

Field Evaluation Services Newsletter

UPCOMING
TRADE
SHOWS

& ELECTRICAL
& WORKPLACE
INCIDENTS

FIELD EVALUATION
OF CE MARKED
EQUIPMENT

TOP
SAFETY
RECALLS

CUTTING
EDGE
TECHNOLOGY
NEWS

September 2016



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FIELD EVALUATION OF "CE MARKED" EQUIPMENT



Many Inspectors, Hospitals, and equipment buyers are routinely asked to accept the "CE Mark" as evidence of electrical safety certification in North America. There are some important reasons why this equipment should never be accepted as certification:

- CE Marking is a "Self-Declaration" scheme for most products, allowing the manufacturer to claim compliance to international Standards
- There is no follow-up at the factory to ensure the product is still manufactured the same way as described in the documents
- Manufacturers are responsible for product testing, even though they may not have the correct test equipment and procedures.
- If you have a complaint about a "CE Marked" product, there is no authority to contact, no office to call.
- Nationally Recognized Testing Laboratories routinely evaluate and test "CE Marked" products in the laboratory and in the field. Approximately 90% of these products do not meet North American Standards, some in very serious ways.

If you are asked to accept "CE Marking" as certification, try the following sequence to see if the CE paperwork will be helpful in a Field Evaluation:

1. Obtain the CE Declaration of Conformity. This is usually a one page document signed by an officer of the company.
2. Examine the Declaration and identify the Safety standards referenced (These declarations usually reference a number of EMC Standards which are usually not relevant for North America)
3. Is the safety Standard appropriate for the product? What date was the declaration created? Is the edition of the Standard correct?
4. Based on the Safety Standards referenced, ask for the EN/IEC Test report (For example IEC61010-1). This can be a lengthy document which is a clause by clause evaluation and testing results record indicating Pass, Fail, or N/A.
5. Was the test report issued by a recognized testing agency or by the manufacturer? If it is from the manufacturer, request a list of test equipment used for the evaluation.
6. If the test report was created by the manufacturer, request the component information that is supposed to exist in the Technical Construction File.
7. Examine the product manufacture date and compare it to the date of the test reports. If the product was manufactured years after the test report was created, it may not resemble the original product tested.

Sometimes this information can be very helpful in a Field Evaluation project. Unfortunately many manufacturers claiming the "CE Mark" have not actually done the testing or created the Technical Construction File required by the EU Directives. This means that even in Europe they have not fulfilled the legal requirements, and it also means you may not get any information items past number 3 above. In many cases we have to assume the test report and other documents do not exist.

Some manufacturers do an excellent job with their CE projects, but they are in a minority.

Top Product Safety Recalls

-  [GE Appliances Recalls Top-Loading Clothes Washers](#)
 -  [Samsung Recalls Galaxy Note7 Phones](#)
 -  [HAUS Mosquito Zapper LED Light Bulbs](#)
 -  [BLACK+DECKER™ Recalls Electric Blower/Vacuum/Mulchers](#)
 -  [Whirlpool Recalls Microwaves](#)
 -  [Cree Recalls LED T8 Lamps; Includes T8 Lamps Provided as Replacements in Previous Recall](#)
 -  [United Copper Recalls Metal Clad Cables](#)
 -  [Samsung to Halt Galaxy Note 7 Sales](#)
 -  [All Power Portable Generators Recalled by J.D. North America](#)
 -  [Denon Recalls Rechargeable Battery Packs](#)
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-  **Fire/Burn Hazard**
 -  **Shock Hazard**
 -  **Laceration Hazard**
 -  **Explosion Hazard**

ELECTRICAL & WORKPLACE INCIDENTS

Short Circuit In Flooded Basement Sends MI Woman To Hospital

Tennessee State Fire Marshal Urges Public To Join The Fight Against Fire In Wake Of Tragedy

Faulty Air Conditioner Power Cord Sparked House Fire That Killed Six Children & Three Adults

Video Shows Explosion Before Massive Outage Knocks Out Power To High School

Environmental Compliance: The New TSCA

Maximum OSHA Fines For Safety Violations Increase By 78%

Auto Parts Manufacturer, Staffing Agency Continue To Expose Workers To Fall, Amputation, Electrocution Hazards At Georgia Facility

Suspected Underground Explosion Leaves 8,700 Without Power

Plumber Electrocuted Due To Improperly Installed Range Cord

Shell Canada Investigates After Electrical Explosion Occurs At Edmonton-area Refinery

Florida Hospital Evacuated After Electrical Fire

Report Details How Electricity Entered Raleigh Pool, Killing Teen Girl

University Cited For Safety Violations After Lab Explosion

Faulty Cables Likely Caused Explosions In Downtown Detroit

Electrical Outlet Catches Bedroom Mattress On Fire In Modesto, CA

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RESOURCE LINKS



TÜVRheinland® ACCREDITATIONS

OSHA ACCREDITATION



SCC ACCREDITATION



29CFR1910.303A SUBPART S ELECTRICAL

OSHA/US DOL BULLETIN: CERTIFICATION OF WORKPLACE PRODUCTS BY NATIONALLY RECOGNIZED TESTING LABS

OSHA: INDUSTRIAL MACHINERY IS ELECTRICAL EQUIPMENT

FEDERAL LAWS FOR THE WORKPLACE

OSHA: ALL EQUIPMENT MUST BE NRTL APPROVED

NRTL PART 1

NRTL PART 2

29CFR1910.399 DEFINITIONS

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CUTTING EDGE TECHNOLOGY NEWS

Six Futuristic
Phone Designs

Kurzweil Says
Passion Projects
Are The Best Way To
Learn

New Solar
Technology
Promises Big Gains
In Efficiency And
Output

The World's
First Flying Car Will
Launch In 2018 - Here
It Is In Action

Vuzix M300
Wearable Smart
Glasses

What
Everyone Should
Know About The
Internet Of Things

Sleeping Pods
Could Be Coming To
An Airport Near You

IoT Village
At DEF CON 24
Uncovers Extensive
Security Flaws In
Connected
Devices

Tesla Autopilot
8.0 Uses Radar To
Prevent Accidents
Like The Fatal Model
S Crash

Rays The Roof:
New Panels Nearly
Double Solar
Production

New
Sideways Solar
Cells Yield Greater
Efficiency

Ultrafast,
Ultrahigh-density
NRAM, Non-Volatile
RAM
Using Carbon
Nanotubes

MIT Researchers
Discover Method
To Triple Wireless
Speeds

Visionary Ray
Kurzweil On The
Amazing Future He
Sees — Thanks To
Tech

Domino's
Delivers Pizza By
Drone In New
Zealand

CFL Bulbs May
Come With Danger

Deuteron Mystery:
Much Smaller Than
Thought

Man-made
"Wind Trees" Will
Finally Make It
Possible To Power
Homes Using
Turbines

The 10 Top-Selling
Plug-In Vehicles In
The U.S.

ROBOTICS

No Sailors Needed: Robot Sailboats Scour The Oceans For Data

Harvard Scientists Develop Soft Robots That Can Camouflage Themselves

This New Robot Can Overcome Any Obstacle

Scientists Made Nanorobots That Can Release Drugs In The Body Using Mind-Control

AI Robots Can Now Read Human Emotions

Tiny, Soft Robotic Caterpillar Creeps, Climbs And Crawls

ASTRONOMY AND TECHNOLOGY

The Five Closest Exoplanets That Could Potentially Support Life

Falcon 9 Explosion Could Have Ripple Effects Across Space Industry

Exploration Team Shoots For The Moon With Water-Propelled Satellite

BIOLOGY AND TECHNOLOGY

Scientists Build A Laser Using Human Blood

Magnetic Bacteria Target Hard-to-treat Tumors

Battery You Can Swallow Could Enable Future Ingestible Medical Devices

UPCOMING TRADE SHOWS

Book an Appointment

Will you be attending one of these upcoming shows? Set up an appointment with us today!

IAEI Eastern	Sept/Oct 30-2	Springfield, MA
IAEI Southern	October 9-12	Birmingham, AL
FHEA	October 17-19	Orlando, FL
International Collaborative Robots	October 20	Cincinnati, OH
IEC	October 26-29	San Antonio, TX



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