



# **TERRITORIAL COMPETITION**

## **CONTEST DESCRIPTION DOCUMENT**

### **24- Cabinetmaking Secondary & Post-Secondary Level**

**(NOTE: Scope may change without notice)**

#### **PURPOSE OF THE CHALLENGE**

**DURATION: 12 HOURS**

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

#### **SKILLS AND KNOWLEDGE THAT MAY 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

#### **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

## ESSENTIAL SKILLS

Essential skills are used in nearly every job to varying degrees. They provide a foundation for learning all other skills and enable people to evolve with their jobs and adapt to workplace change. Good Essential Skills will help you understand and remember concepts introduced in technical training. The level of Essential Skills required for most trades is as high or higher than for many office jobs.

Of the nine skills that have been identified and validated as key essential skills for the workplace, this contest involves the following:

- |                                     |                     |                                     |                    |                                     |                     |
|-------------------------------------|---------------------|-------------------------------------|--------------------|-------------------------------------|---------------------|
| <input type="checkbox"/>            | Continuous Learning | <input checked="" type="checkbox"/> | Numeracy           | <input checked="" type="checkbox"/> | Thinking            |
| <input type="checkbox"/>            | Digital             | <input type="checkbox"/>            | Oral Communication | <input type="checkbox"/>            | Working with Others |
| <input checked="" type="checkbox"/> | Document Use        | <input type="checkbox"/>            | Reading Text       | <input type="checkbox"/>            | Writing             |

## EQUIPMENT, TOOLS, AND SUPPLIES

### Provided by the competitor:

- Assorted screwdriver bits
- 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")
- 2 files (round and flat)
- Marking gauge
- Dovetail or back saw
- Screwdrivers (basic set) 0, 1, 2 Robinson drivers
- Dowel jig and dowel centres
- Masking tape
- Utility knife
- Cabinet Scraper
- Veneer knife/saw
- 4 - 12" deep clamps or quick grip clamps

Contestants may bring any other hand tools they use on a regular basis, but must have them approved by the Territorial Technical Chair at the orientation session. Competitors are NOT to bring power tools or pre-made project-specific jigs or tooling.

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

**Provided by the committee:**

- Table saws c/w blades
- Mitre saws
- Band saws and band saw blades
- Router tables
- Edge sander and required belts
- Drill Presses
- Mortising machines
- Portable power tools
- Routers
- Orbital Sander 5" with sandpaper
- Biscuit joiner with appropriate biscuits
- Portable drill
- Vacuum Bags
- Dust collector
- Work benches with vises
- All project materials (wood, glue, dowels, sandpaper etc.)
- Project specific jigs
- Bar clamps
- Wood glue
- 6" glue roller and glue roller tray
- Toggle clamps

## **SAFETY REQUIREMENTS**

Failure to comply with safety regulations may result in disqualification or removal of the competitor from competition.

**Personal protective equipment (PPE) provided by the competitors:**

- Hearing protection
- CSA approved Safety shoes
- Safety Glasses

## SCORING / POINT BREAKDOWN

Each competition station will have a stated maximum available point score. The actual point scores from each station will be added up to calculate an individual competitor's final total score for the competition. In the event of a tie, the written exam mark will be used to determine the winner.

Dimensions and conformity	20
Joints before gluing	20
Joints after gluing	20
Quality of sanding and surfaces	10
Squareness	10
Details fitting and operation	10
Safety and work habits	5
Material usage and sustainability	5
POINT BREAKDOWN	/100

## TECHNICAL COMMITTEE MEMBERS - JUDGES

### **Roger Nendsa- Technical Chair**

Ideal Woodwork, Yellowknife

867-444-8274

Judges- TBA