

Skills Canada National Competition

SCOPE DOCUMENT

| SCOPE DOCUMENT | |
|-----------------------------|------------------------------|
| Competition Year | 2012 |
| Competition location | Edmonton, AB |
| Trade Number | 24 |
| Trade Name | Cabinetmaking |
| Level | Secondary and Post-Secondary |

1. INTRODUCTION

1.1 Purpose of the Challenge.

To assess and promote the contestant's knowledge and skills in cabinet making by building a project from a drawing provided.

1.2 Duration of contest.

12 hours

1.3 Skills and Knowledge to be tested.

- Working properties of wood and use of other materials such as veneer, fibreboard, particleboard, plywood, adhesives, abrasives, hardware, metal fastenings.
- Construction of cabinetry product.
- Compliance with safety regulations and use of safety equipment.
- Technical drawings are metric.

2. CONTEST DESCRIPTION

2.1 List of documents produced and timeline for when competitors have access to the documents.

| DOCUMENT | DATE OF DISTRIBUTION VIA WEBSITE |
|--------------------|----------------------------------|
| Technical Drawings | February 1 st , 2012 |
| 2011 Instructions | February 1 st , 2012 |

2.2 Tasks that may be performed during the contest

- Set-up and safe operation of woodworking machines, portable power tools and hand tools.
- From the drawing provided, demonstrate handwork, machining, sanding and assembly techniques in the building of a project to a professional standard.
- During competition all material, equipment, plans and work must remain on site.
- No wood putty may be used at any time during the competition.
- Must read and interpret drawings and documentation provided.
- Secondary and post-secondary competitors will use different materials.
- Post-secondary will be required to cut and match veneers.

3. EQUIPMENT, MATERIAL , CLOTHING

3.1 Equipment and material provided by Skills/Compétences Canada

- Table saws c/w blades
- Mitre saws
- Project specific jigs
- Routers
- Work benches with vises
- Band saws
- Drill presses
- Edge sanders
- Bar clamps
- All project materials (wood, glue, dowels, sandpaper etc.)
- Portable power tools
- Mortising machines
- Dust collectors

3.2 Equipment and material provided by the competitor

- Screwdriver bits (Robertson #4 screws)
- Tape measure (**with metric**)
- Combination square/Tri-square
- Hammer or wood mallet – not rubber
- Block plane
- Sanding block
- Chisels (1/4", 1/2", 3/4", 1")
- Pencils and eraser, calculator
- Drill bits (set of 1/16" to 3/8")
- Sliding T-bevel
- Marking gauge

- Dovetail or back saw
- Screwdrivers (basic set) 0, 1, 2 Robinson drivers
- $\frac{3}{8}$ " dowel jig and Dowel centres
- Masking tape
- Utility knife
- Cabinet Scraper
- Veneer knife/saw (post secondary only)
- 4C 6" deep clamps or quick grip clamps

Note:

- Contestants may bring any other hand tools they use on a regular basis, but must have them approved by the National Technical Committee at the orientation session
- No portable power tools accepted
- No pre-made project-specific jigs or tooling will be permitted

3.3 Required clothing provided by competitor

- Contestants must supply and wear the appropriate clothing (no muscle shirts, shorts etc)

4. SAFETY REQUIREMENTS

4.1 List of required personal protective equipment(PPE) provided by competitors

- | | | |
|--|---|--|
| <input checked="" type="checkbox"/> Safety Glasses | <input checked="" type="checkbox"/> CSA approved Safety shoes | <input type="checkbox"/> Latex gloves |
| <input type="checkbox"/> Safety Gloves | <input type="checkbox"/> Welding helmet | <input type="checkbox"/> Dust Mask |
| <input type="checkbox"/> Hard Hat | <input type="checkbox"/> Welding gloves | <input type="checkbox"/> Leather gloves |
| <input checked="" type="checkbox"/> Hearing protection | <input type="checkbox"/> Respiratory protection | <input type="checkbox"/> No PPE required |

4.2 List of required personal protective equipment(PPE) provided by Skills/Compétences Canada (SCC)

- | | | |
|---|--|---|
| <input type="checkbox"/> Safety Glasses | <input type="checkbox"/> CSA approved Safety shoes | <input type="checkbox"/> Latex gloves |
| <input type="checkbox"/> Safety Gloves | <input type="checkbox"/> Welding helmet | <input type="checkbox"/> Dust Mask |
| <input type="checkbox"/> Hard Hat | <input type="checkbox"/> Welding gloves | <input type="checkbox"/> No PPE required |
| <input type="checkbox"/> Hearing protection | <input type="checkbox"/> Respiratory protection | <input checked="" type="checkbox"/> No additional PPE will be supplied by SCC |

5. ASSESSMENT

5.1 Point breakdown

| POINT BREAKDOWN | /1000 |
|--|-------|
| Safety/Work habits | 50 |
| Conformance with specifications & accuracy of measurements | 200 |
| Quality of joints – marked before gluing | 200 |
| Quality of assemblies | 150 |
| Quality of sanding | 150 |
| Squaring | 100 |
| Fitting/Operation | 100 |
| Material usage | 50 |

6. ADDITIONAL INFORMATION

6.1 Consecutive translation

If consecutive translation is required on site, the Skills/Compétences Canada Provincial/Territorial offices must advise Skills/Compétences Canada National Secretariat a minimum of 1 month prior to the competition or this service might not be guaranteed.

6.2 Software requirements

If French software is required the Skills/Compétences Canada Provincial/Territorial offices must advise Skills/Compétences Canada National Secretariat a minimum of 1 month prior to the competition or this software might not be guaranteed.

6.3 Computer keyboard requirements

English Keyboards will be provided, if a French keyboard is required the Skills/Compétences Canada Provincial/Territorial offices must advise Skills/Compétences Canada National Secretariat a minimum of 1 month prior to the competition or this keyboard might not be guaranteed.

6.4 Tie (No ties are allowed)

If a competition results in a tie, the projects involved will be re-evaluated on a half point basis for conformance to Drawings & Accuracy of measurements.

6.5 Competition rules

Please refer to the competition rules for all general SCNC information.

7. NATIONAL TECHNICAL COMMITTEE MEMBERS

| Region | Name | Email address |
|---------------------|-----------------|--|
| Pacific Region | Gerry Quarton | gerry.quarton@yesnet.yk.ca |
| Western Region | Mich Williams | mwilliams@wsd1.org |
| Ontario | Mark Bramer | mbramer@conestogac.on.ca |
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| Workshop Supervisor | Mick McGowan | mick.mcgowan@sait.ca |