

ABSTRACT AND BIOGRAPHY

Implementing an Earned Value Management System for the Constellation Program (CxP)

The CxP is comprised of six major projects across all ten NASA Centers, across all NASA institutional areas and numerous Vendors. The NASA EVM requirements not only cover the major CxP Prime Contractors but also the NASA In-House scope of work. Early on in the Program's formulation phase, an Earned Value Working Group was established that resulted in the effective collaboration across all projects, the creation of multiple process documents, and the implementation of off the shelf EVM Software Tools. Numerous training courses were conducted covering EVM basics, Integrated Baseline Reviews (IBRs), EVM validations and EVM specific software tools. The Prime contractors and some of the NASA In-House Projects started providing EVM data and reports that could be uploaded in the CxP EVM software tools for testing and integration. This team approach focused on communication is vital to the success of an EVMS that crosses multiple NASA divisions and NASA centers.

The CxP is currently in the middle of conducting IBRs for all projects to take the CxP into the implementation phase of the program's lifecycle.

The CxP recognizes that EVM will enable increased accuracy of predictions on annual, project phase, and life cycle timeframes. Careful tracking of the successes and issues that the Program overcomes will assist future projects with assessing their unknown risks. The Program at all levels, across all divisions, centers and Contractors is committed to utilizing EVMS as a project management tool to proactively manage the project, analyze and use the data, and make decisions to ensure project success.

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Mrs. McCann is the Deputy SCEA Manager and Constellation EVM Lead at Johnson Space Center in the Scheduling, Cost Estimating and Assessments Office in the Program Planning and Control Office. In this capacity, she is responsible for the design, development and implementation for Program Integration EVMS as well as oversight and support of the Constellation projects.

Mrs. McCann has over 18 years of financial, procurement, contracts and has been a Business Manager for the past 11 years for various NASA contracts including oversight for financial and EVMS deliverables. She has implemented EVMS systems utilizing off the shelf and custom web-based software tools.

Mrs. McCann has BBA in Management and an MS in Future Studies from the University of Houston Clear Lake.