



THE RIGHT SKILLS ► A PROVEN ADVANTAGE

★ OFFICIAL PROGRAM STANDARDS NOTIFICATION ★

Issued: August 24, 2010

Program: Plumber

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

RE: **REF: 2010 018**
UPDATE TO PLUMBER PROGRAM

Timing: Effective September 1, 2010

Information: This note is an update on the status of the Plumber Program further to OPSN 2009-013 issued on October 6, 2009.

OPSN 2009-013 indicated ITA approval of an updated standard for the Plumber apprenticeship program and posted a revised program profile and program outline on the ITA website at www.itabc.ca.

In the intervening time, changes have been made to the assessment guidelines and are now reflected in the attached, updated Assessment Guidelines. The changes include minor revisions to weightings of theory and practical subject competencies.

The updated assessment guidelines are effective September 1, 2010.

Assessment

In-school Training

Effective September 1, 2010 training providers delivering Plumber Apprenticeship levels 1, 2, 3 and 4 in-school training are required to enter the following assessment result for each apprentice in ITA DirectAccess:

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

The in-school mark is derived from a combination of theory and practical assessments determined on the basis of:

- Theory and practical subject competencies. A table with the competencies and percentage weightings shown in the attached Assessment Guidelines document.
- The theory subject competency mark for each level is calculated based on 80% from the accumulated individual competencies and 20% based on the score from the in-school exam.
- The practical subject competency mark for each level is calculated based on 100% of the accumulated individual competencies.

The final in-school mark for entry in ITA DirectAccess is calculated

- for Levels 1 & 2: applying a weighting of 63% to the final theory result and a weighting of 37% to the practical result and then adding these two results.
- for Level 3: applying a weighting of 73% to the final theory result and a weighting of 27% to the practical result and then adding these two results.
- for Level 4: applying a weighting of 82% to the final theory result and a weighting of 18% to the practical result and then adding these two results.

Successful completion of the in-school training for each level is defined as a score of 70% or greater for the final in-school mark.

Interprovincial (Red Seal) Examination

Plumber apprentices are required to write the Plumber Inter-provincial (Red Seal) exam after completing their in-school training. A score of 70% or greater is required for a pass.

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

ITA will administer and invigilate the Inter-provincial (Red Seal) exam and score and record exam results in ITA DirectAccess.

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ASSESSMENT GUIDELINES

Program: **Plumber Apprenticeship**

Requirements: **In-School Training**

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- The theory subject competency mark for each level is calculated based on 80% of the accumulated individual competencies and 20% based on the score from the in-school exam.
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- The final in-school mark for entry in ITA DirectAccess is calculated
 - for Levels 1& 2: applying a weighting of 63% to the final theory result and a weighting of 37% to the practical result and then adding these two results.
 - for Level 3: applying a weighting of 73% to the final theory result and a weighting of 27% to the practical result and then adding these two results.

- for Level 4: applying a weighting of 82% to the final theory result and a weighting of 18% to the practical result and then adding these two results.

Successful completion of the in-school training for each level is defined as a score of 70% or greater for the final in-school mark.

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Grading Sheet: Subject Competencies and Weightings Tables

Program:		Plumber apprenticeship	
In-school Training:		Level 1	
ITADirectAccess Code:		0017PL01	
Line	Subject Competencies	Theory Weighting	Practical Weighting
A	Use of Safe Work Practices	6%	5%
B	Use Tools & Equipment	9%	53%
C	Organize Work	56%	8%
D	Prepare & Assemble Plumbing Components	9%	34%
	In-school Final Exam	20%	
	Total	100%	100%
	Level 1 in-school mark weighting	63%	37%
	Level 1 in-school mark: calculated by the training provider by combining the 63% theory and 37% practical subject competency weightings		X%

Program:		Plumber apprenticeship	
In-school Training:		Level 2	
ITADirectAccess Code:		0017PL02	
Line	Subject Competencies	Theory Weighting	Practical Weighting
B	Use Tools & Equipment	2%	6%
C	Organize Work	2%	15%
E	Install Sanitary & Storm Drainage Systems	40%	50%
H	Install Fixtures & Appliances	8%	0%
I	Install Hydronic Heating & Cooling	24%	29%
J	Install Specialized Systems	4%	0%
	In-school Final Exam	20%	
	Total	100%	100%
	Level 2 in-school mark weighting	63%	37%
	Level 2 in-school mark: calculated by the training provider by combining the 63% theory and 37% practical subject competency weightings		X%

Program: In-school Training: ITADirectAccess Code:		Plumber apprenticeship Level 3 0017PL03	
Line	Subject competencies	Theory Weighting	Practical Weighting
C	Organize Work	7%	12%
G	Install Water Service & Distribution	40%	50%
H	Install Fixtures & Appliances	7%	0%
J	Install Specialized Systems	5%	0%
L	Install Natural Gas & Propane Systems	21%	38%
	In-school Final Exam	20%	
	Total	100%	100%
	Level 3 in-school mark weighting	73%	27%
	Level 3 in-school mark: calculated by the training provider by combining the 73% theory and 27% practical subject competency weightings	X%	

Program: In-school Training: ITADirectAccess Code:		Plumber apprenticeship Level 4 0017PL04	
Line	Subject competencies	Theory Weighting	Practical Weighting
C	Organize Work	2%	5%
E	Install Sanitary & Storm Drainage Systems	7%	4%
F	Install Private Sewage Systems	4%	0%
G	Install Water Service & Distribution	2%	5%
I	Install Hydronic Heating & Cooling	7%	14%
J	Install Specialized Systems	2%	0%
K	Apply Plumbing Principles	10%	0%
L	Install Natural Gas & Propane Systems	46%	72%
	In-school Final Exam	20%	
	Total	100%	100%
	Level 4 in-school mark weighting	82%	18%
	Level 4 in-school mark: calculated by the training provider by combining the 82% theory and 18% practical subject competency weightings	X%	