

Carpenter Harmonization

**Transition Plan
Version 4**

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Abbreviations

CL	Current level (Jan 2016)
FDN	Foundation program
HL	Harmonized level (Mar 2017)
NOA	Red Seal National Occupational Analysis
RSOS	Red Seal Occupational Standard; replaces NOA
SLE	Standardized Level Exam
TP	Training provider
TT	Technical training
TW	Trade worker
WBT	Work-based training

Introduction: Harmonization

The Canadian Council of Directors of Apprenticeship (CCDA) is responsible for the Red Seal Program, which develops common interprovincial standards and examinations. The CCDA is undertaking the Harmonization Initiative in 30 Red Seal trades. British Columbia is an active participant in this initiative.

The goal is to substantively align apprenticeship systems across Canada by making apprenticeship training requirements more consistent in the Red Seal trades.

Harmonization Priorities

1. Use of Red Seal trade name
2. Consistent total training hours (in-school and on-the-job)
3. Same number of training levels
4. Consistent sequencing of training content, including use of most recent National Occupational Analysis.

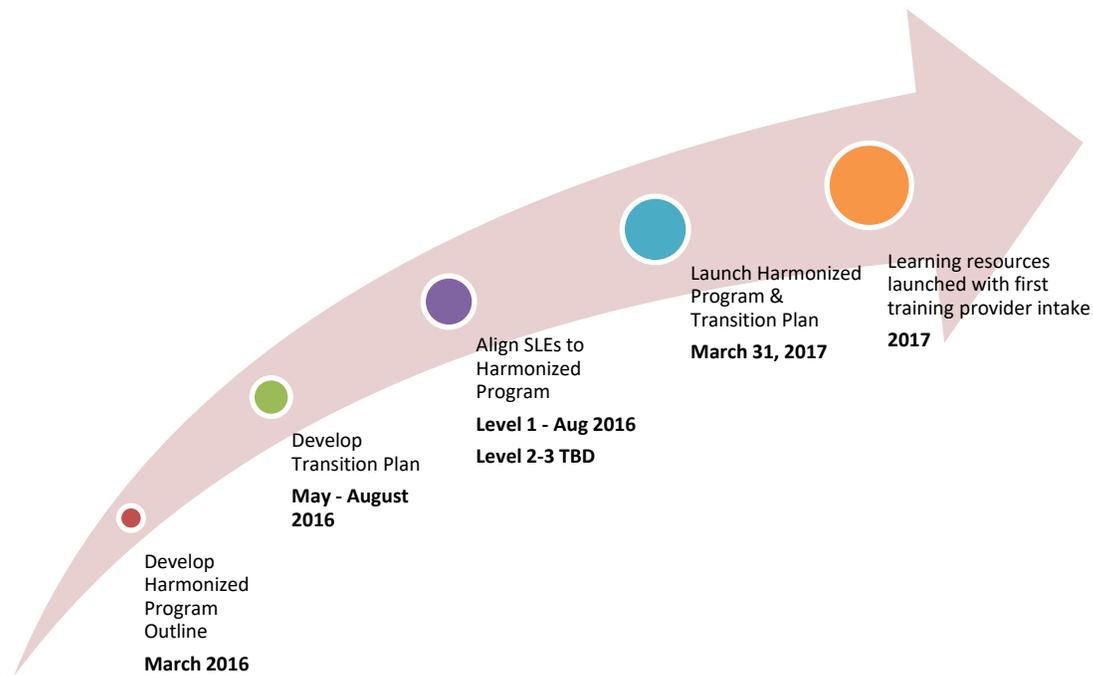
What's changing for CARPENTER	Changing in BC?	What will it be?
TRADE NAME	NO	Carpenter
NUMBER OF TRAINING LEVELS	NO	4
TOTAL HOURS technical + work-based training	YES	7200 hours Decreased by 120 work-based hours
TRAINING SEQUENCE order of subjects taught	YES	Some changes to sequence

Transition Planning Process

The re-sequencing of the Carpenter program through the Harmonization Initiative has resulted in changes to the sequencing of technical training.

We have consulted with the Deans of the 13 public post-secondary institutions that deliver the Carpentry program and have also considered the input of the articulation committee and our internal partners. We evaluated a number of scenarios, and the transition plan outlined in this document has been identified as the best option. We have also ensured that there are options for all current apprentices to complete their apprenticeship.

Transition Plan 2016-2017



Training Providers (13)

BCIT
Camosun College
College of New Caledonia
College of the Rockies
Kwantlen Polytechnic University
North Island College
Northern Lights College

Northwest Community College
Okanagan College
Selkirk College
Thompson Rivers University
University of the Fraser Valley
Vancouver Island University

Note: Not all institutions teach every level.

Transition Plan (Updated April 2022):

Implementation Timelines	
Level 1	March 31, 2017
Level 2	April 1, 2018
Level 3	April 1, 2019
Level 4	April 1, 2020

Year 0 16/17	CL1	CL2	CL3	CL4
Year 1 17/18	HL1	CL2	CL3	CL4
Year 2 18/19	HL1	HL2 Gap Training A 1 week (30 hours)	CL3	CL4
Year 3 19/20	HL1	HL2 Gap Training A 1 week (30 hours)	CL3 HL3	CL4
Year 4 20/21	HL1	HL2	CL3 HL3	HL4 Gap Training B 3 days (17 hours)
Year 5 21/22	HL1	HL2	CL3 HL3	HL4 Gap Training B 3 days (17 hours)
Year 6 22/23	HL1	HL2	HL3	HL4

Work-Based Training Hours (WBT)

In order to align with the harmonized standard of 7,200 hours of total training, BC's WBT hours will be **reduced** as follows.

Apprenticeship Pathway (WBT reduced by 120 hours)

Current Program (Jan 2016)	Hours
Technical Training (210 hours X 4 levels = 840 hours)	840
WBT Hours	6,480
Current Total Training Hours	7,320

Harmonized Program (Mar 2017)	Hours
Technical Training (210 hours X 4 levels = 840 hours)	840
WBT Hours	6,360
Harmonized Total Training Hours	7,200

Challenge Pathway and Sign-off Authority (WBT reduced by 180 hours)

Current Program	Hours
WBT Hours	6,480
ITA Formula for Calculating Challenge WBT	X 1.5
Current Challenge WBT Hours	9,720

Harmonized Program	Hours
Harmonized WBT Hours	6,360
ITA Formula for Calculating Challenge WBT	X 1.5
Harmonized Challenge WBT Hours	9,540

NOTE: This reduction in WBT will apply to all TWs who register in or transition to the harmonized program. TWs who are registered in the 2011 or the pre-2017 (current) program will need to complete the WBT associated with those programs.

Current Apprentices

Apprentices who have completed Current Levels (CL) 1-3 and have not yet moved into the Harmonized Program may have gaps in their technical training. They should contact their [Apprenticeship Advisor](#) before registering for their next level of technical training in order to address their gaps.

Standardized Level Exams (SLEs)

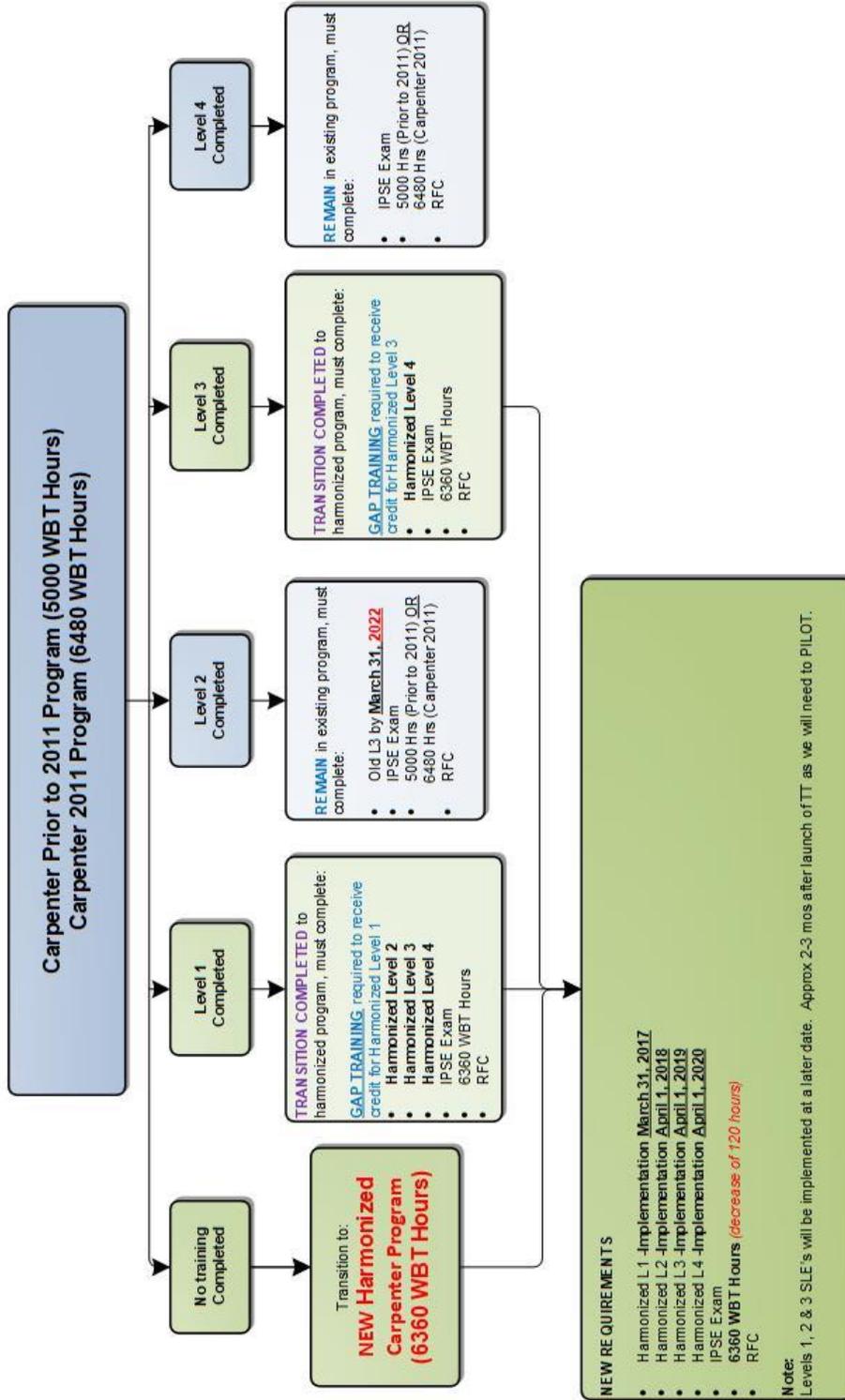
Because of the extent of the changes made to the sequencing of technical training, we will need to develop new Standardized Level Exam (SLEs) for HL1, HL2 and HL3.

SLE	Exam Development	Exam Launch (tentative)
HL1	Late 2016	Fall 2017
HL2	Late 2017	Fall 2018
HL3	Late 2018	Fall 2019

However, in order to pilot the SLEs with an appropriate cohort, the new SLEs will not be available with the first cohort through each of Harmonized Levels.

For the first cohort for HL1, HL2 and HL3, an appropriate SLE will not be available. The TW's final marks will be based on in-class assessment only.

Carpenter Transition Map EFFECTIVE March 31, 2017



Last Updated: **March 31, 2022**
CL3 Extended for another year March 31, 2022 (was March 31, 2021)

Appendix B: Gap Training Details

Gap A CL1→HL2

	Competencies	Missed Topics	Delivery Option
A1	Apply Shop and Site Safety Practices	Safety committees Site inspections Tool box meetings Interpret OHS regulations	No gap training or self-study/ in context learning needed; this is taught in context with all tasks and on the job.
C2	Use Portable Power Tools	Jigsaws Reciprocating saws	On the job & self-study/ in context learning
D1	Use Levelling Instruments and Equipment	Survey circuit Turning points Transfer elevations	6 hours gap training
E1	Use Ladders, Scaffolds and Access Equipment	Scaffolds and temporary access structures	4 hours self-study/ in context learning 8 hours gap training
E2	Use Rigging and Hoisting Equipment	Ropes; rigging equipment; cranes and hoists Use hand signals Tie knots, bends and hitches	4 hours self-study/ in context learning 8 hours gap training
G2	Select Concrete Forming Systems	Formwork and falsework; material and hardware; concrete joints	No gap training required as it is covered in more detail in HL3
G3	Build Footing and Vertical Formwork	Footing forms; wall forms; column forms	2 hours self-study/ in context learning 2 hours gap training
G4	Build Slab-On-Grade Forms and Suspended Slab Forms	Slab-on-Grade	2 hours self-study/ in context learning 2 hours gap training
G5	Install Reinforcement and Embedded Items	Reinforcing for concrete	2 hours self-study/ in context learning 2 hours gap training
G7	Place and Finish Concrete	Delivery and placement of content	2 hours self-study/ in context learning 2 hours gap training
	Total Gap		16 hours of self-study/ in context learning 30 hours of gap training
	Competencies	Repeated Topics	Hours of Overlap
H2	Select Framing Materials	Wood production; defects; manufactured products	2 hours
H4	Build Wall Systems	Wall systems Build walls and partitions	12 hours
H6	Build Roof Systems	Gable roof systems; truss roofs Build a hip roof	18 hours
	Total Overlap		32 hours

GAP B: CL2→HL3

	Competencies	Objective	Practical	Content Moved
D2	Use Site Layout Equipment	Electronic layout equipment; theodolites	Lay out building corners using a theodolite	HL2←CL3
H5	Build Stair Systems	Straight stairs	Build straight stairs with balustrade	HL2←CL3
I3	Install Windows and Hardware	Install windows and hardware	Install a window with flashing	HL2←CL3
I4	Install Exterior Finishes	Install Exterior Finishes	Install exterior siding with flashing	HL2←CL3
J2	Control Heat and Sound Transmission	Describe controlling heat and sound transmission	No	HL2←CL3
J3	Control Air and Moisture Movement in Buildings	Install rainscreen	Install rainscreen for exterior cladding	HL2←CL3
				Total

Gap C CL3→HL4

	Competencies	Missed Topics	Delivery Option
B2	Use Construction Drawings and Specifications	Reflected ceiling plans	No gap training or self-study/ in context learning needed; this is taught in context with all tasks and on the job.
G8	Install Specialized Formwork	Architectural formwork Lay out for the installation of pre-cast, concrete components	6 hours of gap training
H10	Build Decks and Exterior Structures	Decks	Adequately covered in floor systems (17)
I1	Describe Roofing Materials	Entire competency	3 hours of gap training
I7	Install Interior Floor, Ceiling and Wall Systems	Stud walls and partitions; suspended ceilings	8 hours gap training
	Total Gap		0 hours of self-study/ in context learning 17 hours of gap training
	Competencies	Repeated Topics	Strategy
D2	Use Site Layout Equipment	Total stations (only repeating the theory)	Negligible
F2	Prepare Building Site	Entire competency	3 hours
	Total Overlap		3 hours