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DEPARTMENT OF ENERGY, LABOR & ECONOMIC GROWTH
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Read Carefully!

IMPORTANT NOTICE TO ALL ELECTRICAL CONTRACTORS AND APPRENTICE ELECTRICIANS IN THE STATE OF MICHIGAN

Effective September 1, 2010 all electrical apprentices in the State of Michigan are required to be participating in an electrical training program approved by the Electrical Administrative Board (EAB). On February 6th, 2009 the EAB approved the Bureau of Construction Codes Electrical Division recommendation to utilize the United States Department of Labor Office of Apprenticeship (USDOLOA) for the registration of all approved electrical training programs. Initially the two main requirements are **1.) Electrical contractors that currently employ or anticipate the employment of electrical apprentices must register their companies with the USDOLOA 2.) Once an employer has registered with the USDOLOA they can set up their apprenticeship training program with the USDOLOA and register the apprentices under their employment.** Registration with the USDOLOA for electrical contractors and the apprentices they employ is **mandatory**. In order to process a State of Michigan apprentice registration or renewal the sponsoring employer ~~and the electrical apprentice~~ must first be registered with the USDOLOA. You can access information regarding registering with the USDOLOA by contacting the Michigan Apprenticeship Steering Committee Inc. (MASCI) at www.aboutmasci.org. The MASCI website will also have a list of approved training programs and contact information for related technical instruction (RTI) providers. Many of the community colleges, trades organizations, and labor organizations have electrical training programs that have been approved by the USDOLOA. **It is imperative that electrical contractors and apprentices comply with these requirements. Failure to do so will make an apprentice ineligible to sit for the journeyman electrician examination.** The electrical contractor could also face licensing action for allowing individuals to perform electrical wiring under their contractor's license that are not properly licensed or registered as required by PA 217 of 1956.

Each electrical apprentice must be participating in an academic program of not less than 576 hours of related technical instruction (RTI). Many programs approved by the USDOLOA are in excess of the minimum 576 hours. All electrical apprentices will be required to submit documentation as part of their journeyman examination application documenting a minimum of 144 hours for each academic year. A total of up to 1000 RTI hours accrued through approved electrical apprenticeship training programs can be credited towards the requirements to sit for the journeyman electrician examination.

Providing for Michigan's Safety in the Built Environment

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To qualify to sit for the State of Michigan journeyman electrician examination an electrical apprentice must attain 8000 hours of experience and RTI in not less than 4 years working for and employed by an electrical contractor licensed under the provisions of PA 217 of 1956, be registered with the USDOLOA and participating in an approved electrical apprentice training program, and be registered with the State of Michigan Bureau of Construction Codes for all 4 years of apprenticeship.

Electrical training programs may vary somewhat to reflect the work of the employer and/or program sponsor however there are specific courses of RTI that must be included in the core of all electrical apprenticeship training programs. The minimum 576 RTI hours shall consist of 450 core hours. The core hours must be attained while the apprentice is sponsored by an employer. The remaining 126 hours of RTI shall consist of other course offerings that are part of an electrical training program approved by the USDOLOA and the Electrical Administrative Board. Course selections are to be made by the student or employer/sponsor to reflect educational needs of apprentices based on the student's needs or the sponsor's focus of work.

The purpose of the RTI is to provide appropriate classroom training to all electrical apprentices. ~~This training~~ along with on the job experience will benefit electrical apprentices by supplying them with the knowledge necessary to work safely in the electrical industry. In addition, electrical apprentices will be better prepared to pass electrical licensing examinations. Further, the overall electrical apprentice training program will make electrical apprentices more valuable to employers who demand skilled and knowledgeable workers. The method of RTI delivery may vary with the RTI provider, such as modular, on-line, distance learning or a traditional classroom setting. The RTI provider must meet the USDOLOA apprenticeship training program standards. RTI will be quantifiable and tracked. As stipulated above the core training hours required as part of an approved electrical apprenticeship program must be earned while the electrical apprentice is in the 4 year electrical apprentice registration cycle.

The MASCI website will be a valuable resource for information regarding these new requirements. If you have reviewed the information on the MASCI website and have further questions related to electrical contractor and apprentice registration with the USDOLOA you can contact the USDOLOA by e-mail at sponsorinfo@aboutmasci.org or by phone at (517) 377-1746.

Electrical apprentices currently registered with the State of Michigan will receive this notification in their renewals shortly. Before returning the registration it will be necessary for both electrical contractors that employ apprentices and electrical apprentices to register with the USDOLOA. It can not be overstated that there are serious consequences for electrical contractors and electrical apprentices that do not comply with the statutory requirements. This process will take the cooperation and effort of all involved. The electrical industry and the people of the State of Michigan will be better served for our efforts. Thanks in advance for your patience and

cooperation.

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Below is a list of courses and hours that may be included as part of an electrical training program. Courses other than those listed below are acceptable if the program has been approved by the USDOLOA and the Electrical Administrative Board. Areas of instruction that are part of the 450 core hours of training are indicated by the hours required adjacent to the course category. Core hours must be completed while an apprentice is attending an apprenticeship training program approved by the USDOLOA and the Electrical Administrative Board.

	<u>Hours</u>		<u>Hours</u>
Basic HVAC		Material Identification	10
Branch Circuit Distribution	45	Mathematics	30
Blueprint reading	10	Motor Controls	60
Circuit Diagram Interpretation		Motors	30
Communications/Technical Writing		National Electrical Code	60
Conduit Fabrication		OHSA/Safety Awareness	10
Digital Electronics		Overcurrent Protection	30
Distributed Control/Process Control		Programmable Controllers	15
Electrical Theory	60	Remote Control Wiring	
Electrical Grounding	30	Residential Control Systems	
Electronics			
Entertainment/Sound Systems		Security Systems	
Fiber Optics		Systems Analysis, Repair & Certification	
Fire Alarm Systems	15	Telecommunication Systems	
		Instrumentation	
Industry Orientation (Michigan Laws & Rules)	15		
		Tool Identification	
Intelligent Wiring Systems		Transformers	30
Job Information		Video Distribution	
Lightning Protection Systems			
Local Area Network Systems			
Low Voltage Systems			

If you have reviewed the information on the MASCI website and have further questions feel free to contact the Electrical Division at (517) 241-9320.

Dan O'Donnell, Chief
Electrical Division