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★ OFFICIAL PROGRAM STANDARDS NOTIFICATION ★

Issued: February 23, 2010

**Program: Ironworker - Reinforcing**

**To:** ITA Training Providers  
Construction Industry Training Organization (CITO)

**RE:** REF: 2010 004  
**UPDATE TO IRONWORKER - REINFORCING PROGRAM**

**Timing:** April 1, 2010

**Information:** This note is an update on the status of the Level 2 in-school training for the Ironworker - Reinforcing program further to OPSN 2009-014 issued on September 30, 2009.

**Background**

OPSN 2009-014 announced the approval of the new Ironworker - Reinforcing apprenticeship program which included 2 levels of in-school training and 3200 work-based training hours. The Level 1 in-school training had been piloted and was put into regular delivery; the Level 2 in-school training was scheduled to be piloted in the future.

OPSN 2009-014 further advised that Reinforcing Steel Installer apprentices would be transitioned into the new Ironworker – Reinforcing program and be credited with level 1 in-school training.

**Update**

It has now been determined that there is no need to pilot the level 2 in-school training. Level 2 in-school training is now available for regular delivery.

Ironworker – Reinforcing apprentices are required to complete level 2 in-school training in order to be certified.

A letter will be sent to all registered apprentices and their sponsors in March advising them that level 2 in-school training is now available.

### **Assessment**

Training providers delivering Ironworker - Reinforcing apprenticeship level 1 or level 2 in-school technical 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 derived from a combination of theory and practical assessments determined on the basis of:

- Theory and practical subject competencies. A table showing the subject competencies and percentage weightings are shown in the attached Assessment Guidelines document.
  - The theory subject competency mark for:
    - Level 1 is based on 60% of the accumulated competencies; and
    - Level 2 is based on 70% of the accumulated competencies.
  - The practical subject competency mark for:
    - Level 1 is based on 40% of the accumulated competencies; and
    - Level 2 is based on 30% of the accumulated competencies.
- A standardized level examination.
  - The score on the level (1 or 2) exam counts for 30% of the in-school mark.

The in-school mark for entry in ITADirectAccess is calculated by:

#### 1. Producing a theory and practical competency result

- Total the theory subject competencies and multiply the total by:
  - 60% for level 1 to produce a weighted theory result; and
  - 70% for level 2 to produce a weighted theory result.
- Total the practical subject competencies and multiply the total by:
  - 40% for level 1 to produce a weighted practical result; and
  - 30% for level 2 to produce a weighted practical result.

- For Level 1 or 2, add the weighted theory result and the weighted practical result together and multiply the total by 70% to produce a theory and practical competency result.
2. Producing a weighted level exam result
    - For level 1 or 2, multiply the level exam score by 30% to produce a weighted level exam result.
  3. Combining the theory and practical competency result with the weighted level exam result to derive the in-school mark
    - Add the theory and practical competency result and the weighted level exam result together to derive the 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 Ironworker – Reinforcing 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 Ironworker – Reinforcing 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 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](mailto:davec@bccito.ca) or 604-431-1994.

### **Inter-provincial (Red Seal) Exam**

Ironworker - Reinforcing apprentices are required to write the Ironworker - Reinforcing Inter-provincial (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.

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  
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**Copy:** ITA Staff

## ASSESSMENT GUIDELINES

**Program:** Ironworker - Reinforcing Apprenticeship

**Requirements:** In School Training

Training providers delivering Ironworker - Reinforcing apprenticeship level 1 or level 2 in-school technical 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 derived from a combination of theory and practical assessments determined on the basis of:

- Theory and practical subject competencies. A table showing the competencies percentage weightings are noted on page 3.
  - The theory subject competency mark for:
    - Level 1 is based on 60% of the accumulated competencies; and
    - Level 2 is based on 70% of the accumulated competencies.
  - The practical subject competency mark for:
    - Level 1 is based on 40% of the accumulated competencies; and
    - Level 2 is based on 30% of the accumulated competencies.
- A standardized level examination.
  - The score on the level (1 or 2) exam counts for 30% of the in-school mark.

The in-school mark for entry in ITADirectAccess is calculated by:

1. Producing a theory and practical competency result

- Total the theory subject competencies and multiply the total by:
  - 60% for level 1 to produce a weighted theory result; and
  - 70% for level 2 to produce a weighted theory result.
- Total the practical subject competencies and multiply the total by:
  - 40% for level 1 to produce a weighted practical result; and
  - 30% for level 2 to produce a weighted practical result.
- For level 1 or 2, add the weighted theory result and the weighted practical result together and multiply the total by 70% to produce a theory and practical competency result.

2. Producing a weighted exam mark

- For level 1 or 2, multiply the level exam score by 30% to arrive at a weighted level exam result.

3. Combining the theory and practical competency result with the weighted exam result to derive the in-school mark

- Add the theory and practical competency result and the weighted exam result together to derive the in-school mark.

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

### **Inter-provincial (Red Seal) Exam**

Ironworker - Reinforcing apprentices are required to write the Ironworker - Reinforcing Inter-provincial (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.

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.

**Grading Sheet: Subject Competencies and Weightings Tables**

<b>Program: Ironworker - Reinforcing Apprenticeship</b>			
<b>In-school Training: Level 1</b>			
<b>ITADirectAccess Code: 00325RN01</b>			
<b>Line</b>	<b>Subject Competencies</b>	<b>Theory Weighting</b>	<b>Practical Weighting</b>
A	Use of Safe Work Practices	20%	10%
B	Use of Tools and Equipment	10%	10%
C	Organize Work	10%	0%
D	Use Rigging, Hoisting and Lifting Equipment	15%	25%
E	Apply Crane Work Procedures	10%	10%
F	Apply Reinforcing Techniques	20%	35%
G	Apply Pre-stressing/Post-tensioning Techniques	15%	10%
	Total	100%	100%
	Individual subject competency weighting	60%	40%
	Combined theory and practical subject competency weighting	70%	
	Level Exam weighting	30%	
	Level 1 in-school mark	X%	

<b>Program: Ironworker - Reinforcing Apprenticeship</b>			
<b>In-school Training: Level 2</b>			
<b>ITADirectAccess Code: 00325RN02</b>			
<b>Line</b>	<b>Subject Competencies</b>	<b>Theory Weighting</b>	<b>Practical Weighting</b>
B	Use of Tools and Equipment	10%	16%
C	Organize Work	20%	16%
D	Use Rigging, Hoisting and Lifting Equipment	20%	18%
E	Apply Crane Work Procedures	15%	0%
F	Apply Reinforcing Techniques	15%	18%
G	Apply Pre-stressing/Post-tensioning Techniques	20%	32%
	Total	100%	100%
	Individual subject competency weighting	70%	30%
	Combined theory and practical subject competency weighting	70%	
	Level Exam weighting	30%	
	Level 2 in-school mark	X%	