



★ **OFFICIAL PROGRAM STANDARDS NOTIFICATION** ★

Issued: October 26, 2012

**Program: Automotive Service Technician 1
Automotive Service Technician 2
Automotive Service Technician 3
Automotive Service Technician (AST 4)**

To: ITA Training Providers
Automotive Training Standards Organization (ATSO)
ACE IT School Districts

**RE: REF: 2012 015
NEW PROGRAM OUTLINES FOR AUTOMOTIVE SERVICE TECHNICIAN
PROGRAMS**

Timing: Effective January 2013

Information:

Background

This OPSN is to advise that new Program Outlines for the Automotive Service Technician (AST) programs have been approved by ITA and are available on the ITA web site www.itabc.ca. This update follows a review of the AST programs by the Automotive Training Standards Organization (ATSO). The program review was initiated by a change to the National Occupational Analysis (NOA) in 2009 and was conducted with industry subject matter experts and training provider representatives.

The revised Assessment Guidelines are attached and must be followed to determine the in-school marks for AST 1, 2, 3 & 4.

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ASSESSMENT GUIDELINES

Program: **Automotive Service Technician Apprenticeship**

Requirements: **In School Training**

Training Providers delivering Automotive Service Technician Apprenticeship in-school Technical Training 1, 2, 3 and 4 are required to submit the following assessment result for each apprentice for entry in ITA Direct Access:

- An in-school mark in the form of a percentage (minimum 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. Subject Competencies & Weightings Tables showing the AST 1, 2, 3 & 4 competencies and weightings for each competency are shown on pages 4 - 7.
 - The final theory subject competency mark is calculated based on 100% of accumulated individual competencies.
 - The final practical subject competency mark is calculated based on 100% of accumulated individual competencies.
- The final in-school mark for entry in ITA Direct Access is calculated by applying a weighting of 80 % to the final theory result and a weighting of 20 % to the final practical result and then adding the two results together. Refer to the attached Subject Competencies & Weightings Tables for each AST program.

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

ITA Certificate of Qualification Exams

Apprentices registered in AST 1, 2 and AST 3 are required to write a C of Q exam after completing their in-school training, in order to achieve their C of Q in AST 1,2 and 3. A score of 70% or greater is required for a pass.

C of Q exams may be requested by training providers via the usual ITA procedure.

ITA will administer and invigilate the C of Q exam, mark the exam and record exam results in ITADirectAccess.

ITA AST 4 Standardized Examination

ITA Direct Access will calculate the ITA AST 4 standardized exam mark once the in-school training mark has been entered into the system. The ITA standardized exam is not a C of Q exam and will be blended with the in-school mark to determine an ITA AST 4 final mark. The AST 4 in-school mark will be weighted at 80% and the ITA standardized exam mark will be weighted at 20%. A score of 70% or greater is required for a pass when combining the final in-school mark and the final ITA standardized exam mark.

Interprovincial (Red Seal) Exam

AST 4 apprentices are also required to write the AST Interprovincial (Red Seal) exam after completing their in-school training, in order to acquire their AST Certificate of Qualification with the Red Seal Endorsement. 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 AST Interprovincial (Red Seal) exam and score and record exam results in ITA Direct Access.

Grading Sheet: Subject Competencies and Weightings Tables

Program: In-school Training: ITA Direct Access Code:		Automotive Service Technician Apprenticeship AST 1 0002AM101	
Line	Subject Competencies	Theory Weighting	Practical Weighting
1A	Workplace Safety	8%	2%
1B	Employability Skills	2%	0%
1C	Tools and Equipment	8%	9%
1D	General Automotive Maintenance	12%	10%
1E	General Automotive Practices	4%	8%
1F	Basic Electrical Systems	18%	19%
1G	Brake Systems	18%	22%
1H	Steering Systems	18%	20%
1I	Suspension Systems	12%	10%
	Total	100%	100%
	AST 1 in-school mark weighting	80%	20%
	AST1 in-school mark is calculated by the training provider by combining the 80% theory and 20% practical subject competency weightings. The final weighted mark for the AST 1 in-school session is entered into ITA Direct Access by the training provider.	X%	

Program: In-school Training: ITA Direct Access Code:		Automotive Service Technician Apprenticeship AST 2 0002AM201	
Line	Subject Competencies	Theory Weighting	Practical Weighting
2A	Advanced Electrical Systems	20%	31%
2B	Heating, Ventilation and Air Conditioning Systems	22%	17%
2C	Engines	38%	39%
2D	Engine Support Systems	18%	13%
2E	Hybrid Vehicle Safety	2%	0%
	Total	100%	100%
	AST 2 in-school mark weighting	80%	20%
	AST 2 in-school mark is calculated by the training provider by combining the 80% theory and 20% practical subject competency weightings. The final weighted mark for the AST 2 in-school session is entered into ITA Direct Access by the training provider.		X%

Program:		Automotive Service Technician Apprenticeship	
In-school Training:		AST 3	
ITA Direct Access			
Code:		0002AM301	
Line	Subject competencies	Theory Weighting	Practical Weighting
3A	Electrical and Electronic Systems	18%	14%
3B	Fuel Delivery Systems	24%	18%
3C	Electronic Ignition Systems	18%	22%
3D	Engine Management Systems	27%	25%
3E	Emission Control Systems	13%	21%
	Total	100%	100%
	AST 3 in-school mark weighting	80%	20%
	AST 3 in-school mark is calculated by the training provider by combining the 80% theory and 20% practical subject competency weightings. The final weighted mark for the AST 3 in-school session is entered into ITA Direct Access by the training provider.	X%	

Program:		Automotive Service Technician Apprenticeship	
In-school Training:		AST 4	
ITA Direct Access			
Code:		0002AM401	
Line	Subject competencies	Theory Weighting	Practical Weighting
4A	Clutch Systems	6%	5%
4B	Manual Transmissions	8%	14%
4C	Automatic Transmissions	55%	46%
4D	Drive Lines	7%	13%
4E	All-Wheel Drive/Four Wheel Drive Systems	12%	22%
4F	New Drive Line Technology	12%	0%
	Total	100%	100%
	AST 4 in-school mark weighting	80%	20%
	AST4 in-school mark is calculated by the training provider by combining the 80% theory and 20% practical subject competency weightings. The final weighted mark for the AST 4 in-school session is entered into ITA Direct Access by the training provider.	X%	
	Calculated by ITA ITA Direct Access will calculate this percentage weighting once the in-school marks have been entered. Combined AST 4 in-school theory and practical subject competency multiplied by:	80%	
	Calculated by ITA ITA Direct Access will calculate this percentage weighting once the in-school exam marks have been entered. AST 4 exam score multiplied by:	20%	
	Calculated by ITA The final mark for determining credit for AST 4 is calculated using ITA Direct Access by applying the multiple factor – 80% to the in-school mark and 20% to the AST 4 exam mark.	X	