



**American Society for Quality (ASQ)  
Baltimore Section 0502  
Dinner Meeting**

**Tuesday, December 4, 2018**

**The Qualified Manufacturing Line**

**Alan B. Metzler**

Quality Engineer – Northrop Grumman Mission Systems

**Program**

<b>Overview:</b>	<p>Inspection is that vital part of the operation that really does not add value. It is a cost manufacturers pay to reduce the risk inherent in delivering nonconforming product. A properly qualified process allows inspection personnel to monitor the process, not the product, with little or no interruption of product flow.</p> <p>Process qualification is the documented process of validating the ability of a process to operate at an expected quality level during sustained operations. Data covering critical process parameters must be recorded and analyzed to ensure critical attributes can be reasonably guaranteed throughout production. This may include testing equipment at maximum operating capacity to demonstrate quality conformance at that level of production.</p> <p>Once all controlling characteristics have been quantified, the manufacturer should have a full understanding of the process, a validated system may be implemented to routinely monitor those characteristics.</p> <p>Equally important as qualifying processes and equipment is qualifying software and personnel. A well trained staff and accurate, thorough, records help ensure ongoing protection from process faults and rapid, orderly, recovery from process malfunctions.</p>
<b>Speaker:</b>	<p><b>Alan B. Metzler</b>          Al is a Quality Engineer with Northrop Grumman Mission Systems, responsible for (among other things) nondestructive testing and high accuracy dimensional measurement. Having earned a degree in Mechanical Engineering from the University of Tennessee (Knoxville), he has worked as a manufacturing engineer in high speed sheet metal production, gear manufacturing, and the manufacture of armored vehicles.</p> <p>Recognizing accepted international standards as the bedrock of trade and industry, Al serves on several standards groups. Among these are:</p> <ul style="list-style-type: none"> <li>• ANSI Additive Manufacturing Standardization Collaborative</li> <li>• ASTM Smart Manufacturing Advisory Committee</li> <li>• ASTM Committee on Nondestructive Testing</li> <li>• ASTM Committee on Quality and Statistics</li> <li>• Coordinate Metrology Society Certification Committee</li> </ul> <p>Locally he serves on the Executive Board of the Cumberland Valley Chapter of SAE International, and the Washington County Public Schools Career Technology Education Advisory Committee</p>

## Tutorial (0.5 RUs)

<b>Quality Tool of the Month:</b>	Qualified Manufacturing Line (QML)
<b>Presented by:</b>	<b>Alan B. Metz</b>
<b>Overview:</b>	The latest revisions of the ISO 9000 standards are based on risk assessment and mitigation. A properly implemented QML process provides the capability to minimize risk while, simultaneously, allowing inspection operations to be drastically reduced. This presentation will demonstrate the conceptual basis for the QML and the process for its development and implementation.

## SCHEDULE

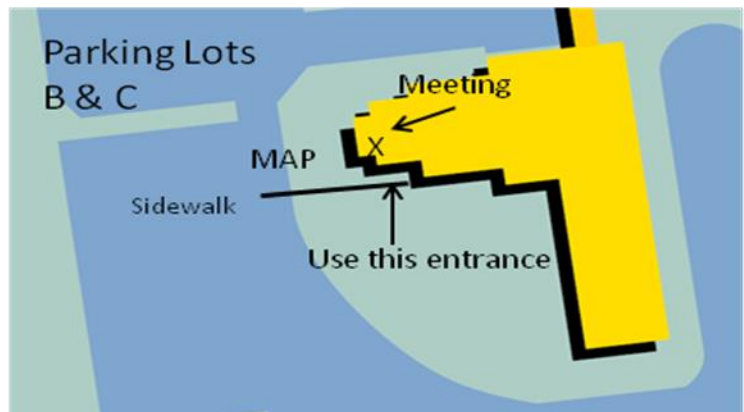
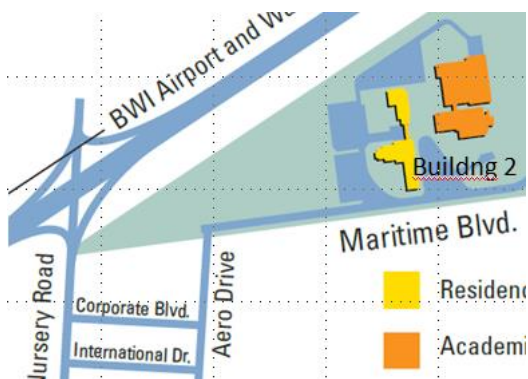
<b>Location:</b>		<b>Conference Center at the Maritime Institute</b> 692 Maritime Boulevard, Linthicum, MD (410-859-5700; www.ccmit.org).
<b>TIME:</b>	<b>5:00 p.m. - on</b>	Registration, networking and dinner
	<b>6:30 - 8:30 p.m.</b>	Tutorial (0.5RUs) and Program (0.5 RUs)

## COST and REGISTRATION

<b>Cost:</b>	<b>Advance registration is required.</b> No charge for program only. Cost \$25 (members) / \$30 (non-members) -- Cash or checks written to ASQ Baltimore accepted. No credit/debit cards accepted.
<b>Registration:</b>	Go to ASQBaltimore.org. Click on Event >> Reservations, select the meeting date and complete the form. If you need to CANCEL, please let us know otherwise you may be billed. Go to the reservations page that you used to register and select Cancel a reservation under the meeting date. Please add the meeting date in the comment section. In the event of <b>inclement weather</b> , the website will be updated with the status by 2pm on the day of the meeting.

## DIRECTIONS

<b>295 South:</b>	Take West Nursery Road exit. Left onto West Nursery Road.
<b>295 North:</b>	Take West Nursery Road exit. Bear to the right onto West Nursery Road BUT be in the LEFT most Lane that turns right.
<b>ALL:</b>	Turn Left at the light Corporate Blvd and Nursery Road (before Cracker Barrel). Left onto Aero Drive. Two block to entrance through the gate and to your right. Park in Lots B or C are on your left between the two buildings. You will be going into Building 2. There is a Map by the building with a sidewalk to the right. The sidewalk branches to the left, TAKE THE SECOND Left off the main side walk. You will be entering the room on the side of the entrance. Meeting room on your left. If you go to the Front desk, you have gone too far.  <b>NOTE:</b> If you arrive after 6 pm, the side door is locked. Turn around and go to the next sidewalk on your right. Go to the door. You will be behind the speaker, but someone will let you in.



**Have a question, comment or just want to find out about the Section**

Go to our website: <http://asqbaltimore.org>

		2018	2019										
		DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV
<b>Dinner Mtg</b>													
<b>Date</b>	4		12	12	9	14	11			10	8	12	
<b>Location</b>	MT		MT	Faz	MT	MT	MT			MT	MT	Faz	
<b>Board Mtg</b>													
<b>Date</b>			15	19	19	16	21			20	17	15	19

<b>ASQ DINNER MEETINGS</b>	<b>ASQ BOARD MEETINGS</b>
<ul style="list-style-type: none"> <li>• Second Tuesday of the Month</li> <li>• December Mtg: 1st Tuesday of the Month</li> <li>• No meeting: January, July or August</li> <li>• Location subject to change</li> <li>• March/ November Mtg: North of the city</li> </ul>	<ul style="list-style-type: none"> <li>• Third Tuesday of the Month</li> <li>• Earn RUs for volunteering (large and small projects)</li> <li>• Interested contact a Board member or <a href="mailto:info@asqbaltimore.org">info@asqbaltimore.org</a></li> </ul>