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Director's Message



Over the past thirty years, a number of organizations have published temperature severity guidelines for infrared inspections of electrical and mechanical components. When using these guidelines, a thermographer may compare the temperature of similar components under similar load to each other OR compare the temperature of a component to ambient air temperature. The

former of these approaches is recommended since ambient temperature can swing widely over time. Furthermore, it is often impossible to obtain an accurate ambient temperature for devices located within an enclosure once the enclosure has been opened for an infrared inspection.

One of the most conservative temperature guides can be found in the *Standard for Maintenance Testing Specifications*, published by the InterNational Electrical Testing Association headquartered in Portage, Michigan. According to the NETA MTS, temperature differentials greater than 15 Celsius degrees are categorized as, "Major discrepancy; repair immediately."

Other organizations publish less conservative temperature guidelines than the NETA MTS. Some guidelines require Delta T's of 70 Celsius degrees or higher to qualify as items of immediate concern. When setting temperature limits, one should remember that temperature differentials cannot be utilized to predict time to failure for an electrical device. Therefore, all thermal anomalies detected during an infrared inspection should be investigated and proper corrective measures undertaken as soon as possible.

FREE Online Courses

For a limited time, Infraspection Institute is offering two free online training courses. These courses are available through SuccessIRies™ – a series of web-based short courses for thermographers and inspection professionals. SuccessIRies™ courses are available 24/7 via an internet connection and cover a

Upcoming Courses

[Level I Certified Infrared Thermographer®](#)

- Mar 6 - 10 Kuala Lumpur
- Mar 6 - 10 Melbourne
- Mar 27 - 31 Monterrey
- Mar 30 - 31 Auckland*
- Apr 24 - 28 West Windsor
- May 4 - 5 Brisbane*
- May 18 - 19 Perth*
- Jun 12 - 16 West Windsor
- Jun 21 - 22 Sydney*
- Jun 26 - 30 Monterrey
- Jul 3 - 7 Melbourne
- Jul 17 - 21 West Windsor
- Jul 17 -21 Brisbane
- Jul 17 - 21 Kuala Lumpur
- Jul 22 - 26 Montreal

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- Mar 27 - 31 West Windsor
- May 1 - 5 Melbourne
- Jun 19 - 23 West Windsor

[Level III Certified Infrared Thermographer®](#)

- Jun 26 - 28 West Windsor

wide variety of topics.

Typically 30 to 60 minutes in length, SuccessIRies™ are narrated short courses that are the perfect way to keep abreast of the latest developments in the rapidly evolving field of thermography. SuccessIRies™ also meet continuing education requirements for professional inspectors.



Normally priced at \$79, [SuccessIRies™ 101, Infrared Thermography – What's Hot in PdM](#) and [SuccessIRies™ 102, Infrared Inspections for Home & Building Inspectors](#) are currently being offered for free. These courses provide an introduction to infrared thermography and how it is applied to a wide variety of applications. Both courses provide an excellent introduction to thermography.

[More Information](#)

Using RSS News Feeds to Boost Your Website Traffic

RSS feeds have become a means for automatically receiving information from web publishers on a wide variety of topics. RSS feeds can provide thermographers with up-to-the minute news and information on thermography and related PdM and NDT topics.



Thermographers who have a website can benefit from an RSS feed by having industry news and information automatically delivered to their website. This is accomplished via software programs called

“News Readers” or “RSS Aggregators.” By running your aggregator in automatic mode, it will periodically check the internet to see whether selected feeds have been updated. If the aggregator finds an update, it will download the updated information to your website. Visitors to your website can then click on headlines of interest to read the full story.

In addition to automatically providing content to your website, hosting an RSS feed can increase both your site traffic and its visibility. By using an RSS feed to update your website with timely, relevant information, your site can serve as a resource to your clients and is more likely to be favorably ranked by search engines.

Both [infraspection.com](#) and [irinfo.org](#) offer free news feeds. URLs for both feeds may be found by clicking on the “More Information” link below.

[More Information](#)

* Flexible Learning Course

[Full 2017 Schedule](#)

Upcoming Conferences

Infraspection Institute invite you to see us at the following upcoming conferences. Be sure to stop by and say Hello!

[Ultrasound World XIII](#)

May 9 - 12, 2017
Clearwater, FL

[UI Thermal Imaging Conference](#)

October 1 - 4, 2017
San Antonio, TX

[SMRP Conference](#)

October 16 - 19, 2017
Kansas City, MO

[IR/INFO Conference](#)

January 21 - 24, 2018
New Orleans, LA

Links of Interest

[IRINFO.ORG](#)

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Electronic documents such as standards, proposal templates, graphics, and the ASNT Compliant Written Practice are available for immediate download upon transaction approval.

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