

Provali Requirements Definition Process



Proprietary Information

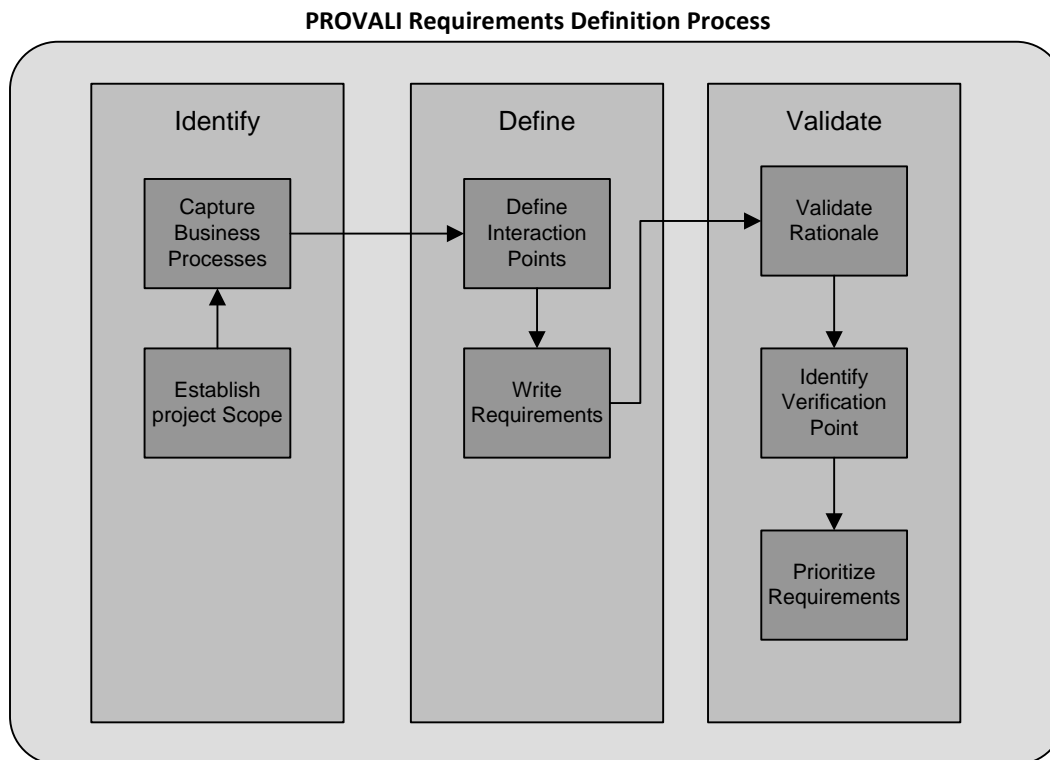
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PROVALI Requirements Definition Process

Developing and implementing a requirements process enables an organization to complete development projects more efficiently. PROVALI uses a three-phased methodology to identify, define, and validate requirements. By developing and executing our methodology, organizations are able to achieve the goals of their projects more efficiently.



The first phase in our requirements process identifies business process interaction and the overall scope of the project. The first phase consists of two steps:

- ***Establish Project Scope:*** Establishing a project scope is important to setting an appropriate level of detail that is needed. Establishing the project scope should start at a high level and proceed through one or two descending levels of business process details.
- ***Capture Business Processes:*** Capturing the business processes involves documenting and analyzing the functions and business processes that the requirements will satisfy. While examining the business processes, care should be taken not to attempt business process improvements, as it will distract from the importance of establishing proper requirements.

The second phase is the requirements definition phase. To define the requirements all processes that have been identified must be analyzed for critical points to document. The steps in defining requirements are:

- *Define Interaction Points:* Defining the interaction points involves analyzing the business processes and assessing their components, critical pieces, and groups interacted with. The interaction points will generate the requirements to document.
- *Write Requirements:* Writing the requirements captures the process, components, and thresholds of each identified critical point in a consistent format.

The third phase validates the detail and rationale of each requirement. By properly validating requirements, the amount of wasted effort spent on development is reduced. The steps to validating the requirements are:

- *Examine Rationale:* Identifying the rationale of the requirement captures the thought and reason for the requirement. If a requirement fails to meet significant rationale within the scope it is discarded.
- *Identify Verification Point:* Identifying the verification point for the requirement determines the method and artifact that will be validated prior to the completion of the project. The verification points for all requirements will be analyzed prior to completion to assess the success of the project.
- *Prioritize Requirements:* After requirements have been gathered, they should be assigned a preliminary importance or criticality. Establishing proper prioritization will ensure that important requirements are addressed first and within the scope of the project.