



SCNC
SKILLS CANADA
NATIONAL
COMPETITION



OCMT
OLYMPIADES
CANADIENNES
DES MÉTIERS
ET DES
TECHNOLOGIES



SkillsCompétences
Canada
Halifax2019

CONTEST DESCRIPTION / DESCRIPTION DE CONCOURS

LANDSCAPE
GARDENING
AMÉNAGEMENT
PAYSAGER

POST- SECONDARY / NIVEAU 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 in your Contest Description and if application, in your Project and supporting documents.

2 CONTEST INTRODUCTION

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

<http://skillscompetencescanada.com/en/careers/construction/landscape-gardening/>

2.2 Purpose of the Competition.

To evaluate the expertise of future landscape horticulturists in layout, construction and installation of hardscape and softscape elements.

2.3 Duration of contest.

12 hours

2.4 Skills and Knowledge to be tested

The technical skills that will be tested are: interpreting and executing construction plans⁸, accurately scaling measurements and setting dimensions on site and using vertical measurement techniques¹. Competitors may also cut, shape and set natural or manufactured materials such as stone, concrete pavers and wood materials to build walls, screens, fences, patios, walkways, and steps. Additional skills to be tested include cutting, filling, and leveling aggregate material and planting media; installing trees, shrubs, perennials, annuals or sod, and other elements.⁷

Essential Skills – ¹Numeracy, ⁷Thinking (Problem Solving, Critical, Job task planning & organizing), ⁸Document Use

3 CONTEST DESCRIPTION

No more than one team of two competitors will represent each provincial or territorial entry. Each team must layout and build a landscape construction project as described by provided construction plans and details. The test project will involve preparing and installing various materials, such as natural stone, precast concrete, wood, planting media, mulch, plants and other landscape elements.

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

DOCUMENT	DATE OF DISTRIBUTION VIA WEBSITE
Test Project	January 2019

3.2 Tasks that may be performed during the contest

- Elements to be included in the construction plans:
 - Paving units
 - Planting
 - Walls, retaining walls
 - Wood construction
 - Accent element (water feature and/or lighting)
 - Turf
 - The planting and paving elements are compulsory components. Planting must occupy at least 40% of the total construction site surface. All of the 6 components listed above will be chosen for the test project.

4 EQUIPMENT, MATERIAL, CLOTHING

4.1 Equipment and material provided by Skills/Compétences Canada.

- Work Space Installation
 - Each competition team will have a work space and storage space
 - The construction area must have clearly defined benchmark for vertical measurements. Each team's construction area will have been previously filled and compacted with granular materials and/or planting media, as much as possible within 100 mm of finished grade perimeter.
 - Each team will have equal, fair access to their site
- Husqvarna portasaw ms 360 c/w stand
- Exacto knife blades
- 18v self-leveling rotary laser package
- Digital laser detector c/w clamp
- 18v spare battery for laser
- Construction grade rod
- 10" compound sliding miter saw, c/w tables
- 10" 80T precision trim blade
- Circular saw 7.25" (20v) c/w blade
- 7.25" 40T precision finish blade
- Impact drill (20v)
- 48" carpenters' level
- 18"x24" building square

4.2 Equipment and material provided by the competitors.

- Rubber mallet or deadblow hammer - 2 per team
- Sledge hammer, 3 or 4 lb - 2 per team
- Masonry hammer-stone working - 2 per team
- Carpenters hammer-'straight claw' - 2 per team
- Wood and stone Chisels, assorted - 6 per team
- Saw-hand saw - 2 per team
- Combination Square/Speed Square 12 - 16 inch combination - 2 per team
- Carpenter's square - 2 per team
- Chalk Line
- Marking utensils - 10 per team
- Masonry string - 50 ft. roll-2 per team
- Torpedo level - 2 per team
- Carpenters level (2 ft.) -2 per team
- String Level - 2 per team
- Wood clamps (6"-10")
- Tape measures-metric & imperial (25 feet) - 2 per team
- Utility knife and extra blades - 2 per team
- Sandpaper with block or holder 6 sheets per team

- Masonry Trowels - 2 per team
- Drill bits - assorted
- Screw driver bits assorted
- Hand brush
- Wire cutters/wire strippers

Note: Any tool not listed must be approved for use by the National Technical Committee (NTC). A written application (or email) to Skills/Compétences Canada national secretariat must be submitted at least 1 month before the competition start. Teams are not required to bring all listed tools but may choose to bring what they feel is appropriate for the competition.

4.2.1 Toolboxes Guidelines

One of the objectives of SCC is the sustainability of the Competition. As a result, the toolboxes brought by Competitors will be restricted to the following maximum specifications.

The Competitor toolbox must not exceed 1.25 meters³ in volume. It can be multiple toolbox but the total of all toolbox, must not exceed the maximum volume indicated. There is no exception to this rule. If the Competitor toolbox is larger than what is indicated, the Competitor with the guidance of the NTC, will need to remove items from the toolbox and those items will not be used during the competition.

4.3 Required clothing provided by the competitors.

- Long pants of durable quality in working condition for duration of competition
- Long-sleeved shirt (Not tank tops)
- Additional clothing appropriate for weather conditions
- Loose clothing not permitted (i.e. Hoodies with strings)
- No loose jewellery or rings
- No long loose hair

Note: Your skill area for SCNC 2019 **may** be hosted outside. Come prepared for any weather conditions and dress accordingly.

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 Personal protective equipment (PPE) provided by Skills/Compétences Canada

- N/A

5.3 Personal protective equipment (PPE) provided by the competitors

- Safety Glasses - worn at all times
- Complete safety vest - worn at all times
- Hearing protection - worn at all times
- Knee pads worn when working in kneeling positions
- CSA approved Safety boots (above ankle) - worn at all times
- Dust Mask (worn when cutting materials and handling dust-generating particulate) P-100 (pink filter)
- Appropriate gloves - worn when handling precast concrete products, stone and wood
- Hard Hat (construction of overhead structure)

Note: Contestants who do not have the required protective gear will not be allowed to participate in the contest

6 ASSESSMENT

6.1 Point breakdown

POINT BREAKDOWN	/100
A) Horizontal Measurements	15
B) Work Process	15
C) Vertical Measurements	15
D) Completion of Softscape	15
E) Hardscape Construction	15
F) Other items (wood, stone & elements, etc.)	15
G) General impression	10

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
Infrastructure - Equipment and Material	<ul style="list-style-type: none"> • For safety reasons, all handling of materials and construction equipment (fork lifts, loader, excavators) to and from the skill area will be done by the National Technical Committee (NTC) members

8 ADDITIONAL INFORMATION

8.1 Interpreter

If a competitor requires the help of an interpreter once onsite during the competition, 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 Ties

- Tiebreaker #1: The team with the highest score in the criteria's A to F will be declared the winner.
- Tiebreaker #2: The team with the highest score in the criteria A will be declared the winners.
- Tiebreaker #3: The team with the highest score in the criteria B will be declared the winners.

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

Refer to the competition rules of the Skills Canada National Competition which can be found on our website.

9 NATIONAL TECHNICAL COMMITTEE MEMBERS

Member Organization	Name
British Columbia	Robert Welsh
Alberta	Stephen Carlton
Manitoba	Gord Bone
Québec- Chair	Sylvie Metthé
New Brunswick – Co-Chair	Jamey Smith
Nova Scotia	Joe Bidermann
Ontario	Eckard Lutz

Contact the Skills/Compétences Canada national secretariat for any questions or concerns: Nathalie Maisonneuve (nathaliem@skillscanada.com).