

ABSTRACT AND BIOGRAPHY

Implementing Earned Value Management in the CxP EVA Systems Project Office

Earned Value Management (EVM), like project management, is as much art as it is science to develop an implementation plan for a project. This presentation will cover issues that were overcome and the implementation strategy to deploy Earned Value Management (EVM) within the Constellation Program (CxP), EVA Systems Project Office (ESPO), as well as discuss additional hurdles that currently prevent the organization from optimizing EVM. Each organization and each project within an organization needs to mold an EVM implementation plan around existing processes and tools, while at the same time revising those existing processes and tools as necessary to make them compatible with EVM. The ESPO EVM implementation covers work breakdown structure, organizational breakdown structure, control account, work/planning package development; integrated master schedule development using an integrated master plan; incorporating reporting requirements for existing funding process such as Planning, Programming, Budgeting, and Execution (PPBE) and JSC Internal Task Agreements (ITA); and interfacing with other software tools such as the Systems Applications and Products (SAP) accounting system and the CxP wInsight EVM analysis tool. However, there are always areas for improvement and EVM is no exception. As EVM continues to mature within the NASA CxP, these areas will continue to be worked to resolution to provide the Program Managers, Project Managers, and Control Account Managers the best EVM data possible to make informed decisions.

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Mr. Sorge is currently the EVM Implementation Lead for the CxP EVA Systems Project Office. In this capacity, he is responsible for the development and implementation of the Project EVM processes, tools, and interfaces and ensuring they are compatible with the Constellation Program requirements. He was awarded the NASA Exceptional Public Service Medal for this work.

Mr. Sorge has approximately 15 years of experience in systems engineering and project management, mostly in the aerospace industry. Previous positions have included proposal capture manager, project lead, manager, team lead, and staff engineer supporting the NASA Shuttle and International Space Station Programs.