

	<b>DEPARTMENT OF COMMERCE</b> National Institute of Standards and Technology National Voluntary Laboratory Accreditation Program	<b>ISSUE DATE:</b> February 13, 2023
	<b>LAB BULLETIN</b>	<b>NUMBER:</b> LB-148-2023  <b>LAP:</b> Efficiency of Electric Motors
<b>SUBJECT:</b> Addition of IEC 60034-2-3:2020 and IEC 61800-9-2:2017 to the Efficiency of Electric Motors Laboratory Accreditation Program (LAP)		

The purpose of this bulletin is to notify laboratories that additional methods have been added to the Efficiency of Electric Motors (EEM) LAP.

NVLAP is adding the following test methods to the Efficiency of Electric Motors laboratory accreditation program:

- IEC 60034-2-3:2020 - Rotating Electrical Machines - Part 2-3: Specific Test Methods for Determining Losses and Efficiency of Converter-fed AC Motors;
  - NVLAP will only accredit to testing defined in sections 6.2 and/or 6.3. NVLAP will not accredit to testing based on modeling defined in sections 6.4 and 6.5. Laboratories are expected to comply with all applicable sections of the standard whichever testing method is used.
- IEC 61800-9-2:2017 - Adjustable Speed Electrical Power Drive Systems - Part 9-2: Ecodesign for Power Drive Systems, Motor Starters, Power Electronics and Their Driven Applications - Energy Efficiency Indicators for Power Drive Systems and Motor Starters.
  - NVLAP will only accredit to testing defined in sections 7.7 and/or 7.9. NVLAP will not accredit to testing based on modeling defined in section 7.5. Laboratories are expected to comply with all applicable sections of the standard whichever testing method is used.

An onsite assessment is required to add either method to a scope of accreditation. This review can be performed as part of a biennial assessment, or an assessment can be scheduled specifically for the review of scope additions.

These methods are now available for selection in the NIWS Lab Portal. Laboratories interested in having these methods added to their scope of accreditation should access the lab portal and select the desired methods for addition.

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