

TJC

and ASSOCIATES, Inc.

Message from the President

TJCAA adds Control Systems Programming Services

Industry News - UL2703

TJCAA's Business Certifications

- Alameda County Small, Local Emerging Business
- City of Oakland Local Business Enterprise
- California DGS Micro Business (SB (micro))
- Port of Long Beach SBE
- San Diego County Water Authority SBE
- SoCal Network SBE
- CA PUC WBE
- City of Sacramento SBE

The TJCAA Quarterly

www.tjcaa.com

Message from the President Gianna Zappettini

I am very **E**xcited about our **E**xpanding workforce at TJCAA. My **E**mphasis on the "**E**'s" is intentional as the **E**xpansion is within our **E**lectrical group. Along with our **E**xcellent structural engineering, materials testing, and quality control groups, we now have more **E**lectrical **E**xpertise! Read on to see what I mean.

TJCAA adds Control Systems Programming Services

TJCAA has expanded its electrical service capabilities to include control systems programming—writing the PLC and SCADA programs for facilities such as water and wastewater plants. "We are indeed excited about the possibilities," says Terry Cavanagh, "and we're delighted to have Mike Erwin champion this effort."



Mike Erwin, an Electrical Engineer with more than 25 years of experience, joined TJCAA earlier this month. Mike's expertise in designing, implementing, and managing electrical power,

control, automation, and instrumentation systems will further enhance our highly qualified team of Electrical Engineers.

Clients will benefit from our expert control systems programming services. "Working directly with the programmers will give our clients direct control of how their software is integrated," Mike explains. "They will be able to get complete customization of the look

and feel of their operator screens." He also noted "This will allow our clients to adjust and modify control strategies on the fly, and will give them the ability to add special features, such as custom reporting, asset management, online documentation, and standard operating procedures."

TJCAA wants its clients to "hit the ground running" with their new or upgraded control systems, and our services include training for operators and technicians, as well as well-annotated, understandable documentation. Quality is central at TJCAA, and when we make systems work the way our clients want them to, it can help them meet their own goals for quality and efficiency.

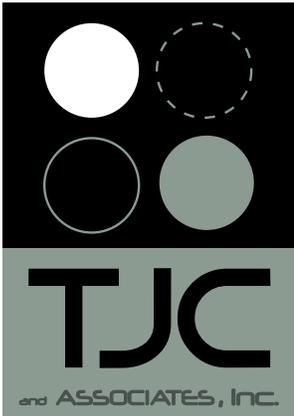
Industry News - UL2703

The UL2703 standard published by Underwriter's Laboratory is not yet final, TJCAA cautions. This standard is one of more than 1,000 that the UL has developed and published over the years. UL states, "Millions of products and their components are tested to UL's rigorous safety standards with the result that consumers live in a safer environment than they would have otherwise." Manufacturers often seek and advertise certification that their products meet the requirements of these standards.

The UL2703 standard is for "Rack Mounting Systems and Clamping Devices for Flat-Plate Photovoltaic Modules and Panels," (latest edition, October 2010). For standards such as this, the review process includes outreach to gather ballots and comments. The results of the initial balloting on UL2703 indicated that it was not yet acceptable for final adoption as an official standard.

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Entertainment Review - "Brave"

Did You Know?

Dates to Note

To address the comments received during balloting, UL incorporates the expertise of Standards Technical Panels (STPs), which include industry representatives, code officials, and engineers. UL states "An STP is a group of individuals, representing a variety of interests, formed to review proposals related to UL Standards for Safety. When an American National Standards Institute (ANSI)/UL Standard for Safety is involved, an STP serves as the consensus body to review and vote on proposals prior to publication."

Terry Cavanagh of TJCAA is on the UL2703 STP, which is reviewing the comments to determine whether the standard can be modified to address the concerns raised during balloting. TJCAA has tracked this review process and we believe that one reason that UL2703 needs to be modified before adoption is that the proposed mechanical testing standards do not fully address current building code requirements.

Manufacturers should be aware that UL2703 is not yet an approved standard. Those performing mechanical testing in accordance with the current version of UL2703 should note that the mechanical testing section will likely change before UL2703 is adopted. Contact us if you have questions.

Entertainment Review - "Brave"

Our engineers enjoy a good story, and one of our newest team members told us about the movie "Brave," which was released this past June. This

animated movie offers vibrant visuals, along with plenty of action and laughs. At the heart of the story, however, is the challenging relationship of a mother and her daughter, a defiant and impetuous Scottish princess. (PG, 100 min.)

Did You Know?

A fortnight is equal to 14 days

A peck is equal to 2 dry gallons, or 1/4 bushel

A gill (pronounced "Jill") is equal to 1/4 pint

A furlong is equal to 660 feet or 1/8 mile

A board foot is the volume of a 1-foot length of board, 1 foot wide and with a 1-inch nominal thickness.

Dates to Note

Sept. 22	Autumn Equinox (see tinyurl.com/TJCAAautumn)
Sept. 29–Oct. 3	WEFTEC 2012, New Orleans
October 2–7	AC World Series Yacht Racing, San Francisco Bay
October 20	Big Game: Stanford vs. Cal
October 21–28	ICC Code Hearings, Portland, Oregon
October 24	MLB World Series begins
October 24–25	NSA Fall Meeting, York, Pennsylvania
November 4	Daylight Saving Time Ends

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