

Issued: February 26, 2013

Program: **Rofer (Rofer, Damp & Waterproof)**

To: ITA Training Providers
BC Construction Industry Training Organization

RE: **OPSN 2013 005**

Timing: Effective: March 22, 2012

Information: Please be advised that effective March 22, 2013, the Industry Training Authority (ITA) will be launching Standardized Level Examinations for Rofer Level 1 & 2.

All Rofer Level 1 & 2 classes completing on or after March 22, 2013 will be scheduled to write an ITA Standardized Level Examination.

Training providers that deliver the Rofer Level 1 & 2 program will be responsible for scheduling an appropriate facility for the planned exam date.

Background In 2012, ITA made the decision to launch ITA Standardized Level Examinations for all programs. The following four programs were selected for the initial launch:

- Rofer Level 1 & 2
- Carpenter - Level 3
- Millwright - Level 3
- Automotive Service Technician (AST) - Level 3 & 4

Three of these programs, Carpenter, Millwright and AST, will be writing the Standard Level Exams through an online computer-based platform. The Rofer level examinations will continue to be written in a paper-based format but will be delivered through an online computer-based platform at a future date.

The benefits of moving to an online platform include:

- Immediate processing of exam results and a quicker turnaround for exam marks,
- Increased exam protection and security with the removal of paper-based exams,
- The ability to “scramble” questions which enhances security of the exam as questions will be presented in a different sequence for each candidate,
- Diagrams in the exams can be manipulated to clarify details, i.e., zoom-in capabilities, and
- A consistent evaluation process for all examinations with the ability to quickly modify or remove questions as required.

Additional ITA programs will begin writing online computer-based standardized level examinations in 2013 - 2014.

**Scheduling
Roofer Level
Exams**

The Roofer Level 1 & 2 exams should be requested by training providers via the usual ITA procedure. ITA will invigilate these exams.

**Calculating
Roofer Level
Exam marks**

Training providers are expected to follow the current practice of calculating the final in-school mark and entering this mark into ITA Direct Access (ITADA) for each candidate.

ITA is responsible for entering the standard level exam marks into ITADA.

A calculation table showing the subject competencies, level percentage weightings and level examination weightings are shown in the *Grading Sheet: "Subject Competencies and Weightings"* section at the end of this document.

As the in-school mark and the exam mark are blended to arrive at a final level mark, there will be a degree of uncertainty in cases of border-line percentage results. Please refer to the '*Program Results and Eligibility*' section of this document for an explanation and procedure for these cases.

**Training
Provider
Component:**

Training providers delivering Roofer Level 1, 2 & 3 in-school technical training are required to enter the following information in ITADA for each apprentice:

- An in-school mark in the form of a percentage

**In-School
Technical
Training Marks**

As per the *Grading Sheet: "Subject Competencies and Weightings"*, the in-school mark for Roofer Level 1, 2 & 3 is derived from a combination of theory and practical assessments within each training topic.

Roofer Level 1, 2 & 3 in-school marks are calculated by:

- Totalling the level *theory* competency results as noted in the competencies and weightings tables and multiplying the total by 70% for Level 1, 2 & 3 to produce a weighted theory result;
- Totalling the level *practical* competency results as noted in the competencies and weightings tables and multiplying the total by 30% for Level 1, 2 & 3 to produce a weighted practical result; and
- Adding the theory and practical competency results together to determine the final in-school result for each level.

Currently, Roofer Level 3 classes will not write an ITA Standardized Level Examination. The final Level 3 marks are determined through in-school technical training assessments. Training providers are to follow the Grading Sheet: "Subject Competencies and Weightings" for Level 3 to determine an apprentice's final in-school technical training mark.

ITA Component: ITA is responsible for entering standard level examination marks in ITADA.

Standardized Level 1 & 2 Exam Marks

ITADA automatically calculates the final mark for a level once the in-school training and standard level exam marks are entered into the system. This mark is calculated by blending the standardized level exam percentage score and the in-school technical training percentage score to determine the final mark for the level.

In-school technical training (combined theory & practical) is weighted at 80% and the ITA standardized level exam is weighted at 20%. These two scores are combined to determine the final level mark. This result is the final mark that is recorded in ITADA.

- A mark of 70% or greater is required to pass Roofer Level 1 & 2 when the final in-school percentage score and the final ITA standardized level exam percentage score are blended.

Program Results and Eligibility

The instructor is only responsible for entering the final in-school training mark in ITADA.

ITA is responsible for entering the apprentice's standard level exam marks in ITADA.

ITADA automatically blends the final in-school mark with the Roofer Level 1 & 2 exam mark to determine the final mark for the level. Once the instructor has entered the final in-school marks in ITADA, the system calculates the final mark for the level by weighting the in-school mark at 80% and the ITA standardized level exam mark at 20%. ITADA combines these two weighted marks to determine each apprentice's level final mark.

As the in-school mark and the exam mark are blended there will be situations where an apprentice will have to repeat one or the other component (in-school training or exam) in order to achieve the required 70% to pass Roofer Level 1 & 2.

In the event that this does occur, the following table outlines the two scenarios an apprentice may encounter once the 80/20 blending is applied and the final mark is less than 70%.

<p>Scenario 1</p> <p>The apprentice receives less than 70% for the in-school session and 70% or greater on the Roofer level exam resulting in a final mark of less than 70%.</p>	<p>The apprentice will:</p> <ul style="list-style-type: none"> • Re-take the Roofer level in-school technical training • Receive credit for the exam
<p>Scenario 2</p> <p>The apprentice receives 70% or greater for the in-school session and less than 70% on the Roofer level exam resulting in a final mark of less than 70%.</p>	<p>The apprentice will:</p> <ul style="list-style-type: none"> • Receive credit for the in-school technical training • Re-write the Roofer level exam per ITA exam re-write policy

In cases where the apprentice receives a mark that is less than 70% for the in-school technical training and still achieves a final blended mark of 70% or greater, credit for the technical training will be granted.

***Interprovincial
(Red Seal) Exam***

In order to achieve certification, Roofer apprentices are required to write the Roofer Interprovincial (Red Seal) exam after completing all levels of in-school technical training.

Apprentices must have passed all levels of in-school technical training or be approved challengers to sit the exam. A score of 70% or greater is required for a pass.

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

The ITA will administer and invigilate Interprovincial (Red Seal) exams and score and record exam results in ITADA.

**For more
information
contact:**

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Grading Sheet: Subject Competency and Weightings

PROGRAM: IN-SCHOOL TRAINING: ITA DIRECT ACCESS CODE:		ROOFER (ROOFER, DAMP AND WATERPROOFER) LEVEL 1 0104RO	
LINE	TRAINING TOPICS & SUGGESTED TIME ALLOCATION	THEORY WEIGHTING	PRACTICAL WEIGHTING
A	Use Safe Work Practices	17%	17%
B	Use Tools and Equipment	18%	30%
C	Use Documentation	7%	0%
D	Organize Work	20%	3%
E	Prepare Roofs	3%	0%
F	Install Low Slope and Flat Roofing	20%	0%
G	Install Steep Roofing	15%	50%
	Total	100%	100%
Calculated by the Training Provider Roofing (Roofing, Damp and Waterproofing) in-school theory & practical subject competency weighting		70%	30%
Training Provider enters final in-school mark into ITA Direct Access		X%	

Calculated by ITA: In-school Mark ITA Direct Access calculates the percentage weighting once the in-school mark is entered. Combined theory and practical subject competency multiplied by	80%
Calculated by ITA: Standard Level Exam Mark ITA Direct Access will calculate the percentage weighting once the standard level exam marks have been entered. The exam score is multiplied by	20%
Calculated by ITA: Final Mark The final mark for determining credit is calculated by ITA Direct Access.	FINAL%

PROGRAM: IN-SCHOOL TRAINING: ITA DIRECT ACCESS CODE:		ROOFER (ROOFER, DAMP AND WATERPROOFER) LEVEL 2 0104RO	
LINE	TRAINING TOPICS & SUGGESTED TIME ALLOCATION	THEORY WEIGHTING	PRACTICAL WEIGHTING
A	Use Safe Work Practices.	12%	25%
C	Use Documentation	13%	30%
D	Organize Work	11%	0%
F	Install Low Slope and Flat Roofing	37%	20%
G	Install Steep Roofing	21%	25%
I	Apply Waterproofing and Damp-proofing	6%	0%
	Total	100%	100%
Calculated by the Training Provider Roofer (Roofer, Damp and Waterproofer) in-school theory & practical subject competency weighting		70%	30%
Training Provider enters final in-school mark into ITA Direct Access		X%	

Calculated by ITA: In-school Mark ITA Direct Access calculates the percentage weighting once the in-school mark is entered. Combined theory and practical subject competency multiplied by	80%
Calculated by ITA: Standard Level Exam Mark ITA Direct Access will calculate the percentage weighting once the standard level exam marks have been entered. The exam score is multiplied by	20%
Calculated by ITA: Final Mark The final mark for determining credit is calculated by ITA Direct Access.	FINAL%

PROGRAM: IN-SCHOOL TRAINING: ITA DIRECT ACCESS CODE:		Roofer (Roofer, Damp and Waterproofer) LEVEL 3 0104RO	
LINE	TRAINING TOPICS & SUGGESTED TIME ALLOCATION	THEORY WEIGHTING	PRACTICAL WEIGHTING
A	Use Safe Work Practices	8%	20%
C	Use Documentation	7%	10%
D	Organize Work	7%	20%
F	Install Low Slope and Flat Roofing	58%	50%
G	Install Steep Roofing	10%	0%
H	Assess and Maintain Roofs, Damp and Waterproofing	10%	0%
	Total	100%	100%

Calculated by the Training Provider:		
Roofer (Roofer, Damp and Waterproofer) in-school theory & practical subject competency weighting	70%	30%
Training Provider enters final in-school mark into ITA Direct Access Apprentices must achieve a minimum 70% for the Level 3 final in-school mark to be eligible to write the Interprovincial Red Seal exam.	IN-SCHOOL FINAL %	

All apprentices who complete Level 3 of the Roofer (Roofer, Damp & Waterproofer) program with a FINAL level mark of 70% or greater will write the Interprovincial Red Seal examination as their final assessment.

ITA will enter the apprentices' Roofer Red Seal Interprovincial examination mark in ITADA. A minimum mark of 70% on the examination is required for a pass.