

Technical Project Integrator

Background

The use of a Technical Project Integrator (TPI) provides more efficient and lower risk delivery of products and services for large, complex projects by filling any gap between the Technical and Project Management teams. The Westinghouse TPI provides the coordination of technical elements for a project involving multiple functional area disciplines or organizations. This coordination provides assurance that the products and services provided will have cross-functional requirements and that they properly meet and reduce the risk of interface based on issues arising upon implementation.

Description

The TPI will be involved in all aspects of the project and will be flexible in the support provided as project execution needs develop over the duration of the program. This includes:

- Technical structure to drive a consistent approach for solutions that meet primary and interface requirements
- Agility to resolve technical issues that arise
- Cognizance of the impact of technical challenges on project budget and schedule
- Recognition of technical and organizational opportunities for schedule or budget and component improvements and risk reduction.

While the TPI role is flexible in the support it can provide, specific envisioned scopes are provided in the following descriptions.

Requirements Management

Requirements Management provides a consistent, structured process to define, track and close requirements per procedure.

Issue Resolution

The TPI is best positioned to resolve issues involving input development, design interfaces, critical acceptance criteria/margin tradeoff decisions and schedule conflicts.

Delivery Oversight

Delivery oversight is needed for projects consisting of multiple functional areas and organizations to endure consistency across the project. Technical project integration will ensure consistent delivery for the project.

Project Change Management

Project change management provides assurance that changes made to the project scope will not impact other aspects of the program without proper consideration.

Benefits

- **Risk reduction** – Standardization of issue resolution and change management process
- **Cost reduction** – Efficiencies and execution plan improvements identified
- **Quality improvement** – Requirements management implemented and standardized across the project
- **Transparency for stakeholders** – Unbiased independent assessment of technical and commercial success path for individual issues and overall project

Deliverables

- Independent Review, Design Review and Audit Summary Reports
- Requirements Traceability Matrix
- Monthly Reports

Experience

- Long Term Operation programs
- Upgrades and Flexible Power Operation programs
- Major component replacement, engineering change and installation programs