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2018

SCNC

SKILLS CANADA
NATIONAL COMPETITION

OCMT

OLYMPIADES CANADIENNES
DES MÉTIERS ET
DES TECHNOLOGIES



skillsCompétences
Canada
Edmonton2018

CONTEST DESCRIPTION / DESCRIPTION DE CONCOURS

CARPENTRY CHARPENTERIE

SECONDARY AND POST-SECONDARY /
NIVEAUX SECONDAIRE ET POSTSECONDAIRE



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1. THE ESSENTIAL SKILLS FOR CAREERS IN THE SKILLED TRADES AND TECHNOLOGY

SCC is currently working with Employment and Social Development Canada (ESDC) in order to bring awareness to the importance of Essential Skills that are absolutely crucial for success in the workforce. Part of this ongoing initiative requires the integration and identification of Essential Skills in contest descriptions, projects, and project documents. The next phase and very important aspect of our Essential Skills (ES) initiative is to provide an ES report card to each competitor at the Skills Canada National Competition. The purpose of the ES report card is to inform the competitor about their current level of essential skills based on their competition scores. With this knowledge, the competitor will be made aware which essential skill may require improvement. Full implementation is expected in the next Skills Canada National Competition.

The following 9 skills have been identified and validated as key essential skills for the workplace in the legend below:

¹Numeracy, ²Oral Communication, ³Working with Others, ⁴Continuous Learning, ⁵Reading Text, ⁶Writing, ⁷Thinking, ⁸Document Use, ⁹Digital

These essential skills have been identified with in section 2.3 and/or 3.2 of your Contest Description. The top three Essential Skills for your area of competition have been identified on your Project and all other supporting project documents.

2. CONTEST INTRODUCTION

2.1 Description of the associated work role(s) or occupation(s).

<http://skillscompetencescanada.com/en/skills/construction/carpentry/>

2.2 Purpose of the Challenge.

Assess the contestant's ability to accurately and safely complete certain carpentry tasks using generally accepted carpentry practices.

2.3 Duration of contest.

12 hours. Day one, 7 hours and Day two, 5 hours

2.4 Skills and Knowledge to be tested.

- Quality, accuracy, and attention to detail while performing tasks necessary to complete project.
- Site housekeeping
- Ability to safely work to deadline.⁷
- Pre-requisites: Work planning skills, ability to interpret plans and specifications includes (elevations, sections and details), ability to do trades math¹, and proficiency in the safe use of hand and power tools.

3. CONTEST DESCRIPTION

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

DOCUMENT	DATE OF DISTRIBUTION VIA WEBSITE
Test Project (isometric)	January, 2018

3.2 Tasks that may be performed during the contest

- Project is to be built in metric measurement (plans ⁸ will be metric only)⁷
- Measuring and laying out components¹
- Cutting material
- Assembly of components
- Construction to be traditional framing methods
- Construction may consist of floor, wall, roof systems and finishing⁷

*Essential Skills – ¹Numeracy, ⁷Thinking (Job Task Planning and Organizing, Problem Solving),
⁸Document Use*

4. EQUIPMENT, MATERIAL, CLOTHING

4.1 Equipment and material provided by Skills/Compétences Canada

- 6 1/2" Cordless Circular Saws
- Cordless Drill & Impact Driver
- Cordless Jig Saw and blades
- 2 saw horses will be provided for each competitor
- Minimum 6 foot step ladder available
- All required building material and fasteners
- Premium Quick Square
- 8m/26ft Fat Max Tape
- Battery 20V
- Block Plane
- 1" dia x 6" wood spade bit
- Impact driver bits
- 3/8" HSS brad point drill bits

COMPETITORS WILL BE REQUIRED TO USE THE MATERIAL AND EQUIPMENT PROVIDED BY SCC. ALL OTHER MATERIAL AND EQUIPMENT WILL BE REMOVED FROM THE SKILL AREA.

4.2 Equipment and materials provided by the competitor

Equipment recommended but not limited:

- Carpenter's belt or apron
- Measuring tape (metric)
- Calculator (programmable allowed)
- Lead pencils and erasers
- Carpenter's hammer(s)
- Metric Framing square and stair gauges
- Combination square/speed square
- Chalk line
- Utility knife with blades
- Sanding block and 2 sheets 80 and 120 grit sand paper
- #2 bit driver for drill (for #8, #10 Robertson screws)
- Cross cut hand saw
- Wood chisels
- Sliding T-bevel
- Cat's paw (nail puller)
- Pair of 24" speed clamps
- Nail sets

4.3 Required clothing provided by the competitor.

- Appropriate clothing for tasks to be performed

5. SAFETY REQUIREMENTS

5.1 Safety workshop

Upon arrival at the Skill area, Competitors will participate in a Safety workshop and they will be expected to work and maintain a safe working area during the competition. Any Competitor breaking any health, safety and environmental rules, may be required to undertake a second safety workshop, this will not affect the Competitor's competition time.

5.2 List of required personal protective equipment (PPE) provided by Skills/Compétences Canada.

- N95 Respirators
- Hearing Protection

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

- CSA approved steel toed boots
- Hard Hats
- Safety glasses (mandatory to be worn at all times)

Note: Competitors will not be allowed to compete if the above items are not brought and used with the exception of respiratory protection and gloves which is optional.

6. ASSESSMENT

6.1 Point breakdown

POINT BREAKDOWN	Secondary /100	Post-Secondary /100
Safety	5	5
Floor framing	15	15
Trim and finishes	25	25
Roof framing	30	30
Exterior structure	20	20
Efficient use of materials/Professionalism	5	5

7. CONTEST SPECIFIC RULES

Contest specific rules cannot contradict or take priority over the Competition Rules. They do provide specific details and clarity in areas that may vary from contest to contest. Any additional contest rules will be reviewed during competitor orientation.

TOPIC/TASK	CONTEST SPECIFIC RULE
Project / Documentation	<ul style="list-style-type: none"> • Competitors will not be allowed to bring pre-made jigs and/or templates to the skill area • Competitors will not be allowed to bring notes made outside of the competition area and break or lunch time will not be allowed inside the skill area • The Blueprints for the Tests Project will be given to the competitors in writing on the first morning of competition. • The Blueprints must remain face down at the beginning of each day and after lunch until the start is called. • The Blueprints will remain in the skill area at all time • The Blueprints will be return to National Technical Committee (NTC) during lunch and at the end of each day of competition • The Blueprints will be numbered to match competitor's identification. Each competitor will have their original drawings returned to them • Competitors are strictly prohibited to take any photos or make copies of the Blueprints. Competitors may be expelled from the skill area if caught taking pictures.

Schedule	<ul style="list-style-type: none"> • Competitors who complete their project before time runs out, are required to clean up their area and return their Blueprints to an NTC to have their time recorded • Competitors will be required to help with ½ hour cleanup of tools, materials and skill area at end of day 2
Leaving the site	<ul style="list-style-type: none"> • Competitors, NTC, judges and interpreters are required to sign in and sign out if they leave the skill area for any reason outside of breaks and lunch
Tools / Infrastructure	<ul style="list-style-type: none"> • Competitors will be allowed time to check their materials for quantity (as per competition materials list) and quality prior to the contest. If material is missing or wish to exchange a piece of wood, competitors must advise an NTC member. • Competitors must plan the use of their materials carefully. Competitors will be provided with just enough material to complete the project • Marks will be deducted if Competitors require extra material • Marks will not be deducted for natural defects in the material • All materials must remain inside the marked construction area of each competitor • Competitors will have a maximum of 2 batteries at their construction station at any time • Batteries shall be exchanged as needed at the charging station • Extra blades for Circular & Jig Saw will be provided at request
Use of technology - personal laptops, tablets and mobile phones	<ul style="list-style-type: none"> • Competitors are not allowed to bring personal laptops tablets or mobile phones into the skill area • National Technical Committee (NTC) members, Interpreters and judges are allowed to use personal devices into the skill area with permission of the Chair

8. ADDITIONAL INFORMATION

8.1 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.

8.2 Tie (No ties are allowed)

In the event of a tie, the competitor with the highest score in the safety criteria will be declared the winner. If a second tie occurs, the competitor who finished their project in the smallest amount of time will be declared the winner. If a third tie occurs, the competitor with the highest score in the efficient use of materials/professionalism criteria will be declared the winner.

8.3 Test Project change at the Competition

Where the Test Project has been circulated to Competitors in advance, NTC shall change a maximum of 30% of the work content. Please refer to the Competition Rules.

8.4 Competition rules

Please refer to the [competition rules](#) of the Skills Canada National Competition.

9. NATIONAL TECHNICAL COMMITTEE MEMBERS

Member Organization	Name
British-Columbia	Randy Callaghan
Northwestern Territories	Mike McCloskey
Yukon	Cory France
Alberta	Anthony Lovell
Saskatchewan	Cory Mohr
Manitoba	Neil MacDonald
Nunavut	Gerald Manning
Ontario	Herb Grootenboer
Québec	Justin Morin
New Brunswick - Chair	Steven Austin
Prince Edward Island	Donnie Brown
Nova-Scotia	Arno Raymakers
Newfoundland	Shauna Sutton

Contact the Skills/Compétences Canada national secretariat for any questions or concerns: Marilou Leduc (mariloul@skillscanada.com).