CES IT ARCHITECTURE ENGAGEMENT PROCESS

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CES IT Architecture Group

Product Life Cycle

Define

- Definitions of business needs, visions and strategy
- Identification of funding and funding requests
- Service definitions and roadmaps
- Project proposal artifacts
- Coordination with stakeholders
- Analysis of current state business processes
- Gap analysis between current and future states
- Prioritization assessment of project (scorecard)

Explore & Plan

- Review plans, estimates and approaches
- Adjustments to scope, schedule and funding
- Set priorities for services or projects
- Evaluate findings
- Determine technology approach
- Scope setting with customers
- Ensure alignment with architectural strategies
- Identify skills and resources needed
- Update domain capacity planning
- Communication plan
- Secure approvals
- Prepare artifacts

Implement

- Agile charter
- Execute established project plan
- Monitor and control delivery
- Adjust scope and plan as needed
- Validations and customer acceptance
- Production readiness evaluation
- RFC submissions and management

Manage

- Operations and customer satisfaction
- Clarify requirements and priorities
- Monitor needs/trends
- Groom backlogs
- Measure, monitor, evaluate and report on effectiveness and success criteria
- Maintain product plan
- Update roadmaps

Product Lifecycle - Key Objectives and Deliverables

Architecture Engagement - Key Outcomes and Artifacts

- **Business Prioritization Scorecard**
- **Architecture Success Scorecard**
- **Technical Impact Heatmap**
- **Architecture Engagement Tiers**
- **Quarterly Reviews**
- **Portfolio Dashboards & Reports**

Low risk, high architectural alignment proceed to bulk review process - fast track (50%)

High risk; Low alignment; High impact/complexity trigger engagement

	Low Engagement (25%)	Medium Engagement (15%)	High Engagement (< 10%)
Objective	**Provide assurance on architectural alignment**	**Provide assurance; support development of solution architecture**	**Provide assurance; embedded architecture involvement; develop solution architecture; harvest reference architectures and patterns**
Time Commitment (est. 3-6 month project)	1 to 2 weeks	2 to 4 weeks	4 to 8 weeks
Roles Needed	Architect Engineering Owner	Architect Engineering Owners Service Managers Engineers	Sponsors Engineering Owners Service & Project Managers Partner/Commercial Architects Architects Engineers & Analysts
Product Life Cycle Stage	Define > Explore & Plan	Define > Explore & Plan > Implementation	Define > Explore & Plan > Implementation > Manage
Level of architecture involvement	Scorecard assessment Technical impact assessment Review & approval	Scorecard assessment Technical impact assessment Solution architecture development Review & approval Additional effort/support as needed	Scorecard assessment Technical impact assessment Strategies and roadmaps Solution architecture development Solution delivery and evaluation Architecture review and approval Additional effort/support as needed

Overview

Due to the number, diversity and complexity of IT projects across CES, the limited resources of the CES IT Architecture group must be capable of scaling appropriately and engage in projects based on risks associated with each new initiative.

This methodology involves the usage of a simple to use Architecture Success Scorecard, technical impact assessment and engagement tiers. The methodology allows architects to allocate appropriate time to the most critical projects while facilitating a rapid review and governance process for the balance of projects.

This process will also support a framework of reference architectures and approved design/implementation patterns that if chosen, allow projects to be "fast-tracked" through the governance process.

Architectural reviews will be conducted on a regular basis using the same scorecard methodology to provide reporting on the health, improvement progress and accuracy of the IT portfolios.

Engagement Tiers

Fast Track; Bulk Review	50%
Low Engagement	25%
Medium Engagement	15%
High Engagement	<10%