



BUSINESS ANALYSIS

- Core Concepts

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ROLE OF BUSINESS ANALYST

- Works in liaison with stakeholders
- To Elicit, Analyze, Communicate and Validate requirements for the new business process or bringing changes to the existing business processes, policies and information systems
- To understand business problems and opportunities in the context of the requirements and recommends solutions that will enable the organization to achieve its goals

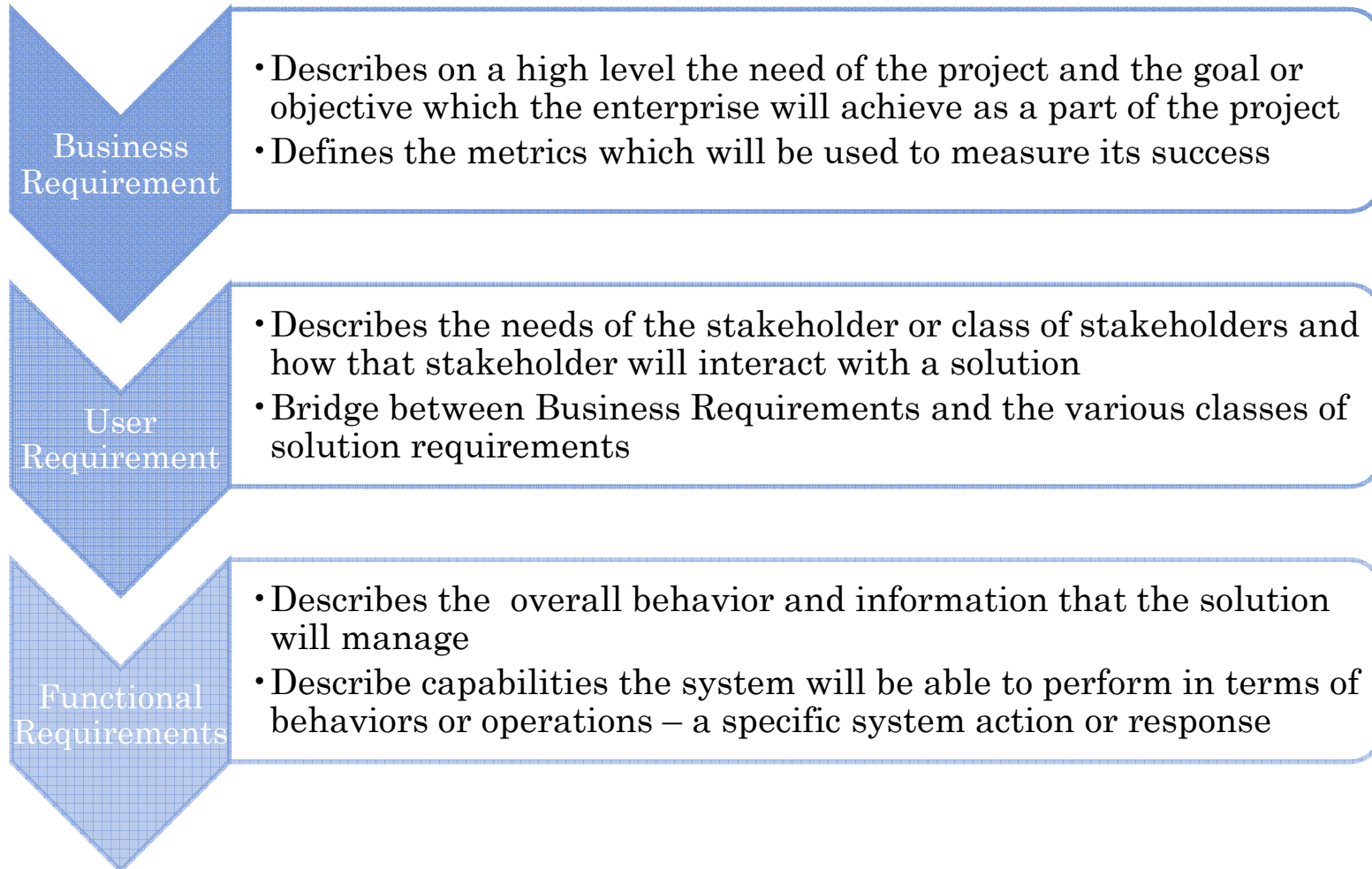


DEFINITION OF REQUIREMENT

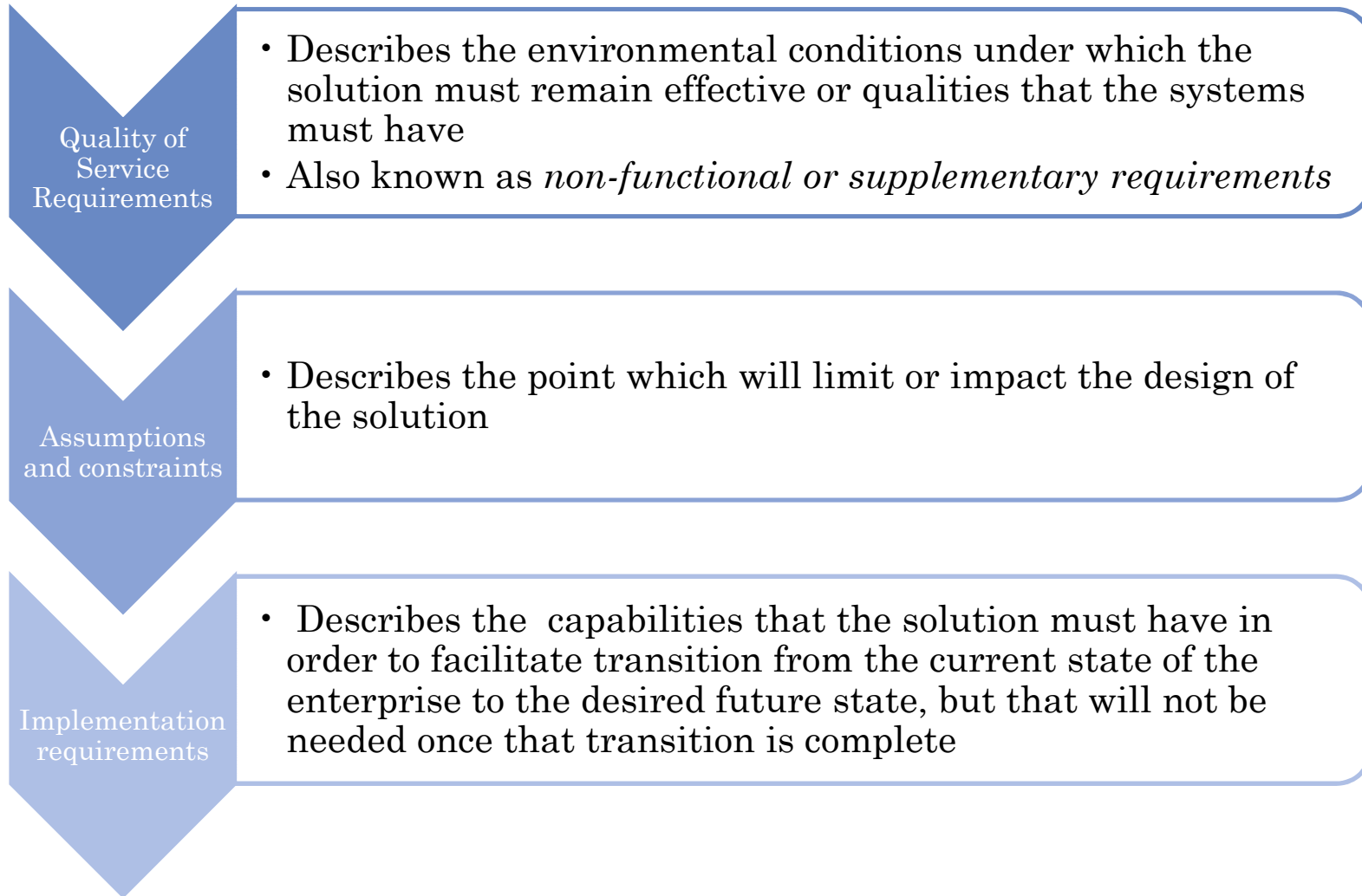
- The condition or capability needed by a stakeholder to solve a problem or achieve an objective.
- The condition or capability that must be met or possessed by a system or system component to satisfy a contract, standard, specification, or other formally imposed documents.
- A documented representation of a condition or capability as mentioned in the above points.



TYPES OF REQUIREMENT



TYPES OF REQUIREMENT – CONTD.



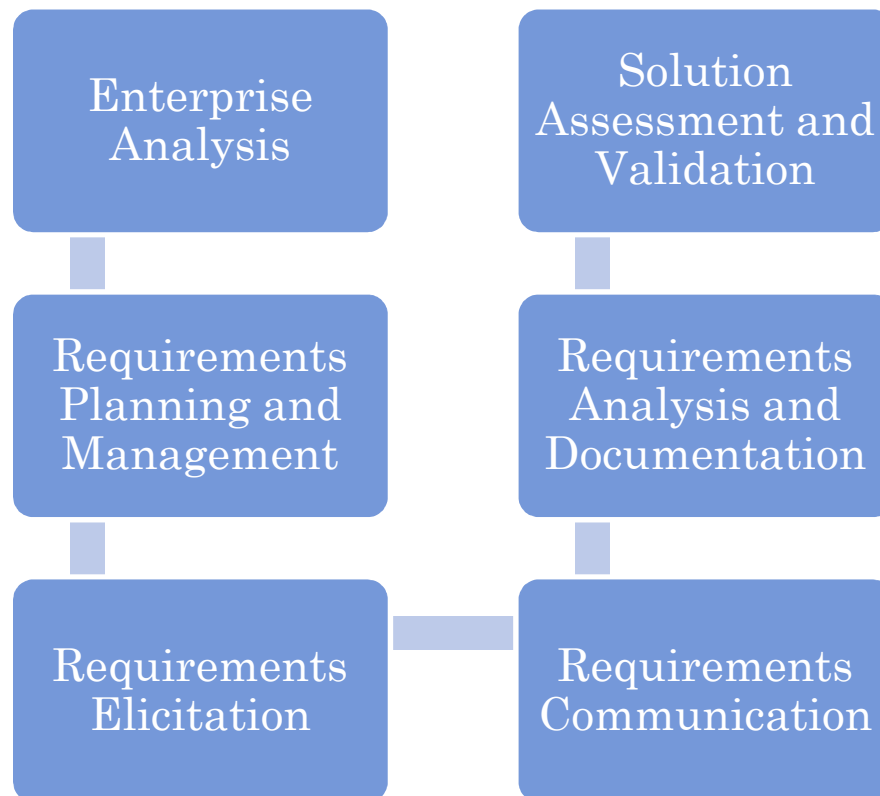
EFFICIENT REQUIREMENTS PRACTICES

- Have clear understanding of the needs of users, customers and stakeholders
- To establish collaborative relationship between the users, customers and stakeholders and the technical team
- Strong commitment of the requirements development team members to project objectives
- Use of a standard requirement processes and customize it to the needs
- Define the system architecture which will support current and planned needs of the users, customers and stakeholders
- The defined architecture to be flexible in order to have the ability to accommodate changes in requirements as they are progressively elaborated
- Use of high quality systems and products
- Need to follow basic rules such as system development with cost savings, accurate schedules, customer satisfaction

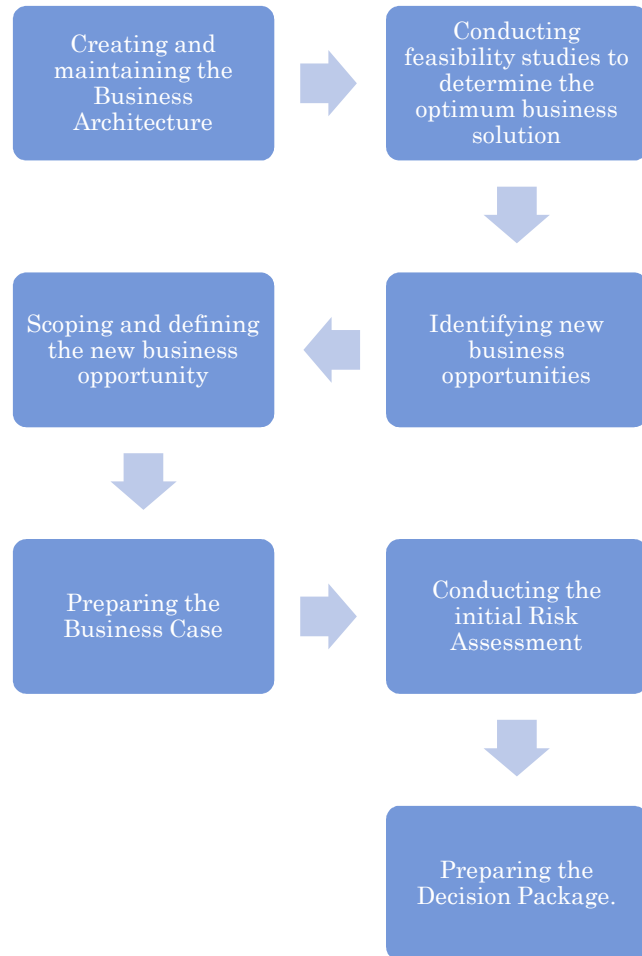


BASIC PROCESSES OF BUSINESS ANALYSIS

The basic processes which need to be followed as part of business analysis are depicted in the below flow diagram.



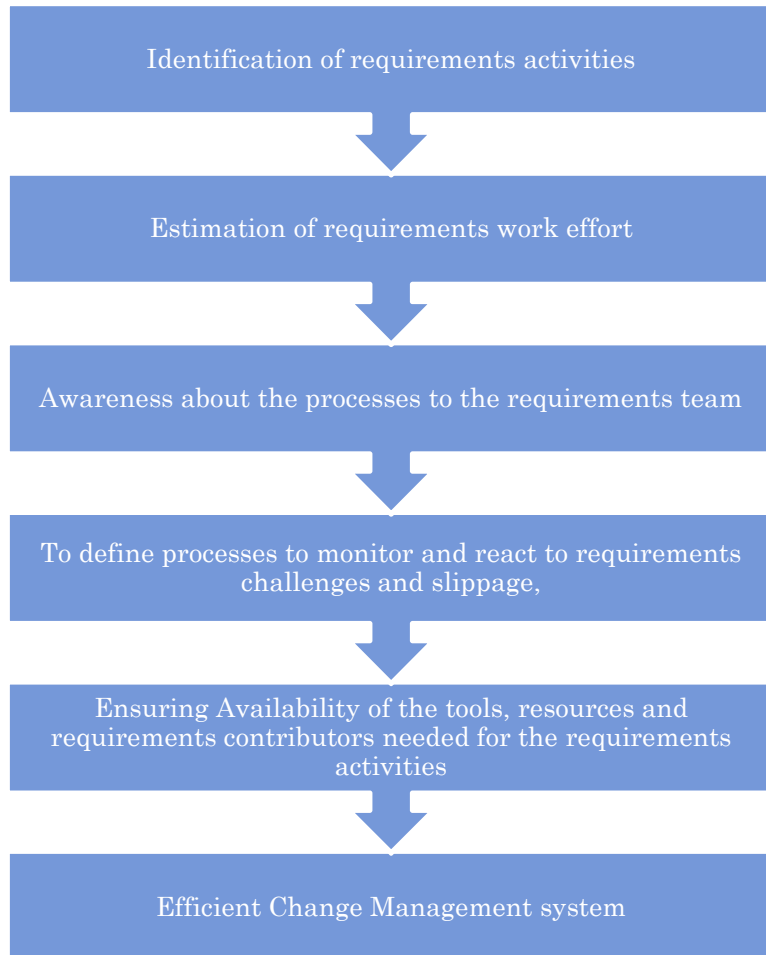
ENTERPRISE ANALYSIS



- To understand the holistic picture i.e. how the project, and the processes in it, will support the entire enterprise
- Is a collection of pre-project or early project activities and approaches for
 - capturing the necessary view of the business to provide context to requirements
 - functional design work for a given initiative and/or for long term planning



REQUIREMENTS PLANNING AND MANAGEMENT



- Defines the
 - resources and tasks associated with the planning and management of requirements gathering activities
 - requirements activities that will be performed and how those activities will be performed on a project, in accordance with any existing standards in the organization
- It also includes identifying key roles, managing the requirements scope and ongoing communication of the requirements gathering status



REQUIREMENTS ELICITATION

- The objective of this is to have the requirements that are complete, clear, correct, and consistent
- Standard techniques for collecting the requirements of the system, are identified based on its key features, strengths and weakness
- Identifies the changes required in the standard techniques to suit the enterprise



REQUIREMENTS ANALYSIS AND DOCUMENTATION

- Stakeholder needs are analyzed, structured and specified for use in the design and implementation of a solution
- Define and describe the characteristics of an acceptable solution to a business problem
- Defines the methods, tools and techniques used to structure the raw data collected during Requirements Elicitation, identify gaps in the information and define the capabilities of the solution, which must be documented
- Deliverables from this process will be used by the project team to develop estimates for the time, resources, and budget required to implement a solution or solutions that will fulfill the requirements
- Provide inputs to the project team in forms such as documents etc. so that they have a clear understanding of how to design and implement the requirements



REQUIREMENTS COMMUNICATION

- The basic objective is to clearly present the requirements in a format and structure that is appropriate for its intended audience
- It is an ongoing, iterative activity that is done in parallel with Requirements Gathering and Requirements Analysis and Documentation
- Is a collection of activities and considerations for expressing the output of the requirements analysis and documentation to a broad and diverse audience
- Includes presenting, communicating, verifying, and gaining approval of the requirements from the stakeholders and implementers of the project



SOLUTION ASSESSMENT AND VALIDATION

- The basic objective is to ensure that the solution developed meets the defined needs and should lead to the project success after implementation
- Ensures that the solution meets the stakeholder objectives, is thoroughly tested, and is implemented smoothly
- Requires business analysts to assist
 - the technology team with detailed design work including splitting a large project into phases, reviewing technical design deliverables, and helping to build usability into the application software
 - the Quality Assurance team with their activities
 - the business stakeholders with user acceptance testing, defect reporting and resolution



FINAL PICTURE

