

The logo features the NECA logo on the left, which includes a stylized wave and three stars. To its right, the text "North Florida Chapter" is in a white serif font, and "CONNECTION" is in a large, bold, white sans-serif font. The background is a dark blue gradient with a complex circuit board pattern of glowing blue lines and nodes.

NECA North Florida Chapter CONNECTION

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Upcoming Education Courses

Basic Estimating of Electrical Construction

This three-day course is designed for individuals looking to build foundational skills in electrical construction estimating. Participants will learn essential concepts such as take-offs, labor units, material pricing, bid preparation, and project management fundamentals. Whether you are new to estimating or looking to refresh your skills, this course provides practical knowledge to help you succeed.

June 24th - June 26th, 2025
8:00 a.m. - 4:00 p.m. each day

This meeting will be held at the North Florida NECA office in the upstairs training room.
North Florida Chapter NECA: 4951A Richard St. Jacksonville, FL 32207

RSVP by June 3rd, 2025

[RSVP Here!](#)

NECA Convention and Trade Show 2025: Chicago

SAVE THE DATE: Registration Opens Soon!

NECA Convention Registration Opens May 21st!

Mark your calendars— registration for the 2025 NECA Convention opens Wednesday, May 21st! Don't miss your chance to be part of the premier event for the electrical construction industry.

Registration Opens: May 21, 2025
Convention Location: Chicago, IL
More Details Coming Soon!

Housing will fill up quickly, so make sure to register early to get the best rooms in Chicago! Please do not hesitate to reach out to our office if you would like assistance with registration.



Legislative Update by Capitol Alliance Group



Our friends at the Capitol Alliance Group have put together a Legislative Update for our members as legislature wraps up their 2025 legislative session. This update reviews the current status of several bills that would affect NECA members, such as the bill on repealing the ECLB, the bill on apprenticeship funding, and the bill on construction liens.

Click the button below to read the full Legislative Update by Capitol Alliance Group

[CAG Legislative Update - 4/29/25](#)

Construction Safety Week 2025

In recognition of **Construction Safety Week 2025** and the **OSHA National Safety Stand-Down to Prevent Falls in Construction**, taking place **May 5–9, 2025**, the Safety Alliance—comprised of **TAUC, SMACNA, MCAA, and NECA**, is proud to announce the release of five new safety videos designed to spark conversation and reinforce critical safety practices across jobsites.

These videos are valuable tools for employers to utilize during toolbox talks, safety meetings, and stand-down events. The 2025 topics include:

- Elevated Work Platforms
- Ladder Safety
- Hand Injury Prevention
- Stop Work Authority
- Strains, Sprains, and Ergonomics

Construction Safety Week is a powerful reminder that safety is not seasonal— it's essential every day. For contractors, it's an opportunity to elevate jobsite standards, reinforce training, and invest in the well-being of their workforce. Ultimately, a safer jobsite leads to stronger teams, better business outcomes, and lives protected.



[Click here to view the videos on NECA's Safety Webpage!](#)

Codes and Standards Report

Normal Operating Condition: How to Keep the Message Clear

NFPA 70E uses the term “normal operation” to assess the risk of an arc flash hazard. Let’s look at the history of the above seven conditions, why they are important and how they are used as part of an arc flash risk assessment.



NFPA 70E uses the term “normal operation” to assess the risk of an arc flash hazard.

According to the 2024 Edition of NFPA 70E - 110.2(B) Exception No. 1: Normal operation of electric equipment is permitted where a normal operating condition exists. This requires that all of the following conditions are satisfied.

1. The equipment is properly installed
2. The equipment is properly maintained
3. The equipment is rated for the available fault current (NEW!)
4. The equipment is used in accordance with instructions included in the listing and labeling and in accordance with manufacturer’s instructions
5. The equipment doors are closed and secured
6. All equipment covers are in place and secured
7. There is no evidence of impending failure.

The concept of normal operation was originally introduced in response to another word: interaction. Before we go any further, let’s look at the history of the above seven conditions, why they are important and how they are used as part of an arc flash risk assessment.

2009—Arc flash hazard and interaction

Prior to the 2009 Edition of NFPA 70E, an arc flash hazard was considered to exist when there were exposed energized electrical conductors or circuit parts. However, the 2009 edition introduced the word “interaction” to address a possible increased risk of an arc flash when a person is interacting with the enclosed energized equipment in a way that could cause an electric arc. It further referenced that, under normal operating conditions, enclosed energized equipment that has been properly installed and maintained is not likely to pose an arc flash hazard. And, thus, the confusion began.

What does “interaction” mean? How can operating a switch result in an arc flash? What is a normal operating condition?

The addition of ‘equipment is rated for the available fault current’ is important to avoid a potentially dangerous situation with inadequately rated electrical equipment.

A frequent response regarding interaction was, “If someone interacts with equipment such as operating a switch, and the switch fails, and it creates a short circuit, and it results in an arc flash, and the doors blow open, and...” I quickly responded with: “Do you realize how many times you said ‘and?’” The more “ands” there are for an incident to occur, the lower the likelihood is.

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The addition of 'equipment is rated for the available fault current' is important to avoid a potentially dangerous situation with inadequately rated electrical equipment.

2015—List of conditions

The term "normal operation" remained a point of some confusion until the 2015 Edition of NFPA 70E when a list of five conditions was introduced for clarification. A new Table 130.7(C)(15)(A)(a), Arc Flash Hazard Identification, was also added to determine whether arc flash PPE is required. The table lists tasks such as normal operation of a circuit breaker, switch, contractor or starter. Depending on the task and satisfying the conditions, the table is used to identify whether arc flash PPE is required. If all five conditions are satisfied, the table indicated no arc flash PPE is required.

2018—Likelihood of occurrence

In the 2018 Edition, "no evidence of impending failure" was added as a sixth condition. Also, Table 130.5(C), Estimate of the Likelihood of Occurrence of an Arc Flash Incident, was introduced, replacing the Arc Flash Hazard Identification Table. This listed whether there was a "likelihood of occurrence" of an arc flash based on the specific task and the equipment being in either a normal or abnormal condition. Normal condition requires satisfying all six conditions.

2024—Available fault current

A seventh condition was added to the 2024 edition: The equipment is rated for the available fault current.

Isn't this new condition already addressed if condition one is met?

Condition one states, "The equipment is properly installed," which should mean the equipment is rated for the available fault current. The National Electrical Code requires equipment such as circuit breakers, panels, switchboards and others to have an interrupting rating at least equal to the available fault current. As part of the design and installation of the distribution system, a short-circuit study is often conducted based on data that includes the available fault current from the electric utility.

However, electric utility fault current can increase as the utility infrastructure expands to meet increasing electrical demand. Additions such as new substations can increase the available fault current. Although a facility's equipment might have been adequate when installed, it might not be years later if the utility short-circuit current increases.

The addition of "equipment is rated for the available fault current" is important to avoid a potentially dangerous situation with inadequately rated electrical equipment.

It's been a 16-year journey, but "normal operating condition" is much clearer than it was in 2009.

Article taken from Electrical Contractor Magazine by Jim Phillips, March 13, 2025

JATC Apprenticeship Reports

Jacksonville JATC

To the members of the North Florida Chapter of N.E.C.A. -

May 2025 has us at the Electrical Training Alliance of Jacksonville busier than ever! Our apprentices are wrapping up their courses and getting ready to take the Craft Certification exams to wrap up the year. The Foremanship Development Class completed April 16th with 12 journeyman wireman completing the course.

We have broken our previous six month record for submitted applications. Since November we received over 500 applications and we still have three weeks left before the May 15th deadline. If you know anyone who may be interested in beginning a career in the electrical trade, please have them visit our website at www.etajax.org to begin the application process.

As always, I am here to answer any questions you may have. Feel free to contact me if I can help with anything. On behalf of the Trustees of the Apprenticeship Committee, thank you for your continuing support.

Daniel Van Sickle
Apprenticeship and Training Director

Daniel McEachern
Assistant Training Director

Looking Forward

- **June 24th - 26th:** *Basic Estimating of Electrical Construction Class*
 - **July 14-16th, 2025:** *ELECTRI Summer Council Meeting in Toronto, Canada*
 - **August 6th, 2025:** *Davis-Bacon Act Class*
 - **August 26th, 2025:** *Membership Meeting*
 - **September 12-15th, 2025:** *NECA Convention & Trade Show in Chicago, IL*
 - **September 24th, 2025:** *Lien & Bond Claims Class*
 - **December 5th, 2025:** *Membership Meeting & Holiday Party*
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phone: 904-636-0663

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North Florida NECA | 4951 A Richard St. | Jacksonville, FL 32207 US

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