



A Leader in Electric Motor Testing

# Tip Of The Week

January 11, 2021

## Welcome 2021

It's the beginning of a new year and time to remind ourselves once again of the need for an annual review of our caution and alarm setpoints. Annually reviewing these setpoints allows your analysts to make sure the setpoints are not too aggressive resulting in nuisance alarms, or too passive resulting in missed indications leading to unexpected failures. For MCEGold® users a good place to start is the Site Condition dashboard to see how many motors are in Severe or Caution Status. If a motor has been in a caution or severe status for an extended period of time we must ask if the alarm is being ignored, or does the setpoints need to change. A motor exhibiting a low near caution level measurement, but has been steady at that low value for many months or even years, is allowed a lower severity and often cleared for continued operation. In this case changing the alarm setpoint would be a good idea.

Although your equipment vendors should be keeping you abreast of industry standard changes, it is a good idea to check in with the high profile standards for any changes over the last year affecting your industry. For the electrical reliability industry IEEE, EASA, and NEMA are examples of high profile industry standards that your electrical reliability team should be aware of. For MCEMAX® users 2020 changes included:

EASA AR100-2020 standard with more than 40 revisions including changes in winding resistance imbalance and DC Armature insulation resistance limits. Visit [easa.com](http://easa.com) for a free downloaded copy.

IEEE standards committee members still gathered in virtual meetings in 2020, but there are no changes to speak of for now. We will keep you posted.

NEMA approves of the American Energy Innovation Act of 2020. Section 1042 directs the Secretary to establish a rebate program to encourage the replacement of energy inefficient electric motors.

To read all of last year's 2020 tips from PdMA Corporation visit the PdMA Website at [https://www.pdma.com/2020\\_PdMA-tip-week.php](https://www.pdma.com/2020_PdMA-tip-week.php)

You are invited to submit an Electric Motor Testing Tip of your own and receive a free PdMA® mug or hat if we publish it! Contact Lou at 813-621-6463 ext. 166 or [lou@pdma.com](mailto:lou@pdma.com).

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