



2018

# SCNC

SKILLS CANADA  
NATIONAL COMPETITION

# OCMT

OLYMPIADES CANADIENNES  
DES MÉTIERS ET  
DES TECHNOLOGIES



**skillsCompétences**  
Canada  
Edmonton2018

CONTEST DESCRIPTION / DESCRIPTION DE CONCOURS

# LANDSCAPE GARDENING AMÉNAGEMENT PAYSAGER

POST- SECONDARY /  
NIVEAUX 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:

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

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/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 plans<sup>8</sup>, accurately scaling measurements and setting dimensions on site and using vertical measurement techniques<sup>1</sup>. 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.<sup>7</sup>

*Essential Skills – <sup>1</sup>Numeracy, <sup>7</sup>Thinking (Problem Solving, Critical), <sup>8</sup>Document 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, 2018

### 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.

#### 4.3 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 2018 **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 List of required 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)

## 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"> <li>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</li> </ul>

## 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 team with the highest score in the criteria's A to F (see 6.1) will be declared the winner. If a second tie occurs, the team with the highest score in the criteria A will be declared the winners. If a third tie occurs, 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

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

#### 9. NATIONAL TECHNICAL COMMITTEE MEMBERS

Member Organization	Name
British Columbia	Robert Welsh
Alberta	Stephen Carlton
Manitoba – Chair	Gord Bone
Québec	Sylvie Metthé
New Brunswick	Jim Landry
Nova Scotia	Kyle MacDonald
Ontario	Eckard Lutz

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