



Welcome to the January 2012 issue of the Newsletter! Your local provider of information and learning opportunities related to quality professionals.

Membership Meeting

LOCATION:

Luby's Cafeteria Mesa at Sun Bowl

SCHEDULED TIME: 6:30 pm – 8:00 pm Speaker begins at 7:00 pm

DATE: Thursday, January 26, 2012

NOTE: This is the 4th Thursday of the month for this meeting only

Speaker: John McMillin

Topic: Performance Measurement in Workforce Development

MEETING IS FREE FOR MEMBERS AND NON-MEMBERS ALIKE

THE CHAIR SPEAKS

OCTAVIO CERVANTES

We closed the past year with many accomplishments in our jobs, at home, and within our local ASQ. I hope everyone enjoyed the Christmas with family and friends. Thank you all for the contributions you had with ASQ during 2011. The voluntary time you spend with ASQ is very valuable and well appreciated.

Now, it is a new year and it is the time to start planning on preparation to have a good year. I wish you all have a fabulous 2012 with lots of new things to do on the different areas of responsibilities you have at work and also with the family.

I also hope that we all continue working in some way to make ASQ 1401 an association where we all can enjoy, learn, and grow as individuals and professionals.

Regards and have a prosperous 2012.

AUTOMOTIVE SECTION

HECTOR LUGO

Ford Motor Co. said U.S. sales of the Ford brand topped 2 million units this year for the first time since 2007, implying a 15

percent share in the second biggest auto market in the world.

The Ford division -- helped by new models such as the Fiesta and revamped Explorer SUV -- is also the first brand to top annual sales of 2 million units since 2007, when the U.S. economy entered a recession.

"The industry sales rate has exceeded 13 million in each of the last three months," [Ken Czubay](#), Ford's vice president for U.S. sales and marketing, said in a statement. "This suggests the current momentum is not an aberration."

See you at the meeting!

EDUCATION SECTION

KIM PRIES

One of the most important concepts we have seen in any environment where we need to get things done is the POWER OF THE ROUTINE TASK. Basically, we make any work that needs to be accomplished part of a routine, say, in the morning, when we begin our workaday activities.

Some of these tasks are items we do every day. Some of them we only do for two weeks or even less time. The point is that they get done because we set aside a few minutes a day to work on them. This approach is a rational alternative to the unacceptable "I didn't have time to do it." Of course, the power of the routine task requires a smidgen of planning in order to be effective, but effective it is.

I wrote my first book in 30 days using this approach. Every day, I set myself a specific number of pages and graphics that needed to be completed that day. I held to his approach and I was able to generate 17 pages a day! And I still performed all my functions at the day job!!!

So, how do you start?

1. List things that need to get done that somehow seem to be falling through the cracks.
2. Plan out some time slices in which to perform micromovements that will lead to completion of the task.
3. Make sure you set aside time before you get started on other projects for the day.
4. Review your results EVERY DAY, preferably with somebody else.

5. Use a tickler file or other reminder method to see to it that the jobs are completed on schedule.
6. Celebrate your success

I have used this approach, so I know it works

MANAGEMENT SYSTEMS
ALFONSO ENRIQUEZ

Control charts need estimation of the parameters, such as the mean and standard deviation. Most SPC books such as Montgomery (1), Grant and Leavenworth (2), Memory Jogger (3) use the mean to create estimates of the mean and standard deviation. The calculators such as the TI-30XA have a key for the mean but not for the median. In a recent paper Marit Shoonhoven et al (4) explain that the mean absolute deviation from the median (ADM) is a better estimator of the standard deviation to use with control charts.

If this estimator is going to be implemented in future versions of software for SPC, we should get familiar with it. Introductory Books on Statistics such as Moore and McCabe (5) describe how to calculate the median. Let's review how to calculate the median when the number of data is odd, we will use the first subgroup of an example taken from Grant and Leavenworth (1988, p9), (this example was used by Marit Shoonhoven et al (4)).

These are the data in the first subgroup: 36, 35, 34, 33, 32. First we order the data from smallest to largest: 32, 33, 34, 35, 36. The location of the median in a group of odd number of data is $(n + 1/2)$, for a group with $n=5$, the location is 3, therefore the median of the first subgroup is 34

The mean absolute deviation from the median in a subgroup is calculated as follows:

data	median	deviation	abs. dev	
36	34	2	2	
35	34	1	1	
34	34	0	0	
33	34	-1	1	
32	34	-2	2	Average dev.
	sum of abs. dev. -->		6	1.2

After calculating the average absolute deviations from the median from each subgroup, we can calculate the mean of the average

absolute deviations from all subgroups, and divide by a constant $t_2(n)$ to obtain an unbiased estimation of σ .

- 1) Montgomery, D. "Statistical Quality Control", Wiley, 2009.
- 2) Grant, E. L. and Leavenworth, R. S. "Statistical Quality Control", McGraw-Hill, 1988.
- 3) Brassard, M. and Ritter, D. "Memory Jogger", Goal/QPC, 1994
- 4) Shoonhoven, M.; Riaz, M.; and Does, R. "Design and Analysis of Control Charts for Standard Deviation with estimated parameters", Journal of Quality Technology, Vol . 43, No 4, October 2011.
- 5) Moore, D. S and McCabe, G.P. "Introduction to the practice of statistics" Freeman, 1999.

RE-CERTIFYING AND ASQ CERTIFICATIONS

STEVEN SCHAFER

Out of a total of 7 member(s) whose certifications expired June 2011, 1 will lose their certifications if they do not re-certify by the end of December 2011, 4 member(s) re-certifications are being processed and 2 member(s) completed their re-certifications.

Out of a total of 9 member(s) whose certifications will expire December 2011, 5 will lose their certifications if they do not re-certify by the end of June 2012, 3 member(s) re-certifications are being processed and 1 member(s) completed their re-certifications.

Members can re-certify early! As long as you have enough points you can re-certify as early six months before your certification expires. Your Certifications will be extended 3 years beyond the certification expiration date you currently have for your certification, so you don't lose anything by re-certifying early. Out of a total of 8 member(s) whose certifications will expire June 2012, 8 will lose their certifications if they do not re-certify by the end of December 2012, 0 member(s) re-certifications are being processed and 0 member(s) completed their re-certifications.

If anyone has questions on how to re-certify to extend their ASQ Certifications and/or how to synchronize them if they have more than one, please let me know. Re-certifying by exam costs more and is a lot more difficult than re-certifying through the accumulation of RU points. You can reach me, the Re-Certification Chair, at 915-241-4780. Please leave a message on the answering machine if no one answers and I will call back you as soon as I can. You can also

reach me via the Internet at spikeguate@sbcglobal.net. I am ready to help with any questions you might have about Re-Certifying or about any ASQ Certifications you might have, call me. The Re-Certification Journal is at the following link and will guide you in the re-certification process

<http://www.asq.org/certification/recertification/rucredits/index.html>

Potential meeting and dinner schedule

Year	Month	Date	Day	Topic - Speaker	Location
2012	Jan	14	Sat	Leadership Committee Planning Section	Holiday Inn Airport**
2012	Jan	26	Thur	John McMillin – Performance Measurement in Workforce Development	Lubys*
2012	Feb	11	Sat	Leadership Committee Planning Section	Holiday Inn Airport**
2012	Feb	16	Thur	TBD	Lubys*
2012	Mar	10	Sat	Leadership Committee Planning Section	Holiday Inn Airport**
2012	Mar	15	Thur	Kevin Wall - QA at Carefusion	Lubys*
2012	Apr	14	Sat	Leadership Committee Planning Section	Holiday Inn Airport**
2012	Apr	19	Thur	Software Validation	Lubys*
2012	May	12	Sat	Leadership Committee Planning Section	Holiday Inn Airport**
2012	May	17	Thur	TBD	Lubys*
2012	Jun	16	Sat	Leadership Committee Planning Section	Holiday Inn Airport**
2012	Jun	21	Thur	TBD	Lubys*

*Luby's Cafeteria Mesa at sunbowl/Mesita

**Cactus Rose Café – Holiday Inn Airport – Leadership Committee meetings 8:00 am – 12 Noon – Open to all section members

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Workshop Chair: Hector Lugo
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Assistant Recertification Chair: Jack Vaughn
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Assistant Newsletter Chairman: Jack Vaughn
See Above

Our Section is on-line! Make a suggestion – win a FREE meal! <http://asq1401.org>