

2010 Provincial Skills Canada Competition

Scope Document

Edmonton Expo Centre

May 12 & 13, 2010

EVENT: Welding	LEVEL: Secondary
START TIME 11AM DAY ONE: ORIENTATION: 11AM-11:30AM LUNCH 11:30 – 12 NOON COMPETITION: 12:00am-3:30pm DAY TWO: ORIENTATION: 9:30am COMPETITION: 9:30am-12:15pm	LOCATION: Hall A, Edmonton Expo Centre
THEORY EXAM: NO	
WORLDSKILLS TRADE #: 10	REGIONALIZED EVENT: Yes

GENERAL DESCRIPTION

To enable competitors to demonstrate their knowledge & skill of welding and oxy-fuel cutting principles.

RELATED CAREER AND TECHNOLOGY STUDIES MODULES

Descriptions of all modules are located at the following website:

<http://www.education.gov.ab.ca/cts/fabricat/>

SAFETY REQUIREMENTS REQUIRED BY COMPETITOR

* Competitors **must** bring the below safety requirements or will not be allowed in the competition area.

- Work boots (CSA leather steel toed work boots)
- Side shields required for prescription eye glasses
- Welding Helmet
- Welding Gloves
- Cutting goggles # 4 & 5 lens
- Appropriate clothing (100% cotton coveralls recommended)
- Long sleeve denim shirt or jacket, 100% cotton
- Competitors are required to follow all industry safety standards during the competition

Competitors will be supplied with the following PPE at the event site:

- Safety Glasses
- Ear Plugs

Competitor tools will be limited to the following:

pipe liner files	wire brush	vice grips/pliers
magnets	Imperial/metric tape measure	Striker
tri square	centre punch	tip cleaners
cold chisel	soap stone	Hammer

PURPOSE OF CHALLENGE:

To enable competitors to demonstrate their knowledge & skill of welding and oxy-fuel cutting principles.



JUDGING CRITERIA

safety	stray arcs	measurements
weld size	undercut	dimensions
penetration	regularity of kerf	following instructions
overall appearance	fit – up	

IMPORTANT GENERAL INFORMATION

Tie Breaking Procedure

Safety Requirements

Clothing Requirements (if applicable)

SCHEDULE

Competitors will be required to complete a (6) hour project over two days as follows:

(Day 1) consists of (0.5) hours of orientation and (3.5) hours of competition. Orientation will be from 11am- 11:30am. Competition will be from 11:30am to 3pm

(Day 2) consists of (.25) hours of orientation(2.5) hours of competition. Orientation will be from 9:30am – 9:45am. Competition will be from 9:30am to 12:15pm.

ADDITIONAL NOTES

Provincial skills competitors should be prepared to apply their theory knowledge in layout and drawing interpretation to complete a 6 hour practical project which may include but not limited to the following tasks:

Oxyacetylene cutting

SMAW- 1G plate root E6010 1/8,E4310 3.2mm fill and cap E7018 3/32 or 1/8,E4918 2.5mm or 3.2mm

Fillets- 2F, 3F,E7018- 3/32”, E4918 2.5mm

GMAW- 2F and 3F (vertical up/down)

COMMITTEE MEMBERS

Adam Medrek
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Brad Hollman
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Fred Duffy
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Ken Heather
Kevin Vadori
Robert Shaw
Ken Loudwig
Mike Baron
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Advanced Education
Falcon Welding
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