



THE RIGHT SKILLS ► A PROVEN ADVANTAGE

★ OFFICIAL PROGRAM STANDARDS NOTIFICATION ★

Issued: October 6, 2009

Program: Plumber

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

RE: REF: 2009 013
UPDATE TO PLUMBER PROGRAM

Timing: Effective: September 1, 2010

Information: Please be advised that an updated program standard for the Plumber apprenticeship program has been approved by the ITA. An updated program profile and program outline is posted on the ITA website at www.itabc.ca.

Delivery of training for the Plumber apprenticeship program is to be based on the updated program outline as of September 1, 2010.

Background

The Construction Industry Training Organization (CITO) has completed the program outline with extensive consultation with industry and training providers. The program review has resulted in content changes for all four levels of technical training. Over the next year training providers are expected to align their curriculum based on the competencies identified in the new program outline.

Assessment

In-school Training

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 ITADirectAccess:

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

The in-school mark is a combined theory and practical assessment determined on the basis of:

- Theory and practical subject competencies. A table showing the subject competencies and weightings for each competency and level is shown in the attached Assessment Guidelines document.
- The theory subject competency mark is calculated based on 80% from the accumulated individual competencies and 20% based on the score from a final theory level exam.
- The practical subject competency mark is calculated based on 100% on accumulated individual competencies.
- The final in-school mark for entry in ITA DirectAccess is calculated by:

for Levels 1, 2 & 3: applying a weighting of 80% to the final theory result and a weighting of 20% to the practical result and then adding the two results together

for Level 4: applying a weighting of 85% to the final theory result and a weighting of 15% to the practical result and then adding the two results together

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.

ITA Standardized Level Examinations

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

Designated private training providers are still expected to arrange for an ITA invigilated exam. Until the ITA standardized level exams are implemented designated private training providers are expected to write the current level challenge exams.

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 exams are ready for use by training

providers.

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

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.

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

For more information contact: Doug Podetz
Industry Training Authority
Tel: (604) 214-8707
Email: dpodetz@itabc.ca

Copy: ITA Staff

ASSESSMENT GUIDELINES

Program: **Plumber Apprenticeship**

Requirements: **In School Training**

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 ITADirectAccess:

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

The in-school mark is a combined theory and practical assessment determined on the basis of:

- Theory and practical subject competencies. A table showing the subject competencies and weightings for each competency and level is shown on page 3.
- The theory subject competency mark is calculated based on 80% from the accumulated individual competencies and 20% based on the score from a final theory level exam.
- The practical subject competency mark is calculated based on 100% on accumulated individual competencies.
- The final in-school mark for entry in ITA DirectAccess is calculated by:

for Levels 1, 2 & 3: applying a weighting of 80% to the final theory result and a weighting of 20% to the practical result and then adding the two results

for Level 4: applying a weighting of 85% to the final theory result and a weighting of 15% to the practical result and then adding the two results together.

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.

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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%
	Final Exam	20%	
	Total	100%	100%
	Level 1 in-school mark weighting	80%	20%
	Level 1 in-school mark	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%
	Final Exam	20%	
	Total	100%	100%
	Level 2 in-school mark weighting	80%	20%
	Level 2 in-school mark	X%	

Program:		Plumber apprenticeship	
In-school Training:		Level 3	
ITADirectAccess Code:		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%
	Final Exam	20%	
	Total	100%	100%
	Level 3 in-school mark weighting	80%	20%
	Level 3 in-school mark	X%	

Program:		Plumber apprenticeship	
In-school Training:		Level 4	
ITADirectAccess Code:		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%
	Final Exam	20%	
	Total	100%	100%
	Level 4 in-school mark weighting	85%	15%
	Level 4 in-school mark	X%	