

RELEASE OF UPDATED TRAINING STANDARD LOG BOOK

Trade Name & Code	Facilities Technician and 255B
Implementation Date of New Standard	December 31, 2015, released as version 300
Implementation Plan	<ul style="list-style-type: none"> • Apprentices who began their apprenticeship with the May 1, 2004 training standard can complete their program using that standard. • All apprentices with initial training agreements registered on or after December 31, 2015 must be trained to the new standard. • On or after December 31, 2015 any apprentice who loses his or her training standard must be trained to and completed with the new standard even if they began their apprenticeship with the 2004 version.
Impact on Curriculum Standards or Related Trades	<ul style="list-style-type: none"> • None
Training Standard Access	<p><u>As of December 31, 2015:</u></p> <ul style="list-style-type: none"> • The new Log Book will be available on the Ontario College of Trades (the 'College') website. • The College will mail a printed Log Book to each apprentice who becomes a new member of the Apprentices Class in the Facilities Technician trade along with the apprentice's Statement of Membership card. • If the apprentice wants a copy of the Log Book before receiving the printed copy in the mail, the apprentice can download/print a copy from the College's website.
Skill(s) &/or Skill Set(s) Added	<p>Mandatory skill added to skill set U9065 DEMONSTRATE SAFE WORKING PRACTICES AND PROCEDURES U9065.05 – Practice Security Procedures Rationale: The trade has evolved to encompass safety procedures such as determining potential by fire, locations of fire, responding to alarms, etc... These skills and other items are essential to protecting the public interest and tenant safety.</p> <p>Mandatory skills added to skill set U9075 OPERATE AND MAINTAIN HEATING SYSTEMS U9075.03 – Maintain Heat Pumps (Air Cooled And Water Cooled) Rationale: In the previous standard, Operate and Maintain Heating Systems was used. This title now sets apart the difference between air-cooled and water cooled systems. This work is critical to the overall functioning of a building and can have large impacts on building tenants safety and well-being.</p>

	<p>U9075.07 – Maintain Rooftop Units Rationale: The inclusion of Maintaining Roof Top Units reflects changes to the industry where more buildings are incorporating rooftop units that need continual maintenance and monitoring.</p> <p>Mandatory skill added to skills set U9081 MONITOR AND ANALYSE BUILDING SUSTAINABILITY (<i>Removed ‘utility consumption’ from title</i>) U9081.03 - Identify High Use Areas In Order To Reduce Consumption And Operating Costs Rationale: This change is due to the increasing need to comply with BOMA BEST, LEED and Energy Star standards. Building energy consumption has been recognized as a major loss of energy and can be prevented by training an apprentice in items such as night set-backs, water reduction and lighting control systems.</p> <p>Skill added to skill set U9084 MAINTAIN ROOFING U9084.02 – Inspect Roof Equipment Rationale: Inspecting roofing equipment is an integral part of this trade due to hazards that can be created by natural items such as debris build-up, snow and ice as well as identifying defects or deteriorations to roofing items such as chimneys, lightning rods, aviation lighting, gas lines, etc. Training apprentices in these areas can prevent possible hazards to pedestrians below as well as expensive damage to building components.</p> <p>Skill set added with three (3) mandatory skills - U9085 ESTABLISH AND MAINTAIN CUSTOMER SERVICE: U9085.01 Establish Tenant And Customer Relationship U9085.02 Promote Tenant And Customer Service U9085.03 Utilize Administrative Protocols/Programs Rationale: Part of this trade’s increasing responsibility is to work closely with the needs of tenants and customers of the building. There is a need to respond to concerns and issues from individuals and achieve first time resolutions by using conflict-resolution and customer service skills.</p> <p>Skill set added with three (3) mandatory skills - U9086 - COORDINATE SECURITY AND LIFE SAFETY: U9086.01 Coordinate Security And Life Safety U9086.02 Administer Emergency Response Plan U9086.03 Maintain Security And Life Safety Systems Rationale: The need of public protection within a building has become an increased responsibility of the Facilities Technician to ensure the safety and security of tenants and customers in a building. Apprentices will learn to utilize and monitor new technologies to mitigate instances of emergencies that threaten the occupants and pose damage to the building.</p>
Change: Optional Skills	<ul style="list-style-type: none"> • N/A

<p>Become Mandatory</p>	
<p>Change: New Optional Skills or Mandatory Skills Become Optional</p>	<p>U9069.10, U9082.03 and U9083.03 are shaded and do not require sign-off.</p> <p>U9069.10 Inspect And Clean Duct Work And Grills Rationale: Industry felt this work was not always performed by Facilities Technician in all buildings and thus, an Apprentice may not necessarily be exposed to this work during the course of their apprenticeship.</p> <p>U9082.03 Apply Paint Rationale: Increasingly the Facilities Technician is not performing painting duties on a job site, but is still required by some employers.</p> <p>U9083.03 Inspect Operation Of Irrigation Systems Rationale: This work is being more performed by companies that specialize in this area due to the incorporation of underground systems; it is more difficult to visually inspect the working components of these systems.</p>
<p>Skills Moved</p>	<p>In skill Set U9066 USE AND MAINTAIN TOOLS, EQUIPMENT AND DEVICES</p> <p>U9066.01 – Combined hand and power tools into one skill. Rationale: Committee felt it was not necessary to continue to separate the training.</p>
<p>Skill(s) or Skill Set(s) Removed</p>	<p>Removed Skill Set 5107.0 MAINTAIN GAS SYSTEMS AND APPLIANCES Removed Skill Set 5111.0 WELD USING ARC WELDING EQUIPMENT Rationale: Committee felt it was not necessary to continue training in these areas.</p> <p>In Skill Set 5090 Demonstrate Safe Working Practices and Procedures Removed 5090.04 – Handle hazardous and toxic workplace materials now covered in U9065.03</p> <p>In Skill Set 5091 Use and Maintain Tools, Equipment, and Devices Removed 5091.05 – Inspect hand and power tools and equipment combined into one skill U9066.01 Removed 5091.30 - Use and maintain measuring devices.</p> <p>In Skill Set 5100 OPERATE AND MAINTAIN HEATING SYSTEMS Removed Skill 5100.08 Prepare for on-site inspection by identifying time, date, and location of schedule</p> <p>In Skill Set 5108 Maintain Building Interior and Exterior Removed skill 5108.03 - Repair or replace interior and exterior windows Removed skill 5108.04 - Plan and estimate replacement quantities of paint and wall coverings Removed skill 5108.05 - Prepare wall surfaces Removed skill 5108.07 - Apply wall coverings Removed skill 5108.09 - Maintain interior surfaces Removed skill 5108.11 - Maintain floor coverings</p>

	<p>Removed skill 5108.12 - Perform general cleaning procedures Removed skill 5108.13 - Maintain exterior brickwork, masonry, and cladding Removed skill 5108.14 - Maintain eavestrough and downspouts</p> <p>In Skill Set 5109 Perform Grounds Maintenance Removed skill 5109.02 - Clean up grounds Removed skill 5109.04 - Maintain lawns, plants, trees, flora, and shrubs. Removed skill 5109.05 - Inspect and maintain lawn and garden equipment Removed skill 5109.07 - Inspect and maintain playground equipment</p> <p>In Skill Set 5110 MAINTAIN ROOFING Removed 5110.01 - Access roofs</p> <p>Rationale: Some of these skills are becoming more specialized and require more expertise, tools and equipment to perform. Industry noted that it is usually easier and cheaper to hire people specifically trained in these trades to perform this work. It has also been identified that the Facilities Technician’s role has shifted towards maintenance and monitoring which includes customer service, security and prevention strategies.</p>
<p>General Notes & Rationale</p>	<ul style="list-style-type: none"> • This Training Standard revision includes 22 skill sets and 94 skills (previously 22 skill sets and 112 skills). • The Facilities Technician Training Standard was last updated in 2004 and was no longer reflective of industry needs. All of the changes reflect the evolution of the trade and industry’s needs. • A Labour Market Research Study was conducted by the Environmental Careers Organization of Canada (ECO Canada) and IPOS Reid, and funded by the government of Canada’s Sector Council Program in 2011. This study supports the need of a National Building Operator program as well as a number of other related issues which were identified by the Trade Board including: <ul style="list-style-type: none"> ○ The differences of a Stationary Engineer and a Building Operator (Facilities Technician) ○ The inconsistencies of various training programs which segregated the trade and caused inconsistent training which made filling job postings confusing to both those looking for employment and employers looking to hire potential employees. ○ Enrollment in the Facilities Mechanic and Facilities Technician apprenticeships declined and some Training Delivery Agents (TDA’s) discontinued offering the classroom training but continued to offer alternate related courses. • The Building Owners and Management Institute Canada (BOMI Canada) produced a facilitation report called “The Building Operator – Today and Tomorrow”, dated September 25, 2013 which involved key national stakeholders to identify the current skills required by a Building Operator; this report, as well as some of the

	key stakeholders involved, assisted in the development of this new Training Standard.
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