



★ OFFICIAL PROGRAM STANDARDS NOTIFICATION ★

Issued: February 24, 2012

Program: Motorcycle Mechanic (Motorcycle & Power Equipment Technician)

- To:** ITA Training Providers
Automotive Training Standards Organization (ATSO)
ACE IT School Districts
- RE:** **REF: 2012 002**
Implementation of modified Program Standards for the Motorcycle Mechanic (Motorcycle & Power Equipment Technician)
- Timing:** Effective: April 1, 2012
- Information:** Please be advised that an updated program standard for the Motorcycle Mechanic (Motorcycle & Power Equipment Technician) apprenticeship program has been approved by the Industry Training Authority (ITA). An updated program profile and outline is posted on the ITA website at www.itabc.ca.

Background

During a review of the program outline for Motorcycle Mechanic it became clear that a re-alignment was needed to match the current NOA for Motorcycle Mechanic Red Seal. Through the development of a comparison with the Outdoor Power Equipment Technician program outline, it was recognized that the existing Motorcycle Mechanic program and the Outdoor Power Equipment Technician program shared a large proportion of common competencies. An Automotive Training Standards Organization (ATSO) industry steering committee reviewed both program outlines and determined that competencies between the two programs should be aligned into one program – Motorcycle & Power Equipment Technician. The committee also agreed to include new competencies to the program outline to maintain current technologies within the field.

The amalgamation of both programs into the new Motorcycle Mechanic (Motorcycle & Power Equipment Technician) program will provide an opportunity for all apprentices to write the Motorcycle Mechanic Red Seal Interprovincial exam.

Program Delivery

The Motorcycle Mechanic program is comprised of two Levels of technical training with 5 weeks technical training per Level. With the extension of program content to accommodate the competencies for Outdoor Power Equipment Technician, the modified program will contain four Levels as detailed below.

Level One Technical Training – 150 hours (5 weeks*)

Level Two Technical Training – 120 hours (4 weeks*)

Level Three Technical Training – 150 hours (5 weeks*)

Level Four Technical Training – 120 hours (4 weeks*)

(* assuming 30 hours in school per week)

In addition to in-school technical training, the work-based hours required for completion of the program is 6720 hours.

In-school Training

Training providers delivering Motorcycle Mechanic (Motorcycle & Power Equipment Technician) apprenticeship in-school technical training are responsible for calculating the final in-school mark for each Level.

The final Level 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 table document.

A letter outlining the requirements of the modified program will be sent by ITA to all active Motorcycle Mechanic and Outdoor Power Equipment Technician apprentices affected by this change.

Interprovincial (Red Seal) Examination

Motorcycle Mechanic (Motorcycle & Power Equipment Technician) apprentices are also required to write the Motorcycle Mechanic (Red Seal) examination after completing their in-school training in order to acquire their Certificate of Qualification with a Red Seal endorsement. A score of 70% or more is required for a pass.

Interprovincial Red Seal examinations may be requested by training providers via the usual ITA procedure.

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

Motorcycle & Power Equipment Technician Foundation program

Students completing the Motorcycle & Power Equipment Technician Foundation program will have recorded information put into ITA Direct Access for each of the identified bullets listed below:

- The Motorcycle & Power Equipment Technician Foundation program.
 - The Level 1 ITA standardized exam for the Motorcycle & Power Equipment Technician apprenticeship program.
 - The final mark for Motorcycle & Power Equipment Technician Foundation will be based on a weighted final in-school mark & the Level 1 ITA standardized exam mark. Refer to the attached Assessment Guideline and the Grading Sheet: Subject Competencies and Weightings Tables document.
- **Note:** When a candidate completes the above components and acquires an employer apprentice sponsorship they will acquire credit for Motorcycle & Power Equipment Technician Level 1 and credit for 300 work-based hours.

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ASSESSMENT GUIDELINES

Program: Motorcycle Mechanic (Motorcycle & Power Equipment Technician)

Requirements: **In School Training**

Training providers delivering Motorcycle Mechanic (Motorcycle & Power Equipment Technician) 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)

The final Level 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.

ITA Direct Access – Training Provider’s calculation to produce the in-school mark

The Level in-school mark for all four Levels for entry into ITA Direct Access is calculated by:

- Totaling the Level theory subject competencies noted in the Grading Sheet; Subject Competencies and Weightings Tables and multiplying the total by 80% to produce a weighted theory result.
- Totaling the Level practical subject competencies noted in the Grading Sheet: Subject Competencies and Weightings Tables and multiplying the total by 20% to produce a weighted practical result.
- For Level 1, 2, 3 & 4; after completing the Level theory and practical calculation (80/20) add the two results to acquire the final weighted percentage for the in-school result.
- This final percentage mark is entered into ITA Direct Access by the training provider.

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

ITA Direct Access – ITA calculation to produce the final mark based on the ITA standardized examination for each Level

A final Level mark will be calculated by a weighted blending of the in-school technical training mark and the Level examination mark. The percentage weighting for each of the Levels will be:

- 80% based on the final in-school mark, and
- 20% based on the final level exam mark.

ITA Direct Access will calculate the final mark for each Level.

A score of 70% or greater is required for a pass when combining the final in-school mark and the final Level exam mark.

Interprovincial (Red Seal) Exam

Motorcycle Mechanic (Motorcycle & Power Equipment Technician) apprentices are required to write the Motorcycle Mechanic 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.

Motorcycle & Power Equipment Technician Foundation program

Students completing the Motorcycle & Power Equipment Technician Foundation program will have recorded information put into ITA Direct Access for each of the identified bullets listed below.

- The Motorcycle & Power Equipment Technician Foundation program.
- The Level 1 ITA standardized exam for the Motorcycle & Power Equipment Technician apprenticeship program.

A final Level 1 mark will be calculated by a weighted blending of the in-school technical training mark and the Level 1 examination mark. The percentage weighting for Level 1 will be:

- 80% based on the final in-school mark, and
- 20% based on the final Level 1 exam mark.

ITA Direct Access will calculate the final mark for Level 1.

A final percentage mark for each student completing the Motorcycle & Power Equipment Technician Foundation program should be entered by the training provider into ITA Direct Access.

The Motorcycle & Power Equipment Technician Level 1 ITA standardized exam may be requested by training providers via the usual ITA procedure.

- Training providers are requested to have students complete an ITA Direct Access Registration form available on www.itabc.ca. These forms should be submitted together with the Exam Request Form to the ITA six weeks prior to the scheduled exam date.
- The ITA will administer and invigilate the Level 1 exam, score and record exam results in ITA Direct Access.

Grading Sheet: Subject Competencies & Weightings Tables

Program:		Motorcycle Mechanic (Motorcycle & Power Equipment Technician) Apprenticeship	
In-school Training:		Level 1	
ITADirectAccess Code:		0166MR12	
Line	Subject Competencies	Theory Weighting	Practical Weighting
A	Safe Work Practices	10%	6%
B	Business Procedures	11%	4%
C	Hand and Shop Tools	21%	19%
D	Lubrication and Cooling Systems	10%	11%
E	Bearing Design, Construction and Service	3%	6%
F	Wheels, Tires and Suspension	10%	14%
G	Chain Belt and Shaft Drive Systems	7%	0%
H	Brake Systems	11%	15%
I	Electrical and Electronics	14%	20%
J	New Unit Assembly and Service	3%	5%
	Total	100%	100%
	Level 1 individual subject competency weighting	80%	20%
	<u>Training Provider calculation</u> Level 1 in-school mark: Calculated by the training provider by combining the 80% theory and 20% practical subject competency weightings		X%
	<u>ITA calculation</u> Note: the final mark for determining credit for the Level is calculated by ITA Direct Access. This calculation will be based on 80% in-school mark and 20% of the Level exam score.		X%

Program:		Motorcycle Mechanic (Motorcycle & Power Equipment Technician) Apprenticeship	
In-school Training: ITADirectAccess Code:		Level 2 0166MR12	
Line	Subject Competencies	Theory Weighting	Practical Weighting
D	Lubrication and Cooling Systems	7%	14%
K	Engines	45%	50%
L	Gasket and Seal Construction and Service	9%	4%
M	Precision Measuring Instruments	0%	7%
N	Exhaust Systems	9%	4%
O	Starting and Charging Systems	30%	21%
	Total	100%	100%
	Level 2 individual subject competency weighting	80%	20%
	<u>Training Provider calculation</u> Level 2 in-school mark: Calculated by the training provider by combining the 80% theory and 20% practical subject competency weightings		X%
	<u>ITA calculation</u> Note: the final mark for determining credit for the Level is calculated by ITA Direct Access. This calculation will be based on 80% in-school mark and 20% of the Level exam score.		X%

Program:		Motorcycle Mechanic (Motorcycle & Power Equipment Technician) Apprenticeship Level 3 0166MR12	
In-school Training: ITADirectAccess			
Code:			
Line	Subject competencies	Theory Weighting	Practical Weighting
F	Wheels, Tires and Suspensions	7%	9%
I	Electrical and Electronics	17%	21%
P	Chassis and Suspension	18%	15%
Q	Manual Transmissions	23%	18%
R	Primary Drive Systems	9%	11%
S	Final Drive Systems	12%	9%
T	Hydraulic Systems	14%	17%
	Total	100%	100%
	Level 3 individual subject competency weighting	80%	20%
	<u>Training Provider calculation</u> Level 3 in-school mark: Calculated by the training provider by combining the 80% theory and 20% practical subject competency weighting		X%
	<u>ITA calculation</u> Note: the final mark for determining credit for the Level is calculated by ITA Direct Access. This calculation will be based on 80% in-school mark and 20% of the Level exam score.		X%

Program:		Motorcycle Mechanic (Motorcycle & Power Equipment Technician) Apprenticeship	
In-school Training:		Level 4	
ITADirectAccess:		0166MR12	
Line	Subject competencies	Theory Weighting	Practical Weighting
I	Electrical and Electronics	34%	34%
U	Fuel Systems	43%	46%
V	Manual Transmissions	23%	20%
	Total	100%	100%
	Level 4 individual subject competency weighting	80%	20%
	<u>Training Provider calculation</u> Level 4 in-school mark: Calculated by the training provider by combining the 80% theory and 20% practical subject competency weightings		X%
	<u>ITA calculation</u> Note: the final mark for determining credit for the Level is calculated by ITA Direct Access. This calculation will be based on 80% in-school mark and 20% of the Level exam score.		X%