

Putting MANAGEMENT Into Your Requirements Management



Presented by:

Peter Baxter
President
Distributive Management

Wednesday, 17 February 2010 (6:00 – 8:00 pm)

Applied Physics Laboratory, Johns Hopkins University
11100 Johns Hopkins Rd Laurel MD 20723 (Main Entrance – Lobby 1)

Presentation: While requirements engineering and requirements tools have become widely adopted, the number of software project failures attributed to poor requirements management remains high. Even though metrics that focus on requirements engineering are widely available, often only the most advanced and mature organizations actually use them. Managers who do use requirements engineering measures can spot trouble before a software project becomes a death march. The most common requirements engineering challenges faced by organizations attempting to manage the software development process are:

- Most requirements engineering tools don't provide a way to establish the number of requirements to be developed, the baseline
- Managers generally have no method for assessing requirements engineering progress against the baseline
- Requirements engineering processes don't quantify the extent and impact of requirement changes on a product
- Managers have no means to monitor and control the flow of requirements from development to design to coding and test

Each of the challenges above is directly addressed when measurement is included as part of requirements management activities. Requirements measures provide project managers with the data needed to actively manage their projects. And by better managing requirements engineering, managers ensure that they deliver a quality product that completely satisfies customer expectations.

In this presentation, Peter Baxter President of Distributive Management, delivers practical guidance on why and how to measure, and then manage, requirements, including recommended Requirements Management visuals.

Speaker: Peter Baxter is President of Distributive Management, where he directs delivery of measurement related products and services. He manages the development of measurement solutions for military, government and commercial customers. He has had the privilege of working with the most quantitative and mature software and systems organizations such as Intel, Motorola, Raytheon, Lockheed, General Dynamics, and others. He is a frequent author, trainer and presenter on the subject of measurement and metrics. Mr. Baxter is actively involved in the development of systems and software measurement standards and guidebooks in leading professional organizations, including IEEE, ISO, Practical Software Measurement and the INCOSE Measurement Working Group.

Note: Dinner will be held in the Howard County Room #3 (Enter the Main Laboratory Entrance, Lobby 1, and take a right at the guard station into the main cafeteria. We're down at the end of the hallway in the very last dining room.) Topic discussion will follow dinner.

Delicious friendly networking buffet dinner: Chicken breast with mushroom marsala sauce; Wild rice; and Steamed Broccoli, with garden salad, dressing, rolls and butter, dessert, coffee, and iced tea.

Dinner Reservations: To register for dinner, contact Dave Griffith at d.griffith@ngc.com or call **410-993-2806**.

Dinner Cost: For Guests: **\$20**; For INCOSE members: **\$15** if payment is received by Feb 12th, 2010, **\$20** afterwards. To pay by credit card or PayPal, visit our website: <http://www.incose.org/chesapek>; or to pay by USPS, mail checks (payable to INCOSE-CC) to: **Dave Griffith, PO Box 142, Linthicum, MD 21090-0142**.

Dinner Cancellation Policy: If you make a dinner reservation and then find that you will be unable to attend, please notify Dave Griffith by Monday, Feb 15th, 2010. There will be no refunds after Monday, Feb 15th, 2010.

Presentation ONLY: FREE (no reservations necessary)

Corporate Sponsor: We wish to thank the Applied Physics Laboratory for supporting the systems engineering

profession through use of their facilities.

Our Evening's Agenda

5:45 – 6:00 pm	Arrival and Socializing
6:00 – 6:45 pm	Dinner
6:45 – 6:50 pm	Member Introductions
6:50 – 6:55 pm	Chapter Business Items
7:00 – 8:00 pm	Presentation

Directions: **JHU APL**, 11100 Johns Hopkins Road, Laurel, Maryland 20723, Phone (443) 778-5000
See APL's Visitor Guide for more: <http://www.jhuapl.edu/newscenter/visitor/default.asp>

From Washington DC and Capital Beltway (I-495):

Take I-95 North toward Baltimore, 10 miles to Columbia exit (MD Route 32 West),
Go 2.5 miles to the Washington DC exit (US Route 29 South).
Go 1.5 miles south and take Johns Hopkins Road exit (bear right at the top of the hill).

Or from the Capital Beltway (I-495):

Take US Route 29 North (Colesville Road) 10 miles and follow signs for the turn onto Johns Hopkins Road.

From Baltimore and Baltimore Beltway (I-695):

Take I-95 South toward Washington DC.
Go 13 miles and take Columbia exit (MD Route 32 West).
Go 2.5 miles and take Washington DC exit (US Route 29 South).
Go 1.5 miles south and take Johns Hopkins Road exit (bear right at the top of the hill).

Once you're on Johns Hopkins Road:

APL is a half-mile west of US Route 29 on your right side. Go past the first entrance, continuing past the pond and take the next right turn onto a tree-lined lane. Park in the visitor's lot on your left side. Enter at the main entrance marked **Building 1** (flagpoles and traffic circle in front).

Dinner is held in the Howard County Room #3 located at the end of the cafeteria hallway to the right of the entryway just before the Guard's desk.

