

Title:

Configuration Management (CM) support for KM processes at NASA/Johnson Space Center (JSC)

Presentation Abstract (100 words max)

Collection and processing of information are critical aspects of every business activity from raw data to information to an executable decision. Configuration Management (CM) supports KM practices through its automated business practices and its integrated operations within the organization.

This presentation delivers an overview of JSC/Space Life Sciences Directorate (SLSD) and its methods to encourage innovation through collaboration and participation. Specifically, this presentation will illustrate how SLSD CM creates an embedded KM activity with an established IT platform to control and update baselines, requirements, documents, schedules, budgets, while tracking changes – essentially managing critical knowledge elements.

Presentation Highlights (250 words max)

At NASA/Johnson Space Center, Space Life Science Directorate (SLSD) is critically important to human exploration activities along a continuum of crew health and performance, scientific research, flight hardware development, integration activities, risks mitigation, and mission operations.

CM, with its rigorous procedures and processes, supports various directorate control boards responsible for knowledge capture and decisions that affect all phases of SLSD operations. With many decentralized and highly technical groups in the directorate, knowledge capture and retrieval can be difficult as with any

large organization. Therefore the practices describe in this presentation will benefit any organization trying to manage knowledge as a vital corporate resource.

Presenter Bio (50-word Limit):

Louis Cioletti is the Configuration Management Lead for Space Life Sciences Directorate (SLSD) at NASA/Johnson Space Center (JSC) in Houston, Texas and is responsible for managing all the SLSD control board meetings. Mr. Cioletti is employed by Wyle on the Bioastronautics Contract and has been at JSC for 21 years.

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