

Issued: February 28, 2014

Programs: Heavy Mechanical Trades:
Heavy Duty Equipment Technician (Heavy Duty Equipment Mechanic)
Truck and Transport Mechanic (Commercial Transport Vehicle Mechanic)
Diesel Engine Mechanic
Transport Trailer Technician (Commercial Trailer Mechanic)

To: ITA Recognized Training Providers
HD/CT Articulation Committee
ACE IT School Districts

RE: **OPSN 2014 003**
**LAUNCH OF THE NEW HEAVY MECHANICAL TRADES PROGRAMS; APPRENTICE
TRANSITION INFORMATION; RED SEAL TRADE NAME ALIGNMENT**

Timing: Effective September 1, 2014: Training delivery

Background The Transportation Career Development Association, working with industry and training providers brought forward a recommendation for significant updating and restructuring of four heavy mechanical trades. ITA approved a new model for these heavy mechanical trades in BC in 2013.

Effective September 1, 2014 the new apprenticeship training model will begin to replace the existing Heavy Duty Equipment Technician (HDET), Truck and Transport Mechanic (TTM), Diesel Engine Mechanic (DEM) and Transport Trailer Technician (TTT) training and certification models. The new program structure supporting these trades will provide a path to receiving a Certificate of Apprenticeship (C of A) and a Certificate of Qualification (C of Q) for each of the four trades as well as a Red Seal Endorsement for the three Red Seal trades.

For more information, refer to ITA program pages:
<http://www.itabc.ca/program/heavy-duty-equipment-technician>
<http://www.itabc.ca/program/truck-and-transport-mechanic>
<http://www.itabc.ca/program/diesel-engine-mechanic>
<http://www.itabc.ca/program/transport-trailer-technician>

Program Name Changes

In conjunction with the recommendation for a new model of technical training and certification, Transportation Career Development Association (TCDA) recommended aligning heavy mechanical trades’ names in BC with the national Red Seal nomenclature. Previously in BC, both a recognized BC trade name and the national Red Seal trade names have been used to reference these trades. Effective April 1, 2014 these trades will be identified using their Red Seal name.

Heavy Duty Equipment Mechanic becomes **Heavy Duty Equipment Technician**

Commercial Transport Vehicle Mechanic becomes **Truck and Transport Mechanic**

Commercial Trailer Mechanic becomes **Transport Trailer Technician**

Diesel Engine Mechanic does not have a Red Seal endorsement associated with the trade and remains Diesel Engine Mechanic as a recognized trade in BC.

New Program Structure

The new program structure introduces common levels of technical training across four heavy mechanical trades. Apprentices will be expected to complete either 2 or 4 levels of technical training depending on their trade. An **optional** Foundation program supports pre-apprenticeship training for all four heavy mechanical trades with credit granted for Level One technical training and 450 hours of work based training time toward each of the four trades.

For a graphical overview of the new program structure and detailed apprentice and challenger program information, please refer to the credentialing model found in the ITA Program Profiles for these trades.

| Trade Program | Technical Training Blocks and Duration | Work Based Training Requirement | Recognition |
|---------------------------------|--|---------------------------------|---|
| Heavy Duty Equipment Technician | Level One, 10 weeks (common: HDET, TTM, DEM, TTT) Level Two, 8 weeks (common: HDET, TTM, DEM) Level Three, 6 weeks (common: HDET, TTM) Level Four, 4 weeks (unique: HDET) | 6000 WBT hours | Certificate of Apprenticeship Certificate of Qualification with Interprovincial Red Seal endorsement |

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|--|---|----------------|--|
| Truck and Transport Mechanic | <p>Level One, 10 weeks (common: HDET, TTM, DEM, TTT)</p> <p>Level Two, 8 weeks (common: HDET, TTM, DEM)</p> <p>Level Three, 6 weeks (common: HDET, TTM)</p> <p>Level Four, 4 weeks (common: TTM, TTT)</p> | 6000 WBT hours | <p>Certificate of Apprenticeship</p> <p>Certificate of Qualification with Interprovincial Red Seal endorsement</p> |
| Diesel Engine Mechanic | <p>Level One, 10 weeks (common: HDET, TTM, DEM, TTT)</p> <p>Level Two, 8 weeks (common: HDET, TTM, DEM)</p> | 3000 WBT hours | <p>Certificate of Apprenticeship</p> <p>Certificate of Qualification</p> |
| Transport Trailer Technician | <p>Level 1, 10 weeks (common)</p> <p>Level 2, 4 weeks (common with TTM level 4)</p> | 3000 WBT hours | <p>Certificate of Apprenticeship</p> <p>Certificate of Qualification with Interprovincial Red Seal endorsement</p> |
| | | | |
| Heavy Mechanical Trades Foundation (<i>optional</i>) | <p>Pre-apprenticeship and Level One, 36 weeks (common)</p> | N/A | <p>Level 1 technical training</p> <p>450 WBT hours toward apprenticeship</p> |

To receive a BC Certificate of Qualification and where applicable, the Red Seal endorsement, apprentices must:

- Achieve 70% or better on technical training
- Achieve 70% or better on the Interprovincial Red Seal examination or BC Certificate of Qualification examination
- Complete the requisite Work Based Training hours
- Acquire a recommendation for certification (RFC) from their sponsor

In Direct Access (DA), the new programs will appear with the prefix “HMT” to differentiate from the existing programs in the system:

HMT – Heavy Duty Equipment Technician

HMT – Truck and Transport Mechanic

HMT – Diesel Engine Mechanic

HMT – Transport Trailer Technician

For detailed program information, refer to new Program Profile and Program Outline documents available at www.itabc.ca .

Transitioning to the new model

A paced implementation of the new model is planned over several years in order to provide time for apprentices to complete all levels of technical training under the existing model. Effective September 2014, training providers must be delivering the new Foundation and new Level 1 programs. The pre-apprenticeship ‘Module 1 and apprenticeship Level 1 of HDET, TTM and DEM under the old model must no longer be offered. Apprentices who have completed Module 1 pre-apprenticeship training for HDET or TTM, but not yet completed Level 1 training successfully will proceed into Level 1 of the new program. Apprentices who have completed Level 1 of HDET, TTM or DEM will proceed into Level 2 of the old programs.

Over successive years, Levels 2 through 4 will also be transitioned. Each stage of this transition will be preceded with communication from ITA to all registered apprentices who require the level of apprenticeship training that will be closing down each year in order to direct them into training before the old level of their program is phased out.

Effective **September 2014:**

- HDET, TTM: “Module 1” pre-apprenticeship training is replaced by the optional Foundation program for entry level trainees. The new Foundation program includes recognition for Level 1 technical training toward apprenticeship
- HDET, TTM, DEM: Level 1 training under the old model is replaced with the new Foundation and Level 1 programs supporting all four Heavy Mechanical Trades.
- TTT: Level 1 training is introduced as part of the new Level 1 program

Effective **September, 2015:**

- HDET: Level 2 training under the old model is replaced with new Level 2
- TTM (CTVM): Level 2 training under the old model is replaced with new Level 2
- DEM: Level 2 training under the old model is replaced with new Level 2
- TTT: No change

Effective **September, 2016:**

- HDET: Level 3 training under the old model is replaced with new Level 3
- TTM (CTVM): Level 3 training under the old model is replaced with new Level 3
- TTT: No change

Effective **September, 2017:**

- HDET: Level 4 training under the old model is replaced with new Level 4
- TTM (CTVM): Level 4 under the old model is replaced with new Level 4
- TTT: Level 2 training is introduced as part of the new TTM Level 4 program

Once the new model is fully implemented, any apprentices who have not completed technical training requirements of their program under the old model will have an option to challenge the qualification provided they meet the requirements to challenge, or challenge individual levels of technical training in order to transition into the new program.

Scheduling Exams

Certification exams will continue to be scheduled with ITA via the existing procedure. Training providers are required to complete an ITA Exam Request Form six weeks prior to the scheduled exam date. ITA will invigilate these exams. In addition to the certification exams after completion of the final level of training, as the new program begins to roll-out, ITA will be pilot testing and implementing level exams. Future Official Program Standards Notifications (OPSNs) will provide additional detail regarding the launch of level exams for the Heavy Mechanical Trades.

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