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★ OFFICIAL PROGRAM STANDARDS NOTIFICATION ★

Issued: June 27, 2011

Program: Sprinkler System Installer

To: ITA Training Providers
Construction Industry Training Organization (CITO)
ACE IT School Districts

RE: REF: 2011 018
UPDATE TO SPRINKLER SYSTEM INSTALLER PROGRAM

Timing: Effective: January 1, 2012

Information: Please be advised that an updated program standard for the Sprinkler System Installer apprenticeship program has been approved by the Industry Training Authority (ITA). An updated program profile and program outline is posted on the ITA website at www.itabc.ca.

Delivery of training for the Sprinkler System Installer apprenticeship program is to be based on the updated program outline as of January 1, 2012.

Background

The Construction Industry Training Organization (CITO) has completed the program outline after extensive consultation with industry and training providers. The program review has resulted in content changes to all four levels of technical training. Training providers will need to ensure their curriculum is aligned to the competencies identified in the new program outline.

Assessment

In-school Training

Training providers delivering Sprinkler System Installer apprenticeship in-school technical training are required to enter the following assessment result for each apprentice in ITA Direct Access:

- An in-school mark in the form of a percentage
(Minimum 70% is required for a pass)

Each Level final in-school mark is derived from a combination of theory and practical assessments determined on the basis of theory, practical subject competencies and Level in-school examination. A table showing the subject competencies, Level percentage weightings and Level examination weightings are shown in the attached Grading Sheet: Subject Competencies and Weightings Tables document.

The Level in-school mark for entry in ITA Direct Access is calculated by:

- Totaling the Level theory subject competencies noted in the Grading Sheet: Subject Competencies and Weightings Tables and multiply the total by:
 - 63% for Level 1 to produce a weighted theory result; and
 - 73% for Level 2, 3 & 4 to produce a weighted theory result.
- Totaling the Level practical subject competencies noted in the Grading Sheet: Subject Competencies and Weightings Tables and multiply the total by:
 - 37% for Level 1 to produce a weighted practical result; and
 - 27% for Level 2, 3 & 4 to produce a weighted practical result.
- For Level 1, 2, 3 & 4; add each Level theory and practical competency results and multiply the total by 80% to acquire the final weighted in-school result.
- For Level 1, 2, 3 & 4; multiply the Level exam score by 20% to produce a weighted Level exam result.
- Add the final weighted in-school result with the weighted Level exam result to acquire the final Level in-school mark.

Successful completion of the in-school training for each Level is defined as an in-school mark of 70% or greater.

ITA Standardized Level Examinations

ITA standardized Level exams for the Sprinkler System Installer apprenticeship program have been developed and are currently being field tested. Once finalized, these exams will replace the proprietary theory Level exams being used by training providers delivering in-school training for the Sprinkler System Installer apprenticeship program.

The Construction Industry Training Organization (CITO) is responsible for the administration and invigilation of exams being field tested. Field testing is being conducted by CITO at a limited number of training provider sites. Training providers will be notified when the ITA standardized Level exams are ready for use by training providers.

Questions regarding the administration of field testing should be directed to: Dave Coleman at the Construction Industry Training Organization (CITO) at davec@bccito.ca or 604-431-1994.

Interprovincial (Red Seal) Exam

Sprinkler System Installer apprentices are required to write the Sprinkler System Installer Interprovincial (Red Seal) exam after completing their in-school training levels, in order to be certified. A score of 70% or greater is required for a pass.

Interprovincial (Red Seal) exams may be requested by training providers via the usual ITA procedure.

The ITA will administer and invigilate the Interprovincial (Red Seal) exam and score and record exam results in ITA Direct Access.

For more information contact: Doug Podetz
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Copy: ITA Staff

ASSESSMENT GUIDELINES

Program: Sprinkler System Installer Apprenticeship

Requirements: In School Training

Training providers delivering Sprinkler System Installer apprenticeship in-school technical training are required to enter the following assessment result for each apprentice in ITA Direct Access:

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(Minimum 70% is required for a pass)

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 - 73% for Level 2, 3 & 4 to produce a weighted theory result.
- Totaling the Level practical subject competencies noted in the Grading Sheet: Subject Competencies and Weightings Tables and multiply the total by:
 - 37% for Level 1 to produce a weighted practical result; and
 - 27% for Level 2, 3 & 4 to produce a weighted practical result.

- For Level 1, 2, 3 & 4; add each Level theory and practical competency results and multiply the total by 80% to acquire the final weighted in-school result.
- For Level 1, 2, 3 & 4; multiply the Level exam score by 20% to produce a weighted Level exam result.
- Add the final weighted in-school result with the weighted level exam result to acquire the final Level in-school mark.

Successful completion of the in-school training for each Level is defined as an in-school mark of 70% or greater.

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Grading Sheet: Subject Competencies & Weightings Tables

Program: In-school Training: ITADirectAccess Code:		Sprinkler System Installer Apprenticeship Level 1 0114SF01	
Line	Subject Competencies	Theory Weighting	Practical Weighting
A	Use of Safe Work Practices	8%	0%
B	Use of Tools and Equipment	11%	55%
C	Organize Work	70%	10%
D	Prepare and Assemble Sprinkler Components	11%	35%
	Total	100%	100%
	Level 1 individual subject competency weighting	63%	37%
	Combined theory and practical subject competency multiplied by	80%	
	Level 1 Exam score multiplied by	20%	
	Level 1 in-school mark	X%	

Program: In-school Training: ITADirectAccess Code:		Sprinkler System Installer Apprenticeship Level 2 0114SF02	
Line	Subject Competencies	Theory Weighting	Practical Weighting
C	Organize Work	40%	25%
D	Prepare and Assemble Sprinkler Components	19%	25%
E	Install Sprinkler Systems	41%	50%
	Total	100%	100%
	Level 2 individual subject competency weighting	73%	27%
	Combined theory and practical subject competency multiplied by	80%	
	Level 2 Exam score multiplied by	20%	
	Level 2 in-school mark	X%	

Program: In-school Training: ITADirectAccess Code:		Sprinkler System Installer Apprenticeship Level 3 0114SF03	
Line	Subject competencies	Theory Weighting	Practical Weighting
B	Use Tools & Equipment	8%	15%
C	Organize Work	13%	23%
D	Prepare and Assemble Sprinkler Components	14%	8%
E	Install Sprinkler Systems	13%	8%
F	Install Water Supply for Sprinkler Systems	52%	46%
	Total	100%	100%
	Level 3 individual subject competency weighting	73%	27%
	Combined theory and practical subject competency multiplied by	80%	
	Level 3 Exam score multiplied by	20%	
	Level 3 in-school mark	X%	

Program: In-school Training: ITADirectAccess:		Sprinkler System Installer Apprenticeship Level 4 0114SF04	
Line	Subject competencies	Theory Weighting	Practical Weighting
C	Organize Work	50%	70%
D	Prepare and Assemble Sprinkler System Components	10%	12%
E	Install Sprinkler Systems	20%	18%
F	Install Water Supply for Sprinkler Systems	20%	0%
	Total	100%	100%
	Level 4 individual subject competency weighting	73%	27%
	Combined theory and practical subject competency multiplied by	80%	
	Level 4 Exam score multiplied by	20%	
	Level 4 in-school mark	X%	