



Greater El Paso
Section
The Global Voice of Quality™

Amigo
Quality

Volume 41 Number 9

Welcome to the June 2021 issue of the Newsletter, your local provider of information and learning opportunities related to quality professionals.

To comply with COVID-19 social distancing requirements and to protect the health of our members guests and presenters the section is holding general membership meetings on WebEx – see information below for sign on and telephone access.

General Membership Meeting	
DATE:	Tuesday , June 15, 2021
SPEAKER:	Alfonso Enriquez
TOPIC:	The factors in the process of an automobile seat nonwoven retainer
SCHEDULED TIME:	WebEx meeting begins 6:00 pm w informal discussions – Formal meeting starts 6:30 PM Mountain Time
LOCATION:	WebEx link
WHO:	All members and guests are invited
COST:	Free

ASQ1401 June Member Meeting
Hosted by ASQ Section1401

<https://asq.webex.com/asq/j.php?MTID=mca77e183df5857d5e48a352072d92424>

Tuesday, Jun 15, 2021 6:00 pm | 2 hours | (UTC-06:00) Mountain Time (US & Canada)

Meeting number: 151 048 5051

Password: t2QEMcdVq85

Agenda: 6:00PM MDT Open conference line

6:30PM MDT "The factors in the process of an automobile seat nonwoven retainer" presentation start. Presenter Alfonso Enriquez

Join by phone

1-408-792-6300 Call-in toll number (US/Canada) Access code: 151 048 5051

Leadership Committee Meeting

DATE:	Wednesday, July 7, 2021
SCHEDULED TIME:	6:00 PM to 7:30 PM
LOCATION:	WebEx Meeting
WHO:	All members are welcome to attend and participate in section management
COST:	Free

Leadership Committee Meeting
Hosted by ASQ Section1401

<https://asq.webex.com/asq/j.php?MTID=m99126106976d5eef76ccd918e5ef15a5>

Wednesday, Jul 7, 2021 6:00 pm | 1 hour 30 minutes | (UTC-06:00) Mountain Time (US & Canada)

Occurs the first Wednesday of every month effective 7/7/2021 from 6:00 PM to 7:30 PM, (UTC-06:00) Mountain Time (US & Canada)

Meeting number: 182 854 3117

Password: 4SHkUCNCJ73

Join by phone

1-408-792-6300 Call-in toll number (US/Canada)

Access code: 182 854 3117

THE CHAIR SPEAKS

Keith Fong

Just last week, the ASQ announced that in-person meetings are allowed again for ASQ events. The coronavirus vaccination development, validation, production, and distribution has been an amazing achievement which has now resulted in much reduced infection rates and mortality. Unfortunately, even with the wide availability of coronavirus vaccinations, the unvaccinated continue to get ill. Sadly, an acquaintance of my family died just a couple of months ago of COVID-19—she had not yet gotten a vaccination and attended a family gathering where others were unvaccinated. If you haven't been vaccinated, please help your neighbor and yourself by getting vaccinated.

This month, Alfonso Enriquez will be presenting about factors in the design and manufacture of an automotive retainer. Alfonso's deep knowledge of quality and manufacture will give you insights into how these products can be produced economically in large quantities.

Last month, Lonnie Wilson's talk about "Job Satisfaction As A Bad Management Practice" was eye-opening. He shared about a client who spent significant monies to improve job satisfaction, but without seeing any improvement in profitability or quality. Lonnie argued that job engagement is the key and he shared how to create engagement.

We are migrating our www.asq1401.org to the ASQ's myASQ system this month. However, we'll be maintaining the domain name so you'll be directed to the myASQ page for the Greater El Paso Section if you use that link.

The new link to the section's MyASQ.org website is:

<https://my.asq.org/communities/home/303>

AUTOMOTIVE SECTION

Hector Lugo

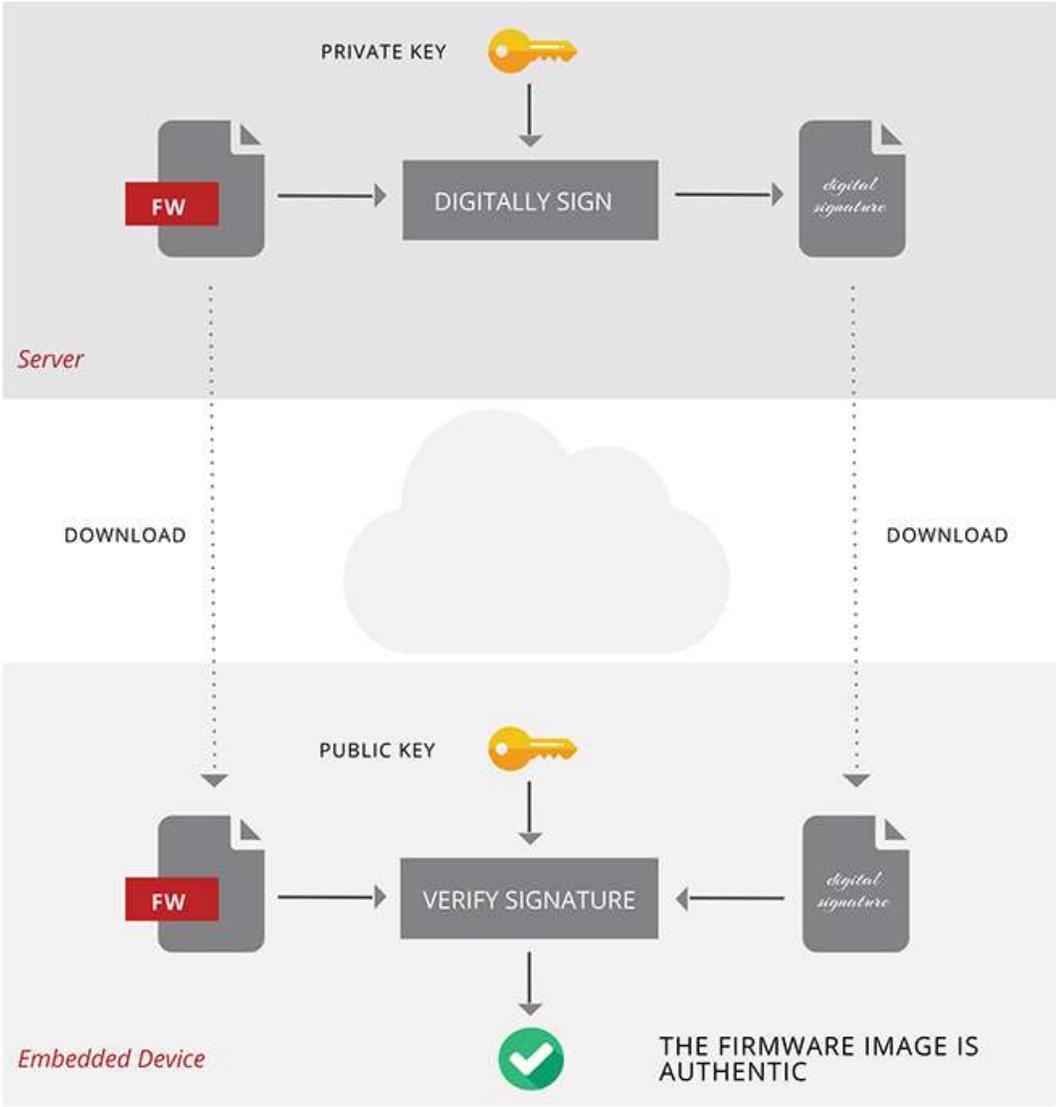
Thank you to all the participants in this exciting section, the winner for this month is: Firmware—permanent software programmed into read-only memory that provides the low-level control for a device's hardware—is a fact of life for every embedded electronic device.

Principles of cryptography often play an important part in the protection of a device against attackers when considering the design of its firmware. After development and mass production, OEMs require the ability to update the firmware within a deployed device to correct bugs and add new product features.

Digital signing and signature verification are cryptographic algorithms used to verify the authenticity of data, in this case a firmware image file. If the image file is exactly the one that was signed with the private key, then the signature will verify successfully. However, if the image file differs from the one signed with the private key even by one byte, signature verification will fail.

We discuss of how embedded processing can be made more secure using cryptographic techniques: performing over-the-air (OTA) updates safely; encrypted communication on a host network; secure key sharing; and authentication. Without such a mechanism, OTA updates could be vulnerable to hackers seeking to introduce their own code into the embedded device (*Figure below*).

DIGITALLY SIGNING AND VERIFYING A FIRMWARE IMAGE



See you at the meeting!

Management Systems

By Alfonso Enriquez

Some things are better complicated than simple.

Everybody likes a smart phone, you can do many different things, like playing games, communicate to others watching them in a video conference, recording videos, and of course making phone calls.

Most people independent of the level of education, age, race can use the cell phone.

But when it comes to Management Systems, people would like to have simpler systems. But IATF 16949 requires having more than 30 documented processes and to describe the interactions.

How come we can have 25 or more standard apps in the cell phone, and know how to use them, and you like having 25 apps or more, and you do not want to simplify it?

Let us say that the cell phone company removed the camera app from your phone to simplify it, and you asked why it was removed, suppose they answered, I want it to simplify your cell phone. I think most people would not like that decision.

What about removing the IATF process about supplier monitoring just to simplify and not having too many processes? I think at least the operators would say: please do not remove it, someone must make sure we have the proper materials to work with.

RE-CERTIFYING AND ASQ CERTIFICATIONS

STEVEN SCHAFFER

- Recertification period expired: Out of a total of 8 member(s) whose certifications expired June 2020, 1 lost their certifications since they did not re-certify by the end of December 2020, 0 member(s) re-certifications are being processed and 7 member(s) completed their re-certifications.
- Urgent attention needed for Recertification (6 month grace period): Out of a total of 4 member(s) whose certifications will expired December 2020, 1 will lose their certifications if they do not re-certify by the end of June 2021, 0 member(s) re-certifications are being processed and 3 member(s) completed their re-certifications.
- Recertification Expiring: Out of a total of 5 member(s) whose certifications expire June 2021, 5 will lose their certifications if they do not re-certify by the end of December 2021, 0 member(s) re-certifications are being processed and 0 member(s) completed their re-certifications.
- Early Recertification period: Out of a total of 3 member(s) whose certifications will expire December 2021, 3 will lose their certifications if they do not re-certify by the end of June 2022, 0 member(s) re-certifications are being processed and 0 member(s) completed their re-certifications.

Members can re-certify early! As long as you have enough points you can re-certify as early as 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. Remember, you can only claim points that you have accumulated up to the time you submit and these points need to be collected during your 3 year certification period.

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 or (501) 615-8170. 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 <https://asq.org/cert/recertification>.

In order to get to your online journal that will let you log all the recertification activities for your RU's (Recertification Units), you will need to log into your ASQ account at <https://asq.org> . Once in your account go to the recertification section and click on the Blue "ACCESS MY ONLINE JOURNAL" button.

When re-certifying, always get the most recent Re-certification Journal information. The latest Re-Certification Journal is October 2020. For ASQ members the fee for one certification is \$90.00 and for two or more \$110.00; for non-members the fee for one \$130.00 and for two or more \$130.00 each).

Projected Events				
Year	Month	Date	Event	Location
2021	June	15*	General Membership Meeting	WebEx ONLINE MEETING
2021	July	7	LC Meeting	WebEx online Meeting
2021	July	20	General Membership Meeting	WebEx ONLINE MEETING
2021	August	7	LC Meeting	WebEx online Meeting
2021	August	20	General Membership Meeting	WebEx ONLINE MEETING
2021	September	7	LC Meeting	WebEx online Meeting
2021	September	20	General Membership Meeting	WebEx ONLINE MEETING
2021	October	7	LC Meeting	WebEx online Meeting
2021	October	20	General Membership Meeting	WebEx ONLINE MEETING
2021	November	7	LC Meeting	WebEx online Meeting
2021	November	20	General Membership Meeting	WebEx ONLINE MEETING
2021	December	7	LC Meeting	WebEx online Meeting
2021	December	20	General Membership Meeting	WebEx ONLINE MEETING

* Note, starting in January 2021, the General Membership Meetings will be held on the **THIRD TUESDAY** of each month.

The LC Meetings will continue to be held on the first Wednesday of each month.

2021 Officers/Committee Chairs

Chair: Keith Fong Home Phone: (915) 351-7535 e-Mail: fongk@asme.org	Vice-Chair – Hector Lugo Phone: (915) 208-2502 Home Phone: (915) 581-8091 e-Mail: h7teter@hotmail.com
Treasurer: Evaristo Campos-Torres Work Phone: (915) 860-6287 Cell Phone: (915) 929-3142 e-Mail: evaristo.campostorre@dish.com	Auditing Chair, Newsletter Chair: Jack Vaughn Home Phone: (915) 594-6662 Cell Phone: (915) 549-2014 e-Mail: jvaughn@utep.edu
Secretary: Morris Hendricks Phone: (419) 769-0121 e-Mail: Morrishe@aol.com	Alt Recert Chair Internet Liaison: Jack Vaughn Home Phone: (915) 594-6662 Cell Phone: (915) 549-2014 e-Mail: jvaughn@utep.edu
Membership Chair: Sergio R. Vega Work Phone: (915) 860-6257 Cell Phone: (915) 276-1130 e-Mail: sergio.vega@dish.com	Refresher Classes/Workshops Chair: Hector Lugo Phone: (915) 208-2502 Home Phone: (915) 581-8091 e-Mail: h7teter@hotmail.com
Education: Alfonso Enriquez Work Phone (915) 231-4571 e-Mail: alfonso.enriquez@att.net	Recertification Chair: Steven Schafer Home Phone: (915) 241-4780 e-Mail: spikequate@sbcglobal.net
Publicity Chair: Morris Hendricks Phone: (419) 769-0121 e-Mail: Morrishe@aol.com	Nominations Chair: : Vacant Work Phone: e-Mail:
Partners In Education: Vacant Cell Phone: e-Mail:	Business Student Section: Vacant Cell Phone: e-Mail: