business Analysis Team collaborates with Stakeholders to gather Requirements. These requirements form the foundation of any Solution development and define what a business needs to solve a problem, improve a process, or deliver value to Stakeholders. The Business Analysis Team also works to Create Designs, which serve as a bridge between business needs and technical Solutions, and help translate abstract Requirements into actionable, implementable Solutions. Gathering Requirements and creating Designs is an iterative and interactive process and is typically done in tandem by the Business Analysis Team.

This is followed by *Refine and Validate Requirements and Design* process, where the Business Analysis Team continues to interact with relevant Stakeholders to further refine and validate the Requirements and Designs.

The refinement and validation of Requirements is performed iteratively and in tandem with the refinement and validation of Designs.

The final step in the Implement phase is the *Create Solutions and Obtain Approval* process, where the Business Analysis Team creates Solutions for the Business Analysis initiative and obtains approval from customers, users, or relevant Stakeholders, who must provide sign-off and formally accept the Solutions. These Approved Solutions align with Accepted Business Needs, Requirements, and Designs, follow the format prescribed in the Solution Templates, and have received formal approval for implementation.

*It is also important to realize that although all phases and processes are defined uniquely in the Business Analysis Reference Guide, they are not necessarily performed sequentially or separately. At times, it may be more appropriate to combine some phases and/or processes, depending on the specific needs of each initiative.*

Figure 7-1 provides an overview of the Initiate phase processes, which are as follows:

**7.1 Gather Requirements and Create Designs**—In this process, the Business Analysis Team works with relevant Stakeholders to Gather Requirements, which are derived from Accepted Business Needs and further refined through interactions with relevant Stakeholders. Requirements form the foundation of any Solution development and define what a business needs to solve a problem, improve a process, or deliver value to Stakeholders. Business Analysis Team also works to Create Designs, which serve as a bridge between business needs and technical Solutions. Designs help translate abstract Requirements into actionable, implementable Solutions. Gathering Requirements and creating Designs is an iterative and interactive process and is typically done in tandem by the Business Analysis Team.

**7.2 Refine and Validate Requirements and Designs**—In this process, the Business Analysis Team continues to interact with Stakeholders to further refine and validate the Requirements and Designs. Refined and Validated Requirements are thoroughly reviewed, clarified, and confirmed to be accurate, complete, and aligned with business objectives. Refined and validated Designs are updated and reviewed design artifacts that accurately represent Stakeholder Requirements and align with business goals. The refinement and validation of Requirements is performed iteratively and in tandem with the refinement and validation of Designs.

**7.3 Create Solutions and Obtain Approval**—In this process, the Business Analysis Team proceeds to Create Solutions and obtain Approval for the Solutions from customers, users, or relevant Stakeholders, who need to provide sign-off and formally accept the Solutions. These Approved Solutions align with Accepted Business Needs, Requirements, and Designs, follow the format prescribed in the Solution Templates, and have received formal approval for implementation.

Figure 7-1 shows all the inputs, tools, and outputs for processes in the Implement phase.

7.1 Gather Requirements and Create Designs	7.2 Refine and Validate Requirements and Designs	7.3 Create Solutions and Obtain Approvals
<b>INPUTS</b> <ol style="list-style-type: none"> <li>1. Accepted Business Needs*</li> <li>2. Solution Templates*</li> <li>3. Business Analysis Stages*</li> <li>4. Stakeholder Interactions*</li> <li>5. Business Analysis Team*</li> <li>6. Stakeholders*</li> <li>7. Sponsor(s)</li> <li>8. High-level Business Requirements</li> <li>9. Risks</li> <li>10. Dependencies</li> </ol> <b>TOOLS</b> <ol style="list-style-type: none"> <li>1. Elicitation Techniques*</li> <li>2. Modeling and Design Techniques*</li> <li>3. Collaboration Tools*</li> <li>4. AI-enabled Business Analysis Tool</li> </ol> <b>OUTPUTS</b> <ol style="list-style-type: none"> <li>1. Requirements*</li> <li>2. Designs*</li> <li>3. Traceability Matrix*</li> <li>4. Updated Risks</li> <li>5. Updated Dependencies</li> <li>6. Change Requests</li> </ol>	<b>INPUTS</b> <ol style="list-style-type: none"> <li>1. Requirements*</li> <li>2. Designs*</li> <li>3. Traceability Matrix*</li> <li>4. Accepted Business Needs*</li> <li>5. Solution Templates*</li> <li>6. Business Analysis Stages*</li> <li>7. Stakeholder Interactions*</li> <li>8. Business Analysis Team*</li> <li>9. Stakeholders*</li> <li>10. Sponsor(s)</li> <li>11. High-level Business Requirements</li> <li>12. Risks</li> <li>13. Dependencies</li> <li>14. Change Requests</li> </ol> <b>TOOLS</b> <ol style="list-style-type: none"> <li>1. Elicitation Techniques*</li> <li>2. Modeling and Design Techniques*</li> <li>3. Collaboration Tools*</li> <li>4. Checklists</li> <li>5. Risk Analysis, Mitigation and Acceptance</li> <li>6. Review and Manage Changes</li> <li>7. Requirements Validation Techniques</li> <li>8. Traceability Analysis</li> <li>9. AI-enabled Business Analysis Tool</li> </ol> <b>OUTPUTS</b> <ol style="list-style-type: none"> <li>1. Refined and Validated Requirements*</li> <li>2. Refined and Validated Designs*</li> <li>3. Updated Traceability Matrix*</li> <li>4. Updated Risks</li> <li>5. Updated Dependencies</li> <li>6. Approved and Rejected Changes</li> <li>7. Stakeholder Signoffs and Approvals</li> </ol>	<b>INPUTS</b> <ol style="list-style-type: none"> <li>1. Refined and Validated Requirements*</li> <li>2. Refined and Validated Designs*</li> <li>3. Traceability Matrix*</li> <li>4. Accepted Business Needs*</li> <li>5. Solution Templates*</li> <li>6. Business Analysis Stages*</li> <li>7. Stakeholder Interactions*</li> <li>8. Business Analysis Team*</li> <li>9. Stakeholders*</li> <li>10. Sponsor(s)</li> <li>11. High-level Business Requirements</li> <li>12. Risks</li> <li>13. Dependencies</li> </ol> <b>TOOLS</b> <ol style="list-style-type: none"> <li>1. Solution Creation Techniques*</li> <li>2. Approval Techniques*</li> <li>3. Collaboration Tools*</li> <li>4. Risk Analysis, Mitigation and Acceptance</li> <li>5. Traceability Analysis</li> <li>6. A/B Analysis</li> <li>7. AI-enabled Business Analysis Tool</li> </ol> <b>OUTPUTS</b> <ol style="list-style-type: none"> <li>1. Approved Solutions*</li> <li>2. Updated Traceability Matrix*</li> <li>3. Rejected Solution(s)</li> <li>4. Updated Business Case</li> <li>5. Updated Risks</li> </ol>

**Figure 7-1: Implement Overview**

*Note:* Asterisks (\*) denote a "mandatory" input, tool, or output for the corresponding process.

Figure 7-2 below shows all the mandatory inputs, tools, and outputs for processes in the Implement phase.

7.1 Gather Requirements and Create Designs	7.2 Refine and Validate Requirements and Designs	7.3 Create Solutions and Obtain Approvals
<b>INPUTS</b> <ol style="list-style-type: none"> <li>1. Accepted Business Needs*</li> <li>2. Solution Templates*</li> <li>3. Business Analysis Stages*</li> <li>4. Stakeholder Interactions*</li> <li>5. Business Analysis Team*</li> <li>6. Stakeholders*</li> </ol> <b>TOOLS</b> <ol style="list-style-type: none"> <li>1. Elicitation Techniques*</li> <li>2. Modeling and Design Techniques*</li> <li>3. Collaboration Tools*</li> </ol> <b>OUTPUTS</b> <ol style="list-style-type: none"> <li>1. Requirements*</li> <li>2. Designs*</li> <li>3. Traceability Matrix*</li> </ol>	<b>INPUTS</b> <ol style="list-style-type: none"> <li>1. Requirements*</li> <li>2. Designs*</li> <li>3. Traceability Matrix*</li> <li>4. Accepted Business Needs*</li> <li>5. Solution Templates*</li> <li>6. Business Analysis Stages*</li> <li>7. Stakeholder Interactions*</li> <li>8. Business Analysis Team*</li> <li>9. Stakeholders*</li> </ol> <b>TOOLS</b> <ol style="list-style-type: none"> <li>1. Elicitation Techniques*</li> <li>2. Modeling and Design Techniques*</li> <li>3. Collaboration Tools*</li> </ol> <b>OUTPUTS</b> <ol style="list-style-type: none"> <li>1. Refined and Validated Requirements*</li> <li>2. Refined and Validated Designs*</li> <li>3. Updated Traceability Matrix*</li> </ol>	<b>INPUTS</b> <ol style="list-style-type: none"> <li>1. Refined and Validated Requirements*</li> <li>2. Refined and Validated Designs*</li> <li>3. Traceability Matrix*</li> <li>4. Accepted Business Needs*</li> <li>5. Solution Templates*</li> <li>6. Business Analysis Stages*</li> <li>7. Stakeholder Interactions*</li> <li>8. Business Analysis Team*</li> <li>9. Stakeholders*</li> </ol> <b>TOOLS</b> <ol style="list-style-type: none"> <li>1. Solution Creation Techniques*</li> <li>2. Approval Techniques*</li> <li>3. Collaboration Tools*</li> </ol> <b>OUTPUTS</b> <ol style="list-style-type: none"> <li>1. Approved Solutions*</li> <li>2. Updated Traceability Matrix*</li> </ol>

**Figure 7-2: Implement Overview (Essentials)**

*Note:* Asterisks (\*) denote a "mandatory" input, tool, or output for the corresponding process.

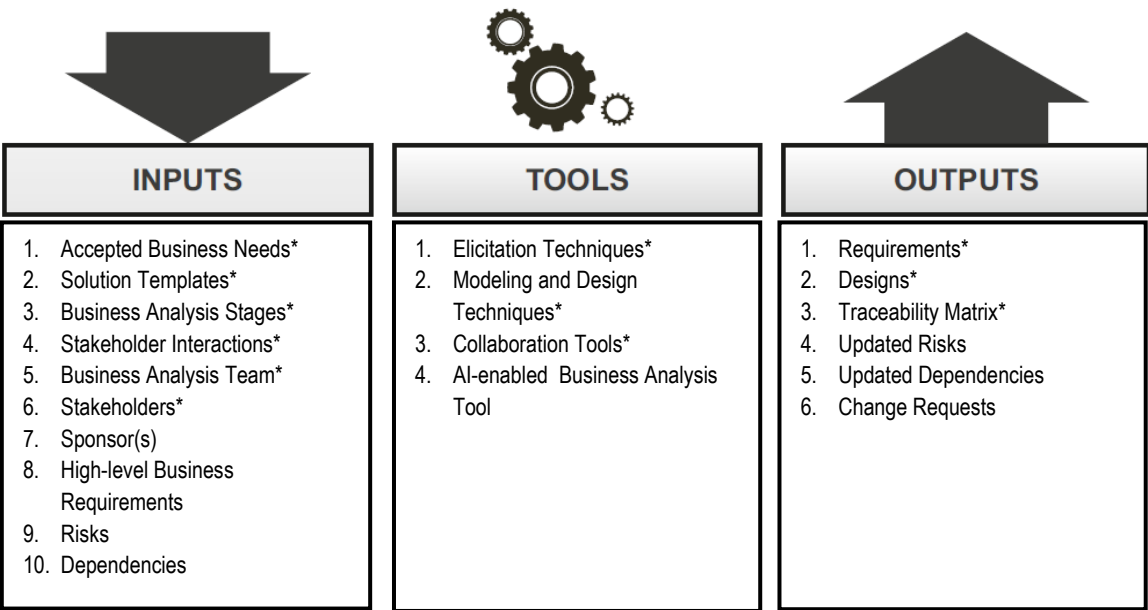
## 7.1 Gather Requirements and Create Designs

In the Implement Phase, the Business Analysis Team works with relevant Stakeholders to Gather Requirements, which are derived from Accepted Business Needs and further refined through interactions with relevant Stakeholders. Requirements form the foundation of any Solution development and define what a business needs to solve a problem, improve a process, or deliver value to Stakeholders.

The Business Analysis Team also works to Create Designs, which serve as a bridge between business needs and technical Solutions. They outline how the business needs will be met through systems, processes, interfaces, data models, or workflows. Designs help translate abstract Requirements into actionable, implementable Solutions.

Gathering Requirements and creating Designs is an iterative and interactive process and is typically done in tandem by the Business Analysis Team.

Figure 7-3 shows all the inputs, tools, and outputs for *Gather Requirements and Create Designs* process.



**Figure 7-3: Gather Requirements and Create Designs—Inputs, Tools, and Outputs**

*Note:* Asterisks (\*) denote a "mandatory" input, tool, or output for the corresponding process.

## 7.1.1 Inputs

### 7.1.1.1 Accepted Business Needs\*

Accepted Business Needs provide clarity and direction, helping the Business Analysis Team effectively Gather Requirements and Designs aligned with organizational goals and Stakeholder expectations.

For more information, refer section 5.3.3.1.

### 7.1.1.2 Solution Templates\*

Solution Templates streamline the process of gathering Requirements and Designs by providing standardized structures, ensuring consistency, completeness, and alignment with best practices and Stakeholder needs.

For more information, refer section 6.1.3.1.

### 7.1.1.3 Business Analysis Stages\*

Identified Business Analysis stages provide a structured approach to gathering Requirements and Designs. Each stage outlines specific activities, Stakeholder interactions, and deliverables, ensuring clarity, consistency, and alignment. This helps the Business Analysis Team effectively capture accurate Requirements and create suitable Designs.

For more information, refer section 6.2.3.1.

### 7.1.1.4 Stakeholder Interactions\*

Identified Stakeholder interactions help in gathering Requirements and Designs by ensuring the right individuals are engaged at the right time. Their input, feedback, and expertise contribute to accurate requirement definition, informed decision-making, and the development of Designs that meet business needs and expectations.

For more information, refer section 6.2.3.2.

### 7.1.1.5 Business Analysis Team\*

A Business Analysis Team consists of the Business Analysts selected to work on the Business Analysis initiative. This ensures accountability and expertise, enabling efficient gathering of Requirements and Designs through clear roles, effective collaboration, and consistent Stakeholder engagement.

For more information, refer section 5.4.3.1.

### 7.1.1.6 Stakeholders\*

Relevant Stakeholders help in gathering Requirements and Designs by providing valuable insights, validating needs, and ensuring that the proposed Solutions align with business objectives and expectations.

For more information, refer sections 3.2.3. and 5.4.3.2.

### 7.1.1.7 Sponsor(s)

Sponsors aid in gathering Requirements and Designs by providing strategic direction, ensuring alignment with business goals, securing resources, and supporting Stakeholder engagement throughout the analysis process.

For more information, refer section 3.2.2.

### 7.1.1.8 High-level Business Requirements

High-level Business Requirements aid in gathering Requirements and Designs by offering a clear understanding of business goals, guiding detailed analysis, and shaping appropriate Solution Designs.

For more information, refer sections 5.1.3.2 and 5.2.3.2.

### 7.1.1.9 Risks

Risks help in gathering Requirements and Designs by identifying potential issues early, allowing the team to address uncertainties, refine Requirements, and design more resilient Solutions.

For more information, refer sections 3.6 and 6.2.3.3.

### 7.1.1.10 Dependencies

Dependencies aid in gathering Requirements and Designs by highlighting interrelated tasks, systems, or Stakeholders, ensuring alignment, preventing conflicts, and supporting accurate planning and Solution development.

For more information, refer sections 5.4.2.8., 5.4.3.4., and 6.2.3.4.

## 7.1.2 Tools

### 7.1.2.1 Elicitation Techniques\*

Elicitation techniques are critical tools in Business Analysis used to collect information from Stakeholders, users, and other sources to understand business needs, Requirements, and constraints. Below is a detailed description of key elicitation techniques commonly used. (Note: This is not an exhaustive list; other elicitation techniques may be selected by Business Analysts as needed):

#### 1. Interviews

- Description: One-on-one or group sessions where the Business Analyst asks Stakeholders questions to gather information.
- Types: Structured (predefined questions), semi-structured (guided conversation), or unstructured (free-flowing).
- When to Use: For in-depth insights, especially from Subject Matter Experts (SMEs).
- Advantages: Direct, flexible, detailed understanding.
- Challenges: Time-consuming, depends on Stakeholder availability.



## 2. Workshops (e.g., JAD - Joint Application Development)

- Description: Facilitated sessions with multiple Stakeholders to collaboratively Gather Requirements or validate Designs.
- When to Use: For resolving conflicts, generating consensus, or validating a set of Requirements quickly.
- Advantages: Efficient, promotes shared understanding, supports real-time decision-making.
- Challenges: Needs skilled facilitation, scheduling complexities.

## 3. Surveys/Questionnaires

- Description: Predefined questions distributed to a large group of Stakeholders to collect structured input.
- When to Use: When you need to gather data from many people or those who are remote.
- Advantages: Cost-effective, fast, and scalable.
- Challenges: Limited detail, dependent on question quality.

## 4. Observation

- Description: Watching users perform their tasks in their real environment.
- Types: Passive (no interaction) or active (asking questions during the process).
- When to Use: To understand actual processes and workflows.
- Advantages: Reveals undocumented steps, identifies inefficiencies.
- Challenges: Time-consuming, may not show exceptions or edge cases.

## 5. Document Analysis

- Description: Reviewing existing documentation (e.g., process flows, manuals, reports) to understand current systems and identify gaps.
- When to Use: Early in the project or when replacing/updating existing systems.
- Advantages: Provides historical context, highlights past decisions and patterns.
- Challenges: Documents may be outdated or incomplete.

## 6. Brainstorming

- Description: Group technique to generate a wide range of ideas quickly.
- When to Use: In the early stages to explore possibilities and encourage creativity.
- Advantages: Encourages participation, useful for innovative Solutions.
- Challenges: Can be unstructured without good facilitation.

## 7. Focus Groups

- Description: A guided discussion with a selected group of Stakeholders to collect opinions and feedback.
- When to Use: For exploring user attitudes, needs, and expectations.
- Advantages: Encourages diverse perspectives, faster than individual interviews.
- Challenges: Group dynamics may affect input, not suitable for very technical discussions.

## 8. Prototyping

- Description: Creating early versions of a Solution (e.g., mockups, wireframes) to gather feedback.
- When to Use: To visualize Requirements and reduce ambiguity.

- Advantages: Tangible models help clarify needs, supports iterative refinement.
- Challenges: Stakeholders might focus too much on design rather than functionality.

## 9. Interface Analysis

- Description: Examining interactions between systems, users, and external components.
- When to Use: For integration projects or systems involving multiple interfaces.
- Advantages: Identifies technical Requirements and data flows.
- Challenges: Can be complex, requires technical knowledge.

## 10. Requirements Workshops

- Description: Targeted sessions to define, prioritize, and validate Requirements.
- When to Use: When multiple Stakeholders need to contribute to Requirements at the same time.
- Advantages: Real-time collaboration, efficient requirement gathering.
- Challenges: Needs structure and skilled facilitation.

Choosing the Right Elicitation Technique depends on:

- Stakeholder availability and location
- Project size and complexity
- Type of information needed
- Time and resources available

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### 7.1.2.2 Modeling and Design Techniques\*

Modeling and design techniques are essential in Business Analysis for visualizing, analyzing, and communicating complex information, systems, and processes. These techniques help structure Requirements, identify gaps, and support the design of effective Solutions.

Below is a detailed description of common modeling and design techniques used in Business Analysis(*Note: This is not an exhaustive list; other Modeling and Design techniques may be selected by Business Analysts as needed.*):

#### 1. Process Modeling (e.g., BPMN - Business Process Model and Notation)

- Description: Illustrates how business processes work from start to finish. Shows the flow of tasks, decision points, and interactions between participants (roles or systems).
- When to Use:
  - To understand or optimize current processes
  - To define how a new process should work
- Advantages:
  - Clarifies workflows
  - Highlights inefficiencies or bottlenecks
  - Aids in training and communication

#### 2. Data Modeling (e.g., ERD - Entity Relationship Diagrams)

- Description: Represents data elements and their relationships. Shows how entities like customers, orders, or products relate to each other.

- When to Use:
  - To define database structures
  - To understand data Requirements
- Advantages:
- Supports database design
  - Ensures data consistency
  - Facilitates communication between business and technical teams

### 3. Use Case Modeling

- Description: Describes interactions between users (actors) and the system to achieve specific goals. Captured through use case diagrams and narratives.
- When to Use:
  - To capture functional Requirements
  - In systems where user interaction is central
- Advantages:
  - Simple and intuitive
  - Helps define system boundaries and user expectations

### 4. Activity Diagrams (UML)

- Description: Shows the flow of control or data within a system or process. Similar to flowcharts but focused on the logic of actions and decisions.
- When to Use:
  - To break down complex workflows
  - During early stages of system design
- Advantages:
  - Helps visualize conditional logic
  - Clarifies responsibilities between roles

### 5. Wireframes and Mockups

- Description: Visual representations of user interfaces (UI). Wireframes are low fidelity (basic layout), while mockups are high-fidelity (detailed and styled).
- When to Use:
  - To design or validate screen layouts
  - In UI/UX-driven projects
- Advantages:
  - Helps Stakeholders visualize Solutions early
  - Reduces misunderstandings of system look and feel

### 6. Class Diagrams (UML)

- Description: Used in object-oriented design to show system structure, including classes, attributes, methods, and relationships.
- When to Use:
  - For systems built using object-oriented programming
  - When designing reusable components

- Advantages:
  - Provides technical clarity
  - Aids in planning system architecture

## 7. State Diagrams

- Description: Illustrate the states an object can be in and the transitions between those states triggered by events.
- When to Use:
  - When modeling life cycles (e.g., order states: new, processed, shipped)
  - To describe dynamic behavior of systems
- Advantages:
  - Helps define valid system transitions
  - Useful for workflow-driven applications

## 8. Sequence Diagrams

- Description: Show the sequence of interactions between objects or components over time.
- When to Use:
  - For system integration and communication flow
  - To define service interfaces and timing
- Advantages:
  - Clarifies dependencies between components
  - Identifies timing-related issues

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## 9. Gap Analysis

- Description: Compares current state (as-is) with desired future state (to-be) to identify gaps in capabilities, processes, or systems.
- When to Use:
  - During strategic planning
  - To define transformation roadmaps
- Advantages:
  - Helps prioritize changes
  - Aligns analysis with business objectives

## 10. SWOT Analysis

- Description: Assesses internal strengths and weaknesses, and external opportunities and threats related to a business or initiative.
- When to Use:
  - In early analysis or feasibility studies
  - To support strategic decision-making
- Advantages:
  - Offers a holistic view
  - Encourages proactive planning

Choosing the Right Technique Depends On:

- The complexity of the system or process
- Stakeholder familiarity and preference
- Available tools and documentation needs
- Project methodology (Agile, Waterfall, etc.)

### 7.1.2.3 Collaboration Tools\*

Collaboration tools for Business Analysis support effective communication, documentation, and Stakeholder engagement. These tools should facilitate all necessary Stakeholder interactions as required for the Business Analysis initiative, as described in Section 6.2.3.2.

### 7.1.2.4 AI-enabled Business Analysis Tool

An AI-enabled Business Analysis tool enhances the gathering of Requirements and Designs by automating data analysis, identifying patterns, suggesting Requirements, and generating design models. It improves accuracy, speeds up decision-making, and ensures alignment with business goals and Stakeholder expectations.

For more information, refer section 4.4.3.1.

## 7.1.3 Outputs

### 7.1.3.1 Requirements\*

In Business Analysis, Requirements form the foundation of any Solution development. They are derived from Accepted Business Needs and further refined through interactions with relevant Stakeholders. Requirements define what a business needs to solve a problem, improve a process, or deliver value to Stakeholders. They serve as a bridge between business needs and technical Solutions.

Types of Requirements

#### 1. Business Requirements

- Definition: High-level statements of goals, objectives, or needs of the organization.
- Example: "Improve customer satisfaction by reducing response time."

#### 2. Stakeholder Requirements

- Definition: Describe needs from the perspective of Stakeholders (users, Sponsors, customers).
- Example: "Customer support agents need a dashboard to track open cases."

#### 3. Functional Requirements

- Definition: Define what a system or Solution must do (features, behavior).
- Example: "The system must send an email notification when an order is placed."

#### 4. Non-Functional Requirements (NFRs)

- Definition: Describe how the system should perform (quality attributes).

- Examples: performance, security, usability, scalability.
- Example: “The system should handle 1,000 concurrent users.”

## 5. Transition Requirements

- Definition: Temporary capabilities needed to move from current state to future state.
- Example: “Provide data migration from legacy system to the new platform.”

### Purpose of Requirements

- Define the scope of the project
- Align Stakeholders on expectations
- Serve as a blueprint for design and development
- Facilitate testing and validation
- Reduce risks and avoid rework

### Characteristics of Good Requirements (Often summarized as SMART or INVEST)

#### SMART:

- Specific
- Measurable
- Achievable
- Relevant
- Time-bound

#### INVEST:

- Independent
- Negotiable
- Valuable
- Estimable
- Small
- Testable

### Requirement Lifecycle

- Accepted Business Needs
- Elicitation (gathering Requirements)
- Requirements Refinement
- Requirements Documentation
- Requirements Validation
- Requirements Approval
- Change Management (traceability and updates)

Figure 7-4 shows displays a "Requirements List" interface showing software requirements with columns for ID, title, hierarchy level, subsystem, priority, status, and reviewer, facilitating tracking and management of development tasks:

	ID	Title	Hierarchy Level	Subsystem	Priority	Status	Reviewer
<input type="checkbox"/>	21	It should be possible to create a repo...	7 - BackloggCRs	Book flights	Should	Proposed	
<input type="checkbox"/>	20	It should be possible to make a book...	7 - BackloggCRs	Payment	Should	Proposed	
<input type="checkbox"/>	19	Pay with invoice received by email	6 - Pay with invoice	Payment	Could	Approved	
<input type="checkbox"/>	18	Pay with MasterCard	5 - Pay with credit card	Payment	Should	In progress	
<input type="checkbox"/>	17	Pay with Visa	5 - Pay with credit card	Payment	Must	Implemented	
<input type="checkbox"/>	16	Check in online	3 - Manage my flight	My pages	Could	Proposed	
<input type="checkbox"/>	15	Print boarding card	3 - Manage my flight	My pages	Should	Proposed	
<input type="checkbox"/>	14	Add luggage	3 - Manage my flight	My pages	Could	Proposed	
<input type="checkbox"/>	13	Change reservation	3 - Manage my flight	My pages	Must	Proposed	

Figure 7-4: Requirements Documentation (Source: ReQtest)

### 7.1.3.2 Designs\*

In Business Analysis, Designs represent the possible Solutions that fulfill the defined Requirements. They outline how the business needs will be met through systems, processes, interfaces, data models, or workflows. Designs help translate abstract Requirements into actionable, implementable Solutions. Designs are representations of a Solution that describe its structure, behavior, and features.

Designs in Business Analysis provide the "how" to meet the "what" of Requirements. They are crucial for bridging the gap between ideas and implementation, ensuring that business Solutions are not only needed—but usable, buildable, and valuable. Designs help guide development and ensure the Solution aligns with business goals, Stakeholder needs, and Requirements.

Designs are typically created after the Accepted Business Needs are specified and Requirements for creating the Designs are available.

## Examples of Designs created from Requirements

### 1. Education Industry

Project: Development of a Learning Management System (LMS)

After Requirements Gathering, Designs Created:

- Wireframes for student and instructor dashboards
- Data model for courses, users, and assessments
- User roles and permissions matrix

Designs were then made Available To: Academic staff, IT developers, and course designers via a shared portal for feedback and approval.

### 2. Manufacturing Industry

Project: Implementation of an Inventory Management System

After Requirements Gathering, Designs Created:

- Process models for stock tracking and reordering
- Integration blueprint with existing ERP system
- Logical data model for warehouses, parts, and vendors

Designs were made Available To: Operations managers, procurement officers, and system integrators to align design with logistics workflows.

### 3. Banking Industry

Project: Launch of a Digital Loan Application Platform

After Requirements Gathering, Designs Created:

- Use case diagrams for customer and back-office interactions
- UI mockups for mobile and desktop loan forms
- Workflow design for automated loan approval stages

Designs were made Available To: Product owners, compliance teams, and developers through a secured project repository.



It is important to note that the Requirements gathering and design creation process can be performed iteratively and repeated multiple times until an appropriate design is achieved—one that satisfies the customers and Stakeholders, and supports finalizing the Solution for the Business Analysis initiative.

#### Examples of Designs created iteratively from Requirements

In website creation, Requirements gathering and design are done iteratively by first identifying basic features like homepage layout and navigation. After initial Designs are reviewed, feedback is collected and used to refine content structure, visuals, and functionality. Each iteration improves usability and aligns the website more closely with Stakeholder expectations and improves the Business Analysis Solution.

### Types of Designs

#### 1. Conceptual Designs

- High-level overview of the Solution
- Focuses on business capabilities, processes, and Stakeholder roles
- Example: A customer journey map or a high-level process flow

#### 2. Logical Designs

- More detailed than conceptual
- Defines data elements, system behaviors, and interactions (but not technologies)
- Example: Logical data models, business rules diagrams

#### 3. Physical (or Technical) Designs

- Technology-specific design of the Solution
- Includes databases, user interfaces, integration specs, prototypes, etc.
- Example: Database schema, API specs, UI wireframes

### Purpose of Designs in Business Analysis

- Translate Requirements into a tangible form.
- Provide blueprints for developers, architects, and testers.
- Facilitate communication between technical and business teams.
- Ensure the Solution meets business goals, is feasible, and can be implemented within constraints.

### Common Design Techniques

- Wireframes – Visualize user interfaces.
- Process Models (BPMN) – Show system or workflow behavior.
- Data Models – Define data structure and relationships.
- Use Case Diagrams – Describe user-system interactions.
- Sequence and Activity Diagrams – Map detailed behaviors.
- Prototypes – tangible or virtual model of a product e.g., scale model for a building.

Designs are typically reviewed and validated with Stakeholders to ensure:

- Alignment with Requirements

- Feasibility (technical, financial, organizational)
- Usability and performance
- Compliance with regulations or standards

#### Design Lifecycle

1. Accepted Business Needs
2. Elicitation (gathering Requirements)
3. Design Creation from Business Needs and Requirements
4. Design Refinement
5. Design Documentation
6. Design Validation
7. Design Approval
8. Change Management (traceability and updates)

### 7.1.3.3 Traceability Matrix\*

7

A Traceability Matrix in Business Analysis is a powerful tool used to track and map the relationship between key elements of the Business Analysis process—from the Accepted Business Needs all the way to the final Solution. It provides a clear, structured overview of how each business objective is addressed through Requirements, Designs, and implemented features.

#### Purpose of a Traceability Matrix

- Ensure alignment between business goals and final Solutions.
- Validate that Requirements and Designs directly relate to Accepted Business Needs
- Facilitate impact analysis during changes or updates.
- Identify gaps, overlaps, or missing elements early in the process.
- Enhance transparency and accountability across Stakeholders and teams.

Table 7-1 captures the key Components of the Traceability Matrix

Element	Description
<b>Accepted Business Need (BN)</b>	High-level business goals or problems to be addressed
<b>Requirement (REQ)</b>	Functional or non-functional needs derived from the business need
<b>Design (DSN)</b>	Conceptual, logical, or physical Designs to fulfill the requirement
<b>Solution Component(SOL)</b>	The actual part of the implemented Solution (e.g., feature, process, report)
<b>Test Case (TC)</b>	(Optional) Used to verify that the requirement and Solution meet expectations

Table 7-1: Key Components of the Traceability Matrix

### Traceability Workflow

- Accepted Business Needs → Define high-level goals approved by Stakeholders.
- Gather Requirements → Derive clear, specific, and testable Requirements that align with the needs.
- Create Designs → Develop models, wireframes, and data/process flows to satisfy the Requirements.
- Implement Solution → Build and deliver Solution components that fulfill the designed Requirements.
- Verify and Validate → Confirm that the Solution meets original business needs through testing and Stakeholder review.

Table 7-2 shows an example of a Traceability Matrix:

Business Need	Requirement	Design Element	Solution Component
BN-001: Improve customer service response time	REQ-005: Auto-assign incoming tickets	DSN-002: Workflow diagram for auto-assignment	SOL-003: Implemented ticket routing logic

**Table 7-2: Example of a Traceability Matrix**

### Benefits of Using a Traceability Matrix

- Provides full lifecycle visibility.
- Supports audit and compliance documentation.
- Simplifies change management by showing downstream impacts.
- Aids in testing and quality assurance
- Ensures Stakeholder satisfaction by tracing needs to results.

#### 7.1.3.4 Updated Risks

Additional risks are identified, and risk details are updated after the 'Gather Requirements and Create Designs' process. As Requirements become clearer and Designs are developed, new uncertainties, constraints, or integration challenges may emerge, allowing the Business Analysis Team to reassess and update risk management plans accordingly.

For more information, refer sections 3.6. and 6.2.3.3.

#### 7.1.3.5 Updated Dependencies

Dependencies are updated after gathering Requirements and creating Designs in Business Analysis to reflect newly identified relationships, constraints, or sequencing needs. This ensures accurate planning, alignment across teams, and better risk management as the Solution moves toward implementation.

For more information, refer sections 5.4.2.8. and 6.2.3.4.

### 7.1.3.6 Change Requests

Change requests often arise after the 'Gather Requirements and Create Designs' process, as deeper context is gained and interactions between the Business Analysis Team and Stakeholders increase. As Requirements are clarified and Designs are reviewed, Stakeholders may identify additional needs, suggest modifications, or highlight overlooked areas. These insights can lead to formal change requests that impact scope, timeline, or Solution design. The Business Analysis Team evaluates each request for feasibility and alignment with business goals, ensuring that changes are managed effectively and contribute positively to the success of the initiative.

For more information, refer to section 3.5.

## 7.2 Refine and Validate Requirements and Designs.

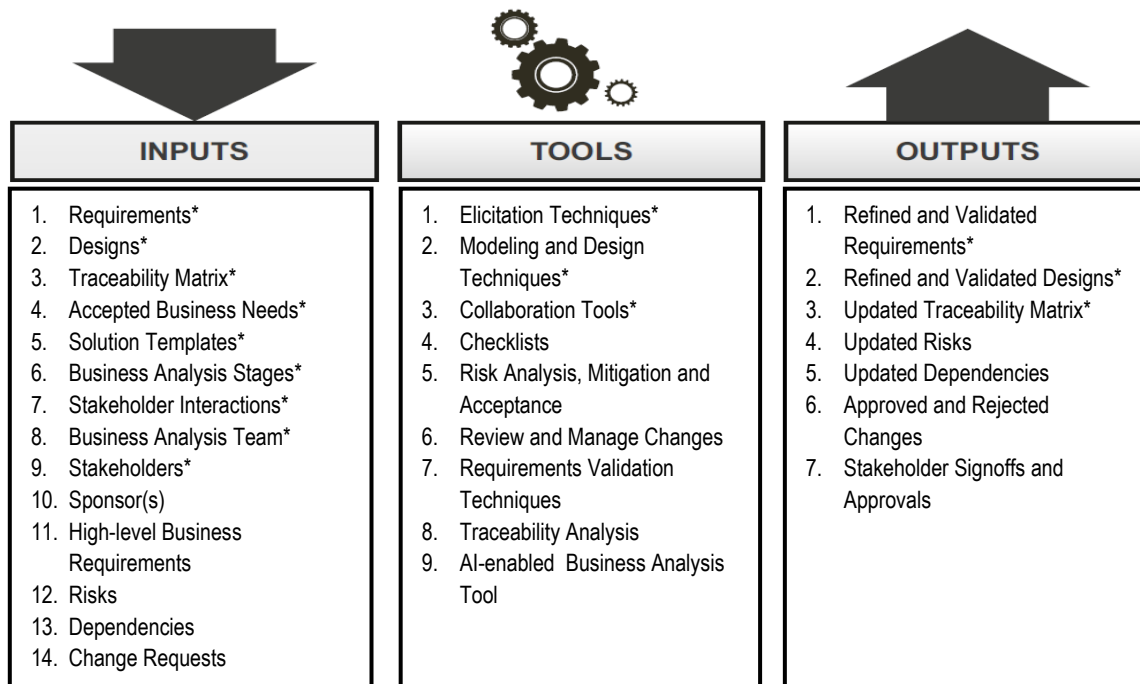
After *Gather Requirements and Create Designs* process, the Business Analysis Team continues to interact with Stakeholders to further refine and validate the Requirements and Designs.

Refined and Validated Requirements are thoroughly reviewed, clarified, and confirmed to be accurate, complete, and aligned with business objectives. Validation involves Stakeholder feedback, traceability checks, and quality reviews to ensure that all Requirements satisfy Accepted Business Needs and can be used for creating Solutions.

Refined and validated Designs are updated and reviewed design artifacts that accurately represent Stakeholder Requirements and align with business goals. Validation confirms that the Designs effectively support the intended Solution and are ready for implementation or further development.

The refinement and validation of Requirements is performed iteratively and in tandem with the refinement and validation of Designs.

Figure 7-5 shows all the inputs, tools, and outputs for *Refine and Validate Requirements and Designs* process.



**Figure 7-5: Demonstrate and Validate Sprint—Inputs, Tools, and Outputs**

*Note:* Asterisks (\*) denote a "mandatory" input, tool, or output for the corresponding process.

## 7.2.1 Inputs

### 7.2.1.1 Requirements\*

Gathered Requirements are refined and validated through Stakeholder collaboration, detailed analysis, and iterative feedback. This process ensures that the Requirements are accurate, complete, and aligned with the objectives of the business initiative.

For more information, refer to section 7.1.3.1.

### 7.2.1.2 Designs\*

Designs are refined and validated through Stakeholder feedback, reviews, and alignment with Requirements to ensure they are accurate, feasible, and support the intended business Solution.

For more information, refer to section 7.1.3.2.

### 7.2.1.3 Traceability Matrix\*

A Traceability Matrix serves as a valuable input to refine and validate Requirements and Designs by providing clear links between business needs, Requirements, Designs, and Solution components. It helps ensure that each requirement and design element is aligned with the original business objectives and that nothing essential is missed or misinterpreted. By tracing backward and forward, the Business Analysis Team can identify gaps, redundancies, or inconsistencies, enabling more accurate refinement. It also supports validation by confirming that Stakeholder expectations are addressed and that every requirement is supported by a corresponding design and, eventually, a deliverable.

For more information, refer to section 7.1.3.3.

### 7.2.1.4 Accepted Business Needs\*

Accepted Business Needs guide the refinement and validation of Requirements and Designs by ensuring alignment with strategic goals and Stakeholder expectations.

For more information, refer to section 5.3.3.1.

### 7.2.1.5 Solution Templates\*

Solution Templates support refining and validating Requirements and Designs by providing standardized structures, ensuring consistency, completeness, and alignment with best practices.

For more information, refer to section 6.1.3.1.

### **7.2.1.6 Business Analysis Stages\***

Business Analysis stages guide the refinement and validation of Requirements and Designs by structuring activities and ensuring alignment throughout the initiative lifecycle.

For more information, refer to section 6.2.3.1.

### **7.2.1.7 Stakeholder Interactions\***

Stakeholder interactions provide essential feedback and insights that help refine and validate Requirements and Designs, ensuring alignment with needs and expectations.

For more information, refer to section 6.2.3.2.

### **7.2.1.8 Business Analysis Team\***

The Business Analysis Team brings expertise and consistency, enabling effective refinement and validation of Requirements and Designs through collaboration and analysis.

For more information, refer to section 5.4.3.1.

### **7.2.1.9 Stakeholders\***

Stakeholders provide critical input, feedback, and validation to ensure Requirements and Designs accurately reflect business needs and expectations.

For more information, refer to sections 3.2.3. and 5.4.3.2.

### **7.2.1.10 Sponsor(s)**

Sponsors provide strategic direction and approval, helping refine and validate Requirements and Designs to ensure alignment with business goals and overall initiative success.

For more information, refer to section 3.2.2.

### **7.2.1.11 High-level Business Requirements**

High-level Business Requirements serve as a foundation to refine and validate detailed Requirements and Designs, ensuring alignment with business objectives.

For more information, refer to sections 5.1.3.2 and 5.2.3.2.

### **7.2.1.12 Risks**

Identified risks guide the refinement and validation of Requirements and Designs by highlighting potential issues, ensuring Solutions are robust and risk aware.

For more information, refer to sections 3.6., 6.2.3.3, and 7.1.3.4.

### 7.2.1.13 Dependencies

Dependencies inform the refinement and validation of Requirements and Designs by identifying related components, ensuring alignment, sequencing, and avoiding potential conflicts or delays.

For more information, refer to sections 5.4.2.8., 5.4.3.4., 6.2.3.4, and 7.1.3.5.

### 7.2.1.14 Change Requests

Change requests help refine and validate Requirements and Designs by incorporating updated needs, ensuring Solutions remain relevant and aligned with objectives.

For more information, refer to section 3.5. and 7.1.3.6.

## 7.2.2 Tools

### 7.2.2.1 Elicitation Techniques\*

Elicitation techniques, similar to those used in Section 7.1 ‘*Gather Requirements and Create Designs*’, will continue to be applied to refine and validate Requirements and Designs during this process. These techniques enable Stakeholders to provide feedback, clarify ambiguities, and ensure that the Requirements and Designs are accurate, feasible, and aligned with business objectives and Stakeholder expectations.

For more information, refer to section 7.1.2.1.

### 7.2.2.2 Modeling and Design Techniques\*

Modeling and design techniques, similar to those used in Section 7.1 ‘*Gather Requirements and Create Designs*’, will continue to be applied to refine and validate Requirements and Designs during this process. These techniques help visualize Requirements, validate functionality, identify gaps, and ensure alignment with business needs—facilitating clearer Stakeholder understanding and more accurate Solution development.

For more information, refer to section 7.1.2.2.

### 7.2.2.3 Collaboration Tools\*

Collaboration tools, similar to those used in Section 7.1 ‘*Gather Requirements and Create Designs*’, will continue to be applied to refine and validate Requirements and Designs during this process. These tools facilitate real-time feedback, version control, and Stakeholder engagement, ensuring alignment, transparency, and efficient collaboration throughout the refinement and validation process of Requirements and Designs.

For more information, refer to section 7.1.2.3.

### 7.2.2.4 Checklists

Checklists are structured tools that list specific items, tasks, or criteria to be reviewed or completed, ensuring consistency, completeness, and accuracy in a process.



Checklists are valuable tools used to refine and validate Requirements and Designs in Business Analysis. They help ensure that all necessary elements, criteria, and quality standards are addressed throughout the process. By using predefined checklists, Business Analysts can systematically review Requirements and Designs for completeness, clarity, feasibility, consistency, and alignment with business objectives.

Checklists also assist in verifying Stakeholder approvals, identifying missing information, and confirming adherence to regulatory or organizational standards. They promote consistency across projects and reduce the risk of overlooking critical factors. Ultimately, checklists enhance the thoroughness and reliability of the refinement and validation process.

### 7.2.2.5 Risk Analysis, Mitigation and Acceptance

Risk Analysis:

The objective of Risk Analysis is to identify potential risks that could affect the quality, feasibility, or success of the Requirements or design options.

Key Activities:

- Identify Risks: Examine each requirement/design for potential risks including:
  - Ambiguities or inconsistencies
  - Technical feasibility challenges
  - Integration dependencies
  - Legal, regulatory, or compliance risks
  - Stakeholder or end-user resistance

The above is not an exhaustive list, and the Business Analysis Team may identify additional risks during the course of the Business Analysis initiative.

- Assess Risks: Evaluate each risk in terms of:
  - Likelihood (Low / Medium / High)
  - Impact (Minor / Moderate / Major)
  - Use a risk matrix to prioritize.

Table 7-3 shows an Example of Probability impact grid:

Requirement/Design Element	Risk	Likelihood	Impact	Priority
User login via biometrics	Device compatibility issues	High	Major	High
Data storage in cloud	Compliance with data laws	Medium	Major	Medium

Table 7-3: Example of Probability impact grid

Risk Mitigation

- The purpose of Risk Mitigation is to reduce the probability or impact of risks through proactive strategies.
- Risk Mitigation techniques may include the following (this is not an exhaustive list, and the Business Analysis Team may develop specific mitigation strategies based on the risks identified):
  - Clarify or refine ambiguous Requirements

- Add constraints or validation rules.
- Simplify complex Designs.
- Build prototypes or proofs of concept
- Use Stakeholder walkthroughs to uncover hidden risks.
- Apply fallback or contingency Designs.
- Plan phased delivery for risky features.

Example Mitigation Plan:

- For biometric login → Create fallback with standard login credentials
- For cloud compliance → Use region-specific data centers and involve legal early

Risk Acceptance

- The purpose of Risk Acceptance is to formally acknowledge certain risks that cannot be eliminated but are acceptable within business constraints.
- Such accepted risks may, at times, lead to changes or refinements in business Requirements or Designs.
- When to Accept a Risk:
  - The cost of mitigation outweighs the potential impact.
  - The risk has low likelihood and low impact.
  - A contingency plan is in place.
  - It's a strategic risk agreed upon by Stakeholders

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Example:

Accept risk of performance degradation under peak load for MVP phase, with plan to optimize in future releases

Table 7-4 displays how Risk Analysis, Mitigation and Acceptance Refines and Validates Requirements/Designs

Benefit	How It Helps
Improves clarity	Identifies and corrects unclear or incomplete Requirements
Ensures feasibility	Catches unbuildable or costly Designs early
Reduces rework	Resolves potential issues before development
Builds Stakeholder confidence	Shows that risks are proactively managed
Supports informed trade-offs	Helps Stakeholders make decisions with full awareness of risk

**Table 7-4: Risk Analysis, Mitigation and Acceptance Refines and Validates Requirements/Designs**

Table 7-5 shows the summary of Risk Analysis, Mitigation and Acceptance:

Step	Activity	Output
1. Risk Identification	List potential risks in Requirements/Designs	Risk register

Step	Activity	Output
2. Risk Assessment	Evaluate likelihood and impact	Prioritized risks
3. Mitigation Planning	Develop strategies to reduce or eliminate risks	Mitigation actions
4. Risk Acceptance	Formally accept some risks	Accepted risks list
5. Refinement	Update Requirements/Designs based on analysis	Validated artifacts

Table 7-5: Summary of Risk Analysis, Mitigation and Acceptance

### 7.2.2.6 Review and Manage Changes

It is important to Review and Manage Changes for maintaining the integrity of Requirements and Designs as they evolve. This helps ensure that any changes are handled systematically, ensuring alignment with business objectives, Stakeholder needs, and project constraints.

The Business Analysis Team reviews Change Requests, which are formal proposals to modify existing Requirements, Designs, or scope, often generated by Stakeholders or project team members.

Some commonly used techniques to Review and Manage Changes are:

- Impact Analysis - Assess the consequences of a change on scope, timelines, resources, and costs. This technique helps determine if the change is feasible and aligns with project goals.
- Traceability Matrix - Ensures that all Requirements are traceable to design components and test cases, making it easier to assess the impact of a change on other areas.
- Version Control - Maintain different versions of documents to ensure that changes are properly tracked, and earlier versions are accessible for reference.
- Workshops - Collaborative sessions with Stakeholders to review proposed changes and refine Requirements or Designs in a group setting.
- Prototyping - Demonstrating design or Solution changes through prototypes to gather feedback and confirm changes align with user needs.
- Stakeholder Communication - Ongoing communication with Stakeholders to ensure they are informed of changes and their impact on the overall Solution.
- Root Cause Analysis - Identify the root cause of issues that lead to required changes, ensuring that fixes address the underlying problem rather than just the symptoms.
- Decision Analysis - Evaluate the risks, costs, and benefits of proposed changes, helping Stakeholders make informed decisions.

After Analyzing the Change requests, the Business Analysis Team may decide to approve or reject certain changes.

For more information, refer to section 3.5.

### 7.2.2.7 Requirements Validation Techniques

Requirements Validation Techniques in Business Analysis are essential to ensure that gathered Requirements are accurate, complete, feasible, and aligned with business objectives. Common techniques include:

#### 1. Reviews

- Involve structured examination of Requirements documents by Stakeholders and subject matter experts.
- Helps identify errors, gaps, or ambiguities.

#### 2. Walkthroughs

- Step-by-step presentation of Requirements to Stakeholders.
- Encourages feedback and promotes shared understanding.

#### 3. Inspections

- Formal peer review processes focusing on quality and compliance with standards.
- Often includes checklists and issue logs.

#### 4. Prototyping

- Visual or functional mockups help Stakeholders validate Requirements through interaction.
- Useful for refining unclear or complex Requirements.

#### 5. Test Case Generation

- Creating test cases based on Requirements helps validate their clarity, completeness, and testability.

#### 6. Simulations or Modeling

- Visual models (e.g., process flows, data models) are used to validate logical consistency and functional accuracy.

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### 7.2.2.8 Traceability Analysis

Traceability Analysis in Business Analysis plays a crucial role while refining and validating Requirements and Designs, ensuring that all elements remain aligned with business goals and Stakeholder expectations.

Traceability analysis involves tracking and linking Requirements throughout the lifecycle of a Business Analysis initiative—from initial business needs to final Solution components. It ensures every requirement is accounted for, validated, and contributes to the overall business objectives.

Purpose of Traceability Analysis during Refinement and Validation of Requirements and Designs:

- Ensure Alignment
  - Confirms that refined Requirements and Designs still align with the original business needs and goals.
- Identify Gaps or Redundancies

- Helps uncover missing, duplicate, or conflicting Requirements and Designs.
- Manage Change Impact
  - Assesses how changes to one requirement may affect others, supporting controlled and informed updates.
- Support Validation
  - Ensures each requirement is validated by linking it to business rules, Stakeholder needs, or test cases.
- Improve Communication
  - Provides a clear map of how each element is connected, facilitating better understanding among Stakeholders.

#### Key Elements Traced

- Business Needs
- High-level and Detailed Requirements
- Design Components
- Stakeholder Inputs
- Risks, Dependencies, and Assumptions
- Test Cases and Acceptance Criteria

#### Benefits

- Enhances accuracy and completeness.
- Supports quality assurance.
- Reduces rework and missed Requirements
- Strengthens Stakeholder confidence.
- Promotes transparency across the lifecycle.

### 7.2.2.9 AI-enabled Business Analysis Tool

AI-enabled Business Analysis tools, similar to those used in Section 7.1 '*Gather Requirements and Create Designs*', will continue to be applied to refine and validate Requirements and Designs during this process. AI-enabled Business Analysis tools assist in refining and validating Requirements and Designs by analyzing large datasets, identifying patterns, suggesting improvements, and detecting inconsistencies. These tools enhance decision-making, automate repetitive tasks, and provide intelligent insights, enabling Business Analysts to improve accuracy, efficiency, and alignment with business goals during the validation process.

AI-enabled Business Analysis Tool is described in Section 4.4.3.1.

## 7.2.3 Outputs

### 7.2.3.1 Refined and Validated Requirements\*

Refined and Validated Requirements are thoroughly reviewed, clarified, and confirmed to be accurate, complete, and aligned with business objectives. This ensures they are feasible, testable, and clearly understood by Stakeholders. Validation involves Stakeholder feedback, traceability checks, and quality reviews to support successful Solution development and implementation.

For more information, refer to section 7.1.3.1.

### 7.2.3.2 Refined and Validated Designs\*

Refined and validated Designs are updated and reviewed design artifacts that accurately represent Stakeholder Requirements and align with business goals. Through iterative refinement, feedback sessions, and validation techniques such as prototyping and walkthroughs, these Designs ensure clarity, feasibility, and functionality. Validation confirms that the Designs effectively support the intended Solution and are ready for implementation or further development.

For more information, refer to section 7.1.3.2.

### 7.2.3.3 Updated Traceability Matrix\*

The Traceability Matrix is updated after the 'Refine and Validate Requirements and Designs' process to reflect any changes, additions, or removals in Requirements and design elements. This ensures that all validated Requirements remain aligned with business needs and that corresponding Designs are accurately mapped. Updating the matrix helps maintain clear linkage across Requirements, Designs, test cases, and Stakeholder expectations, supporting better impact analysis, improved change management, and enhanced traceability throughout the Business Analysis lifecycle.

For more information, refer to section 7.1.3.3.

### 7.2.3.4 Updated Risks

Risks are updated after the 'Refine and Validate Requirements and Designs' process to reflect newly identified issues, changes in existing risks, or shifts in priorities. This ensures proactive risk management by capturing potential impacts on Requirements, Designs, timelines, and Stakeholder expectations, thereby supporting more informed decisions and effective Solution delivery.

For more information, refer sections 3.6. and 6.2.3.3.

### 7.2.3.5 Updated Dependencies

Dependencies are updated after the 'Refine and Validate Requirements and Designs' process to reflect any new relationships, changes, or impacts identified during refinement. As Requirements and Designs evolve, interdependencies between systems, processes, Stakeholders, and deliverables may shift. Updating dependencies ensures accurate planning, helps manage impacts on timelines and resources, and supports better coordination across teams, ultimately contributing to a more reliable and successful implementation of the business Solution.

For more information, refer sections 5.4.2.8. and 6.2.3.4.

### 7.2.3.6 Approved and Rejected Changes

Approved and rejected changes are recorded after the 'Refine and Validate Requirements and Designs' process based on Stakeholder review and analysis outcomes. Approved changes are incorporated into the Requirements and design documents, while rejected changes are documented with reasons. This ensures transparency, traceability, and alignment with business goals, helping manage scope and maintain the integrity of the Business Analysis initiative. Approved Change Requests result in:

- Updated Requirements and Designs.
- Revised and validated Requirements and Designs after incorporating approved changes.
- Updated Change Log with a record of all changes made during the project, including what was changed, why, and the impact on scope, schedule, and costs.
- Revised Business Case (if necessary) - Updates to the business case if changes affect the project's cost, schedule, or expected benefits.
- Formal approval of changes, ensuring they are documented and implemented.
- Updated Solution Scope - If applicable, the Solution scope is adjusted based on changes to Requirements or Designs.
- Risk Register may need to be updated - If new or modified risks are based on changes, and their potential impact on the project or Solution.

How the Process Helps in Refining and Validating Requirements/Designs:

- Ensures Controlled Adjustments: The process of reviewing and managing changes allows for modifications in Requirements or Designs to be made in a controlled manner.
- Prevents Scope Creep: By evaluating changes systematically, this process helps avoid unnecessary or unapproved changes that could lead to scope creep.
- Aligns with Business Objectives: Changes are aligned with business goals and objectives, ensuring that adjustments still meet the organization's strategic vision.
- Validates Requirements Continuously: Changes are constantly reviewed to ensure that the Requirements and Designs remain relevant and effective in solving business problems.
- Ensures Stakeholder Alignment: By involving Stakeholders in the review process, their concerns and feedback can be incorporated into the Solution design, ensuring better buy-in.

For more information, refer to section 3.5.

### 7.2.3.7 Stakeholder Signoffs and Approvals

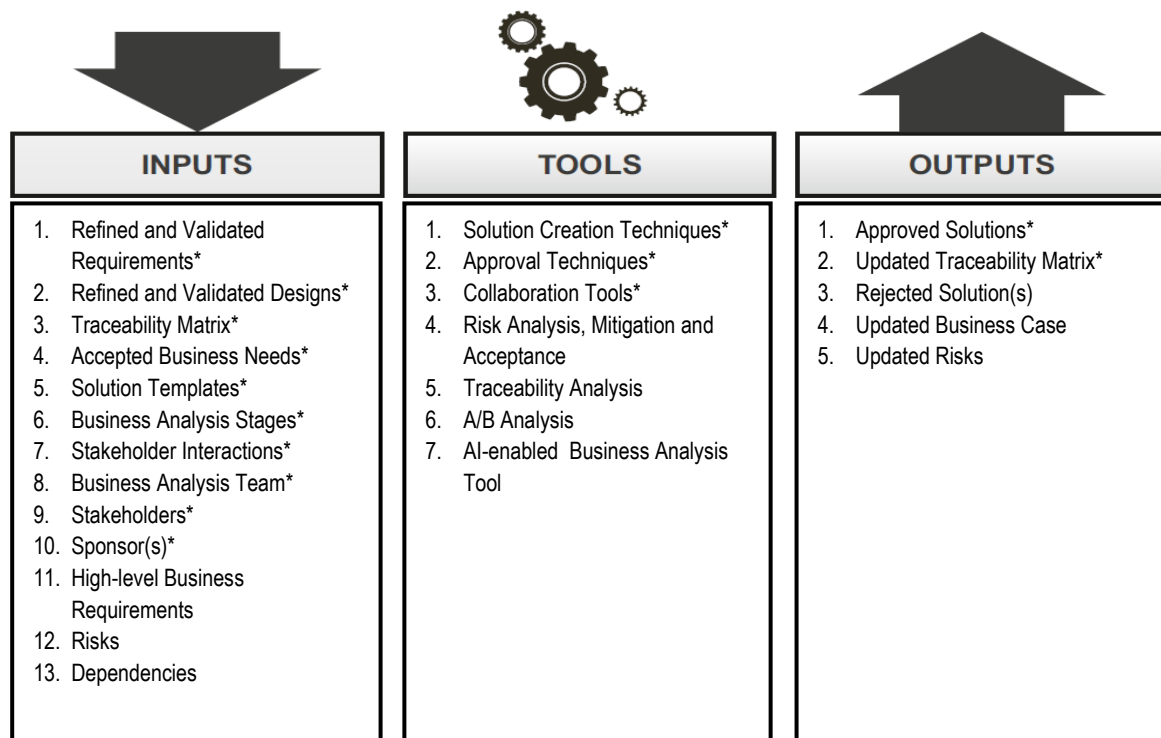
Stakeholder signoffs and approvals are a critical step following the 'Refine and Validate Requirements and Designs' process. Once the Requirements and Designs have been thoroughly reviewed, refined, and validated, formal approval may be sought from key Stakeholders, including Sponsors, business owners, and subject matter experts—as defined in Section 6.2, 'Determine Stages and Stakeholder Engagement.' This approval confirms that the documented Requirements and proposed Designs accurately reflect business needs, are feasible, and align with project objectives. Sign-offs also signify Stakeholder commitment and agreement to proceed to the next phase of the initiative. Documenting these approvals ensures accountability, reduces the risk of future disputes, and establishes a clear baseline for Solution development.

## 7.3 Create Solutions and Obtain Approval

After the Business Analysis Team completes *Refine and Validate Requirements and Designs* process, it proceeds to Create Solutions and obtain Approval for the Solutions from customers, users, or relevant Stakeholders, who need to provide sign-off and formally accept the Solutions.

These Approved Solutions align with Accepted Business Needs, Requirements, and Designs, follow the format prescribed in the Solution Templates, and have received formal approval for implementation. The Approved Solutions typically include detailed documentation, a Traceability Matrix, risk mitigation plans, and a roadmap for deployment, ensuring successful execution and delivery.

Figure 7-6 shows all the inputs, tools, and outputs for *Create Solutions and Obtain Approval* process.



**Figure 7-6: Create Solutions and Obtain Approval—Inputs, Tools, and Outputs**

*Note:* Asterisks (\*) denote a "mandatory" input, tool, or output for the corresponding process.



## 7.3.1 Inputs

### 7.3.1.1 Refined and Validated Requirements\*

Refined and Validated Requirements provide clear, accurate guidance for Solution design, ensuring alignment with business goals. They enable effective Solution creation, risk assessment, and Stakeholder communication to obtain approval.

For more information, refer to section 7.2.3.1.

### 7.3.1.2 Refined and Validated Designs\*

Refined and validated Designs ensure that proposed Solutions meet business needs and Stakeholder expectations, providing a solid foundation for Solution creation, approval, and risk management.

For more information, refer to section 7.2.3.2.

### 7.3.1.3 Traceability Matrix\*

The Traceability Matrix ensures all Requirements are linked to Solution components, facilitating design alignment, validating completeness, and supporting approval by demonstrating that all Accepted Business Needs are addressed.

For more information, refer to section 7.1.3.3.

### 7.3.1.4 Accepted Business Needs\*

Accepted Business Needs guide Solution design, ensuring alignment with organizational goals and Stakeholder expectations, facilitating approval and successful implementation.

For more information, refer to section 5.3.3.1.

### 7.3.1.5 Solution Templates\*

Solution Templates provide standardized structures for designing Solutions, ensuring consistency, efficiency, and alignment with business needs, while facilitating approval by streamlining the review and validation process. As Solutions are created and approved, Stakeholders and customers can compare the Solutions against the Solution Templates to ensure proper alignment and consistency.

For more information, refer to section 6.1.3.1.

### 7.3.1.6 Business Analysis Stages\*

Business Analysis stages provide structured insights and documented Requirements, guiding Solution design, ensuring alignment with business goals, and supporting approval.

For more information, refer to section 6.2.3.1.

### 7.3.1.7 Stakeholder Interactions\*

Stakeholder interactions provide valuable insights, feedback, and validation, ensuring the Solution design aligns with expectations and facilitating approval for implementation.

For more information, refer to section 6.2.3.2.

### 7.3.1.8 Business Analysis Team\*

The Business Analysis Team provides expertise, collaborates on Solution design, ensures alignment with Requirements, and supports approval through comprehensive analysis and Stakeholder communication.

For more information, refer to section 5.4.3.1.

### 7.3.1.9 Stakeholders\*

Stakeholders provide critical Requirements, feedback, and validation, ensuring the Solution meets their needs, aligns with business goals, and supports approval.

For more information, refer to sections 3.2.3. and 5.4.3.2.

### 7.3.1.10 Sponsor(s)

Sponsors provide strategic direction, ensure alignment with business goals, allocate resources, and authorize changes, playing a crucial role in approving Solutions and guiding the approval process.

For more information, refer to section 3.2.2.

### 7.3.1.11 High-level Business Requirements

High-level Business Requirements outline key objectives and goals, providing a foundation for designing Solutions that align with strategic priorities, ensuring approval by meeting organizational needs and expectations.

For more information, refer to sections 5.1.3.2 and 5.2.3.2.

### 7.3.1.12 Risks

Identified risks highlight potential challenges, guiding the creation of Solutions that mitigate issues. They ensure approval by addressing concerns and demonstrating the Solution's ability to manage uncertainties.

For more information, refer to sections 3.6., 6.2.3.3, and 7.1.3.4.

### 7.3.1.13 Dependencies

Dependencies provide crucial context for Solution design, ensuring alignment with other systems or projects, and helping secure approval by addressing potential conflicts or constraints.

For more information, refer to sections 5.4.2.8., 5.4.3.4., 6.2.3.4, and 7.1.3.5.

## 7.3.2 Tools

### 7.3.2.1 Solution Creation Techniques\*

In Business Analysis, various Solution creation techniques are used to design Solutions that meet business needs and objectives. These techniques help to structure, evaluate, and refine potential Solutions to help ensure that the Solution is well-designed, meets business objectives, and aligns with Stakeholder needs. The chosen techniques will depend on the type of Solution, the complexity of the Requirements, and the context of the project.

Below are some of the key Solution creation techniques:

#### 1. Brainstorming

- Purpose: Generate a wide range of ideas and Solutions from diverse Stakeholders or team members.
- How It Helps: Encourages creativity and brings together different perspectives, which can lead to innovative Solutions.

#### 2. Prototyping

- Purpose: Create early, low-fidelity versions of the Solution (e.g., wireframes, mockups) to test concepts and gather feedback.
- How It Helps: Allows Stakeholders to visualize Solutions, provide early feedback, and ensure the design meets their needs.

#### 3. Benchmarking

- Purpose: Compare existing Solutions or processes to industry standards or best practices.
- How It Helps: Provides insights into what works well and identifies gaps or areas for improvement by using proven Solutions.

#### 4. Use Cases / User Stories

Purpose: Define specific interactions between users and the Solution to clarify user Requirements and Solution functionality.

How It Helps: Ensures that the Solution is user-centric, focusing on actual needs and scenarios that Stakeholders face.

#### 5. SWOT Analysis

- Purpose: Assess the strengths, weaknesses, opportunities, and threats of different Solution options.
- How It Helps: Helps Stakeholders evaluate the pros and cons of each Solution, ensuring that the best option is selected.

#### 6. Process Modeling

- Purpose: Create visual representations of business processes (e.g., Business Process Model and Notation - BPMN).

- How It Helps: Identifies inefficiencies and areas for improvement, aligning the Solution with optimized business processes.

## 7. Mind Mapping

- Purpose: Visualize the relationships between different Requirements, ideas, and components of the Solution.
- How It Helps: Helps in organizing thoughts and identifying potential areas of innovation or improvement by mapping out complex ideas.

## 8. Decision Analysis

- Purpose: Evaluate decision-making criteria and select the best Solution based on data-driven analysis (e.g., decision matrices, weighted scoring).
- How It Helps: Provides a structured, objective way to choose the optimal Solution by considering all relevant factors.

## 9. Gap Analysis

- Purpose: Identify the gap between the current state and the desired future state.
- How It Helps: Ensures that Solutions are designed to address the right problems, focusing on bridging gaps between the present and desired outcomes.

## 10. Business Rules Analysis

- Purpose: Identify, analyze, and document business rules that may influence the Solution design.
- How It Helps: Ensures the Solution complies with necessary business regulations and Requirements.

## 11. Risk Analysis and Management

- Purpose: Identify potential risks that could impact the Solution and design ways to mitigate them.
- How It Helps: Helps to create a resilient Solution by accounting for uncertainties and ensuring the Solution can handle unforeseen issues.

## 12. Root Cause Analysis

- Purpose: Investigate underlying problems or inefficiencies to develop targeted Solutions.
- How It Helps: Helps create Solutions that address the root causes of business issues, not just the symptoms.

## 13. Feasibility Studies

- Purpose: Assess the feasibility of a Solution in terms of technical, financial, and operational viability.
- How It Helps: Ensures the Solution is practical and can be successfully implemented within existing constraints.

#### 14. Wireframing

- Purpose: Create basic, low-fidelity sketches of user interfaces or Designs.
- How It Helps: Provides a simple, visual way to communicate the layout and functionality of a Solution, especially for software development.

In addition to the techniques mentioned earlier, the Business Analysis Team can also use the following to create Solutions:

- Elicitation techniques, as described in Section 7.1.2.1.
- Modeling and design techniques, as described in Section 7.1.2.2

### 7.3.2.2 Approval Techniques\*

In Business Analysis, approval techniques are crucial for obtaining formal endorsement from relevant Stakeholders for the business Solutions created. These techniques ensure that the proposed Solution aligns with Stakeholders' expectations, is feasible, and meets business objectives.

Below are some approval techniques used to gain Stakeholder approval:

#### 1. Stakeholder Reviews

- Purpose: Organize formal review sessions with Stakeholders to evaluate and discuss the proposed Solution.
- How It Helps: Enables Stakeholders to provide feedback, clarify concerns, and confirm the Solution meets their needs.
- When to Use: During Solution presentation or when key milestones are met.

#### 2. Workshops

- Purpose: Conduct collaborative facilitated sessions with Stakeholders to review and approve the proposed Solution.
- How It Helps: Encourages Stakeholder involvement and alignment by engaging them in active discussions and decision-making.
- When to Use: Early in the Solution design process or before finalizing the Solution for approval.

#### 3. Walkthroughs

- Purpose: Provide a detailed, step-by-step review of the Solution with Stakeholders.
- How It Helps: Helps Stakeholders understand the Solution's components and provides a platform to raise concerns or suggestions.
- When to Use: When the Solution is near completion or when detailed feedback is required.

#### 4. Prototyping / Demos

- Purpose: Present an early model or demonstration of the Solution for Stakeholders to interact with.
- How It Helps: Offers a tangible view of the Solution, allowing Stakeholders to test it and give feedback before full implementation.
- When to Use: During the Solution development phase to confirm alignment and ensure it meets user Requirements.

## 5. Decision Analysis

- Purpose: Use structured decision-making techniques (e.g., decision matrices, Cost-Benefit Analysis) to evaluate the proposed Solution.
- How It Helps: Provides a data-driven approach for Stakeholders to make informed approval decisions.
- When to Use: When multiple Solution options need to be evaluated or when justifying the selected Solution.

## 6. Formal Sign-off

- Purpose: Obtain written approval or formal sign-off from Stakeholders, indicating that they agree with the Solution and its implementation.
- How It Helps: Establishes clear, documented confirmation of Stakeholder agreement on the Solution.
- When to Use: Once the Solution has been finalized and is ready for approval.

## 7. Cost-Benefit Analysis

- Purpose: Present the financial justification for the Solution by comparing the expected costs to the anticipated benefits.
- How It Helps: Helps Stakeholders evaluate whether the proposed Solution is worth the investment and aligns with the business case.
- When to Use: When seeking approval for Solutions requiring significant investment or resource allocation.

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## 8. Stakeholder Alignment and Consensus

- Purpose: Engage in discussions with key Stakeholders to ensure alignment and reach consensus on the Solution.
- How It Helps: Ensures all Stakeholders have a shared understanding of the Solution and agree before formal approval.
- When to Use: Before finalizing the Solution and moving toward the approval phase.

## 9. Risk Assessment

- Purpose: Present a risk assessment outlining potential risks of the Solution and proposed mitigation strategies.
- How It Helps: Demonstrates proactive management of potential challenges, reassuring Stakeholders about the Solution's feasibility.
- When to Use: When presenting the Solution to Stakeholders, especially for high-risk or complex Solutions.

## 10. Requirements Traceability

- Purpose: Demonstrate how each requirement is addressed by the Solution, ensuring no Requirements have been overlooked.
- How It Helps: Provides confidence that all Stakeholder needs and business Requirements have been met, supporting the approval process.
- When to Use: Before final approval to ensure that the Solution meets all documented Requirements.

Why These Techniques Are Important:

- **Clarity and Transparency:** These techniques ensure that Stakeholders have a clear understanding of the Solution.
- **Stakeholder Involvement:** They provide opportunities for Stakeholders to express their concerns, provide feedback, and contribute to the final Solution.
- **Risk Management:** Helps Stakeholders see that potential risks are identified and addressed, which increases confidence in the Solution.
- **Alignment with Business Goals:** Ensures that the Solution aligns with business objectives, reducing the chance of misalignment and rework.

### 7.3.2.3 Collaboration Tools\*

Collaboration tools, similar to those used in Section 7.1 '*Gather Requirements and Create Designs*', will continue to be applied to create Solutions and obtain approvals during this process. These tools help track progress, manage approvals, and ensure Stakeholders' concerns are addressed, facilitating a smooth approval process for business Solutions.

For more information, refer section 7.1.2.3.

### 7.3.2.4 Risk Analysis, Mitigation and Acceptance

Risk analysis, mitigation, and acceptance involve identifying potential risks in the proposed business Solutions, assessing their impact, and creating strategies to mitigate or manage them. By addressing Stakeholders' concerns, demonstrating proactive risk management, and obtaining their acceptance of residual risks, this process builds confidence and facilitates approval for the Solution.

For more information, refer sections 3.6. and 7.2.2.5.

### 7.3.2.5 Traceability Analysis

Traceability Analysis links business needs, Requirements, and Designs to Solution components, ensuring all elements are addressed. By demonstrating alignment with accepted business goals and Designs, it provides Stakeholders with clarity and confidence, facilitating their approval of the proposed business Solution.

For more information, refer to section 7.2.2.8.

### 7.3.2.6 A/B Analysis

A/B Analysis (also known as split testing) is a technique used to compare two or more variations of a Solution to determine which one performs better or is more effective in meeting business objectives. It is commonly used to evaluate different Solutions created during Business Analysis by comparing their outcomes based on predefined success criteria. A/B Analysis is an effective tool for Business Analysts to test different Solutions, ensuring that the final choice best meets the business needs and objectives.

How A/B Analysis Helps in Evaluating Different Solutions:

- **Comparison of Alternatives:** A/B Analysis allows you to test multiple Solutions (Solution A vs. Solution B) side by side, ensuring an objective evaluation of their effectiveness.

- **Real-World Testing:** It enables testing Solutions in real or simulated environments with actual users or Stakeholders, providing valuable data on which Solution best meets business needs.
- **Data-Driven Decision-Making:** A/B testing provides quantitative results based on key metrics such as performance, user satisfaction, cost efficiency, or ROI, helping to make informed decisions about the best Solution.
- **Risk Reduction:** By testing Solutions before full implementation, A/B Analysis helps identify potential issues early, reducing the risk of committing to an ineffective or costly Solution.
- **Validation of Business Goals:** A/B Analysis validates that the Solutions meet business goals and Stakeholder expectations by comparing their ability to fulfill the required outcomes.

Process for A/B Analysis in Business Analysis:

- **Define Success Criteria:**  
Identify the key performance indicators (KPIs) or success metrics to compare (e.g., customer satisfaction, cost savings, process efficiency, etc.).
- **Develop Solution Variations:**  
Create different Solution variations or design alternatives that will be tested (e.g., Solution A, Solution B, and so on).
- **Run the Test:**  
Implement the different Solutions in parallel, either with real users or within the same operational environment, to assess their impact on the business goals.
- **Measure Performance:**  
Collect and analyze data based on the defined KPIs to evaluate the performance of each Solution.
- **Analyze Results:**  
Compare the results from each Solution to determine which one is most effective at meeting the business needs and Requirements.
- **Make Decisions:**  
Based on the results, choose the best-performing Solution and seek Stakeholder approval for final implementation.

Example: Roles and Responsibilities Policy for a small software company using Adaptive Approach

Example of A/B Analysis:

Suppose the Business Analysis Team is evaluating two different software Solutions for managing customer relationships. Solution A may have an intuitive user interface but high licensing costs, while Solution B offers lower costs but a steeper learning curve.

- **Success Criteria:**  
User adoption rate, time to onboard new users, customer satisfaction, cost savings, and operational efficiency.
- **A/B Analysis Process:**  
Test both Solutions with a group of users over a month.
- **Measure user adoption, onboarding time, and feedback.**  
Collect cost and performance data to determine which Solution provides better ROI.



Benefits of A/B Analysis in Business Analysis:

- **Objective Evaluation:** Provides an unbiased, data-driven approach to compare Solutions.
- **Improved Decision-Making:** Reduces uncertainty by testing Solutions in real-world conditions before full-scale implementation.
- **Stakeholder Confidence:** Demonstrates due diligence and increases Stakeholder confidence in the chosen Solution.
- **Cost Efficiency:** Helps identify the most cost-effective Solution without committing to expensive or resource-intensive alternatives.

### 7.3.2.7 AI-enabled Business Analysis Tool

AI-enabled Business Analysis tools assist in creating Solutions by automating data analysis, simulating scenarios, predicting outcomes, and validating Requirements. They streamline decision-making, enhance collaboration, and provide real-time insights, ensuring Solutions align with business needs and facilitating efficient approval from Stakeholders.

AI-enabled Business Analysis Tool is described in Section 4.4.3.1.

## 7.3.3 Outputs

### 7.3.3.1 Approved Solutions\*

Approved Solutions are the final output of a Business Analysis initiative. They represent solutions that have been thoroughly evaluated, refined, and validated through collaboration with Stakeholders. These Solutions align with Accepted Business Needs, Requirements, and Designs, follow the format prescribed in the Solution Templates, and have received formal approval for implementation.

Approved Solutions typically include detailed documentation, risk mitigation plans, and a deployment roadmap, ensuring successful execution and delivery.

### 7.3.3.2 Updated Traceability Matrix\*

The Updated Traceability Matrix, as an output of the "Create Solutions and Obtain Approval" process, links the Accepted Business Needs to Requirements and Designs. It ensures that each Approved Business Need is mapped to specific Requirements and Design elements. By maintaining this traceability, the matrix helps verify that the proposed Solution aligns with the original business goals and High-level Requirements, supporting the creation of the Approved Solutions for the Business Analysis initiative. It also aids in obtaining Stakeholder approval by providing clear documentation of how each Approved Business Need has been addressed.

For more information, refer section 7.1.3.3.

### 7.3.3.3 Rejected Solution(s)

Rejected Solution(s) after the Business Analysis process refer to the alternatives that were evaluated but did not meet the necessary business Requirements, objectives, or performance criteria. These Solutions were considered during the evaluation phase but were ultimately excluded from final consideration due to one or more reasons, such as:

- **Misalignment with Business Needs:** The Solution did not effectively address the Accepted Business Needs or Stakeholder expectations.
- **Unfavorable Cost-Benefit Analysis:** The Solution was too costly relative to the benefits it offered, making it an impractical choice.
- **Implementation Challenges:** The Solution presented technical, resource, or time constraints that would make it difficult to implement successfully.
- **Risk Factors:** The identified risks associated with the Solution were deemed too high, or risk mitigation strategies were insufficient.
- **Stakeholder Concerns:** Feedback from Stakeholders indicated that the Solution was not viable or did not have their support.
- **Performance or Scalability Issues:** The Solution failed to meet performance standards, scalability Requirements, or could not handle future business growth.
- **Regulatory or Compliance Issues:** The Solution did not comply with legal, regulatory, or organizational standards, disqualifying it from further consideration.

**Documentation of Rejected Solutions:** During the Business Analysis process, rejected Solutions should still be documented for transparency, including:

- The reasons for rejection.
- Lessons learned from evaluating the Solution.
- Insights that may inform future Solution creation or selection.

This ensures that Stakeholders are informed and can make more informed decisions in future initiatives or iterations of Business Analysis.

### 7.3.3.4 Updated Business Case

The Updated Business Case after the "Create Solutions and Obtain Approval" process reflects the final Solution(s) selected and approved for implementation. It includes new or revised information based on the outcomes of the Solution creation, evaluation, and approval processes, ensuring it aligns with the most current business needs, Requirements, and objectives. The Updated Business Case serves as the formal, final approval document that confirms the viability and alignment of the Solution, allowing the organization to proceed confidently with the implementation phase.

**Key Elements of an Updated Business Case:**

- **Solution Overview:** A clear description of the Approved Solution(s) that will address the business needs, including any refinements or modifications made during the Solution development and approval process.
- **Cost-Benefit Analysis:** An updated analysis showing the final cost of implementing the Solution, including any changes to the budget, resources, or timeline. It also outlines the expected benefits, ROI, and how the Solution meets the business objectives.
- **Risk Management:** A review of the risks associated with the selected Solution(s), including updated risk mitigation plans and any new risks identified during the evaluation and approval process.
- **Stakeholder Impact:** A summary of how the Solution aligns with Stakeholder expectations and Requirements, including any feedback incorporated into the final Solution.
- **Implementation Plan:** An updated roadmap or timeline for deploying the Solution, detailing the phases of implementation, key milestones, resource allocation, and expected outcomes.

- **KPIs and Success Criteria:** Clear performance metrics and success criteria, updated to reflect the Approved Solutions' impact and the business goals it aims to achieve.
- **Dependencies and Constraints:** Any new or revised dependencies, constraints, or assumptions that affect the Solution's implementation, as well as any critical paths that need to be considered.
- **Financial and Resource Considerations:** Updated financial projections, including the final budget, expected costs, and available resources. It may also include a cost comparison between the rejected Solutions and the chosen Solution.
- **Regulatory or Compliance Updates:** Any necessary adjustments or assurances regarding compliance, legal, or regulatory factors that have been considered and addressed in the Approved Solutions.

Purpose of an Updated Business Case:

- **Alignment with Business Needs:** Ensures that the Solution remains aligned with the business goals and objectives.
- **Stakeholder Confidence:** Reinforces Stakeholders' trust in the proposed Solution, showing that it has been thoroughly evaluated and vetted.
- **Informed Decision-Making:** Provides the final documentation needed for decision-makers to approve the implementation and move forward with the Solution.
- **Risk Transparency:** Ensures that all potential risks are clearly identified and mitigated, providing clarity on how risks will be handled during execution.

### 7.3.3.5 Updated Risks

Updated risks after the "Create Solutions and Obtain Approval" process refer to any new, revised, or mitigated risks identified during the evaluation, development, and approval of business Solutions. As the Solution is refined, these risks are closely monitored to ensure that potential issues are addressed before implementation. The updated risks reflect both the current status, and any adjustments made in response to the evaluation process, feedback from Stakeholders, and the final Solution design.

For more information, refer sections 3.6. and 6.2.3.3.

## **Business Analysis Reference Guide (BARG™)**

### **A Comprehensive Guide to Implementing Business Analysis, with Practical Examples**

The *Business Analysis Reference Guide (BARG™)* presents a structured and practical framework for the application of Business Analysis across industries, organizations, and project types. Developed to support both experienced practitioners and individuals new to the discipline, this guide offers a clear, methodical approach to identifying business needs, analyzing problems and opportunities, and defining effective solutions.

BARG™ emphasizes the critical role of Business Analysts as facilitators of alignment between stakeholders and implementation teams, enabling the delivery of value-driven outcomes that support organizational objectives. Drawing on the collective insights of professionals involved in thousands of initiatives globally, the guide standardizes Business Analysis practices to enhance consistency, effectiveness, and return on investment.

Designed with accessibility in mind, the guide follows the Pareto principle—enabling readers to grasp the majority of essential concepts through a concise portion of the content. Additional material is available for in-depth reference when addressing complex or specialized challenges.

This publication is supported by [BALearning.com](https://www.balearning.com), where readers may access free certifications, webinars, instructional videos, and study resources. Furthermore, BARG™ addresses the evolving landscape of the profession by incorporating the use of modern tools and artificial intelligence to solve practical business problems.

The guide also illustrates how Business Analysis can be effectively integrated with established methodologies and frameworks such as Scrum, Waterfall, Kanban, DevOps, and OKRs, offering a versatile reference for cross-functional teams and multidisciplinary environments.

*Business Analysis Reference Guide (BARG™)* stands as a definitive resource for those seeking to develop a strong foundation in Business Analysis or to refine their existing practice through proven methodologies and globally accepted best practices.

