



Crossroads of America

Chapter Meeting

6:00 PM, Tuesday December 8, 2020 www.incose-coa.org

Program:

Brownfield Systems Development: Moving from the Vee Model to the N Model for Legacy Systems

Abstract:

Most systems engineering standards, references, and textbooks consider systems development from a “greenfield” (i.e., clean-sheet, new development) perspective. There are several development (or life cycle) models used for greenfield developments, with the “Vee” model being a popular choice. Many development efforts are better considered from a “brownfield” perspective (i.e., improving upon or replacing legacy systems). This paper proposes an extension of the Vee model, called the N model, which adds a site survey and various reconstruction processes to help move from the as-is system to the to-be system for brownfield development efforts. Three examples are provided to demonstrate how the N model can be applied in different situations.

Speaker: David E. Walden



David D. Walden, ESEP, is co-owner and principal consultant for Sysnovation, LLC, a company he formed in 2006. Based out of Valparaiso, Indiana, USA, Sysnovation is focused on Systems Engineering training and consulting. Previously, Mr. Walden was with General Dynamics Advanced Information Systems for 13 years and worked at McDonnell Aircraft Company for 10 years. Mr. Walden is the Editor in Chief (EIC) of the International Council on Systems Engineering (INCOSE) Systems Engineering Handbook. He is an INCOSE liaison to ISO/IEC JTC1/SC7 Working Groups 10, 20 and 22. He was the Program Manager of the INCOSE Certification Program from 2007-2013. He has an M.S. in Management of Technology (MOT) from the University of Minnesota, an M.S. in Electrical Engineering and an M.S. in Computer Science from Washington University in St. Louis, and a B.S. in Electrical Engineering from Valparaiso University in Indiana. He is a Senior Member of the IEEE. Mr. Walden was one of the first to earn the INCOSE Certified Systems Engineering Professional (CSEP) credential in 2004 and was awarded the INCOSE Expert Systems Engineering Professional (ESEP) credential in 2011.



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Event Schedule (US Eastern Time Zone)

5:00 – 6:00	CoA Board Meeting (Directors & Board Only)
6:00 – 6:20	Social gathering & CoA Chapter Business Meeting (all welcome!)
6:20 – 7:20	Program & Questions
7:25 PM	Adjourn

Business Meeting:

- Call to Order
- Announcements
- Treasurer's Report
- Old Business
- New Business

Remote Access:

Join Zoom Meeting (*Zoom audio is preferred*)

<https://incose-org.zoom.us/j/99954493029?pwd=VzhjcFYwTElhMW00azJLYk9jWUMxQT09>

Meeting ID: 999 5449 3029

Password: 224657

Join by Skype for Business

<https://incose-org.zoom.us/skype/99954493029>

Zoom Meeting Details: Every month on the Second Tuesday

Please download and import the following iCalendar (.ics) files to your calendar system.

Monthly: <https://incose->

[org.zoom.us/meeting/tJ0kcu2spzggGN3lcBd05oqs_DWkh2tBjZbJ/ics?icsToken=98tyKuChpz4uHt2WsB_uORox5HY_4LOjxmHZfjY00tRzHB3AGbRLICcZ1ObotBPra](https://incose-org.zoom.us/meeting/tJ0kcu2spzggGN3lcBd05oqs_DWkh2tBjZbJ/ics?icsToken=98tyKuChpz4uHt2WsB_uORox5HY_4LOjxmHZfjY00tRzHB3AGbRLICcZ1ObotBPra)

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