



BIG DATA

Information Technology and Software

Context Based Configuration Management System

A hybrid tool-suite for distributed strategic planning
and decision making

NASA has developed a new technology to track the status of, and changes to, enterprise level programmatic operations. Enterprise decision making and operations rely on management of non-traditional configuration management (CM) components like estimates, agreements, goals, policies, etc. Additionally, enterprise operations have unique and diverse contexts/ environments such as reviews, workshops, fire drills, Office of Management and Budget (OMB) and Congressional actions, procurements, etc. NASA's innovation Context-Based Configuration Management (CBCM) system integrates decision history and decision-map systems to commercial configuration management systems, and adds intelligence and Knowledge Management (KM) to the CM components to improve enterprise-level assessments and forecasting. This web-based interactivity allows significant and unobtrusive communications and context enhancements.

BENEFITS

- Improves enterprise level assessment and forecasting
- Automatic analysis, forecasts, and reports
- Robust query and reporting tools
- Analyzes and supports past and current decisions
- Tracks the enterprise baseline and future potential vectors
- User friendly GUI interface
- Customized icons/object libraries and configurable KM
- Easy to deploy and maintain
- Middleware connections to other enterprise systems
- Multi-dimensional linking of hierarchy

technology solution



