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| **What we have done as of Today** | **ACDM Stages** |
|  | Stage 1: Discover Architectural Drivers – Main objective is to capture raw architecture drivers, quantitatively, not qualitatively |
| We have defined roles, but not yet finalized them.  Our roles:  Team Lead (maps to Requirements Engineer)  Project Manager (maps to Managing Engineer)  Development Manager (maps to Support Engineer and Software Engineer)  QA Manager ( Quality Process Engineer)  Chief Architect (maps to Chief architect)  TODO: Finalize roles and responsibilities according to ACDM definitions and our requirements. [Not yet planned] | Input Criteria:   * Defined project roles with responsibilities. |
| 1. We have started capturing business goals.  TODO: Document with proper format and review of for missing information. [Planned for iteration 3 with SOW]  2. We have started capturing operational requirements.  TODO: Document with proper format and review of for missing information.  [Planned for iteration 3]  3. We have started capturing technical constraints  TODO: Document with proper format and review of for missing information.  [Not yet planned]  4. We have started capturing quality attributes.  TODO: Document with proper format, prioritize and review of for missing information.  [Started in iteration 1 & 2, but not yet completed. Probably we should complete this in iteration 4 with Architecture Workshop]  5. We have a macro and micro plan in place.  TODO: What are the things we should do to make it a design plan? | Activities:   1. Capture business goals 2. Capture operational requirements 3. Capture technical constraints 4. Capture quality attributes 5. Create design plan   Steps  Step 1 – Client business context presentation  Step 2 – Distillation  Step 3 – Define quality attributes  Step 4 – Prioritize attribute scenarios |
|  | Outputs:   * Key architectural drivers captured (quantitatively) * Prioritize attribute characterization * Design plan |
|  | Stage 2: Discover Architectural Drivers – Main objective is to establish the scope, context and size of the development effort through analyzing raw architecture drivers |
|  | Inputs:   * Key architectural drivers captured (quantitatively) * Prioritize attribute characterization * Design plan |
|  | Activities: (Analyze the consolidated raw architectural drivers)   * Plan stage 2 activities and update the master design plan * Describe high level functional requirements by developing use case scenarios from the operational descriptions gathered in stage 1 * Describe quality attribute requirements by developing six-part quality attribute scenarios from the quality attribute characterizations gathered in stage 1 * Analyze, clarify and refine the constraints to makes sure both development team and customer stakeholders understand them commonly * Estimate and assign difficulty ranking to the architectural drivers * Identify and document early technical risks that may be candidates for experiments |
|  | Output:   * Architecture drivers specification * Updated master design plan |