Team Center Systems Engineering Tool

Presented by Barbara Sheeley and Matthew McEmber
July 29, 2009

Location: Boeing Building 111, Room 110A
Networking/Lunch: 11:00 a.m.
Presentation: 11:30 a.m. - 12:30 p.m.

Abstract: The Boeing Company is reaping major benefits from an integrated modeling environment that was proven on the Siemens SLATE platform and is currently being re-hosted on the Siemens TcSE platform. The environment supports creation and integration of three main product architectures: requirements; functional; and logical. Product functional decompositions are linked to system requirements. The logical architecture allows capture of a rich systems model comprising hierarchical system representations to lower levels of system definition, such as electrical and electronic interface definition. The model allows detailed analyses that rapidly identify all system definition disconnects in a matter of hours, rather than the weeks historically required. Matt McEmber will demonstrate how these architecting constructs can be supported on the TcSE platform.

Biographies: Barb Sheeley has a B.S. in Industrial Engineering and an MBA from SIU Edwardsville. She has worked at Boeing for 29 years and is currently leading the company's common process and system tool project called "Integrated Product Architectures." Matt McEmber has a B.S. in Industrial Engineering from Purdue University, and a M.S. in Systems Engineering from Missouri S&T. He has worked at Boeing for 4 years, supporting process and tool solutions, including on the 787 program, to perform model-based Systems Engineering through Requirements Management, Functional Analysis, DoDAF, and Logical Architecture.

Directions: B111 is on Airport Road between I-170 and McDonnell Blvd east of the Guard Station. Enter through the lobby on the south side. Room 110A is to the left of the Lunch Room.

No reservations required, but please contact Dianne Milton at dianne.g.milton@boeing.com or 314-233-6801 by COB July 24 if you plan to attend (for a lunch count and badging for non-Boeing attendees). Non-Boeing attendees, please contact Richard Mayer by July 28 for a Visitor Badge (cell: 314-873-1833).

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Cost: INCOSE Members: No Charge !!!!
        Non-Members: $5.00 for Lunch Contribution