

Orientation

Congratulations on competing in the *13th Annual Nova Scotia Skills Competition*. This competition will give you the opportunity to show your abilities, skills and workmanship in the trade of *AUTOMATION & CONTROL (Industrial wiring)*. The competition will challenge your knowledge of electrical installations, drawings, control systems, logic controller programming and the aptitude to be a skilled tradesperson.

The winner of this provincial competition will have the opportunity to represent *Nova Scotia* at the

16th Canadian Skills Competition in Waterloo, Ontario on May 20 - 23, 2010.

Do your best and enjoy your experience at this competition!

The document package provided contains all the information regarding the competition. The contest will consist of wiring a switch-type NEMA combination starter panel to control the operation of two motors. The motor starters will be controlled by a MicroLogix 1000™ programmable logic controller (*PLC*). The *PLC* program (code) must be developed by the competitor and proven to operate the motors according to specifications provided. The function of the assigned project and all drawings necessary to complete the project are provided to each competitor. The assigned project should be completed as specified in the drawings and documents provided. *Competition evaluation information is provided with your information package.*

You will be assigned (*by a draw*) a workstation at which you will complete your project. If you have any questions concerning your project or the documentation provided, please consult one of the competition judges. You are not permitted to discuss your project with any of the other competitors or coaches. Failure to comply with the competition rules could result in disqualification, and you will not be permitted to continue with the competition.

All competitors must work in a "safe" and orderly manner. Competitors who commit safety violations or uses tools, materials, and test equipment improperly will lose points when these elements are evaluated during the competition.

The competition *judges* will be observing your work habits and will be recording any infractions that occur. *Keep your work area neat and tidy at all times* to prevent possible accidents to you or to others in the competition area. Trash containers are provided for disposing of all trash.

If you have to leave the competition area you must advise one of the judges before you leave and when you return. There must be no conferring with other persons outside the competition area, and coaching from teachers, advisors or friends is prohibited during the competition period.

When you have completed your project, clean up your work area and place all trash in the containers provided. Notify the judges that you have completed your project. *All documentation must be left with completed project.* You will be required to leave the competition area when you confirm you have completed your project or time has expired. The final judging process will commence when a competitor has completed the project or the time set for the competition has elapsed.

Each competitor is provided the same competition information package containing all instructions required for the competition. You will be expected to complete the project according to the information provided. *Carefully read all documentation and drawings provided.* All the information provided should make it possible for you to complete the project.

"The winner is the competitor who accumulates the most points out of the maximum points possible." In the event of a tie in the evaluation, the winner will be declared based on the amount of the project completed and the workman-ship evident in the project.

Use you time efficiently to complete as much of the project as possible. *At past competitions competitors have been able*