Issued: August 15, 2022

Program: Lather (Interior Systems Mechanic) (Wall and Ceiling Installer)

To:	ITA Training Providers Articulation Chair System Liaison Person Youth Train in Trades School Districts
Subject:	**Lather (Interior Systems Mechanic) (Wall and Ceiling Installer) Program Update**
OPSN No.:	**OPSN 2022 017**
Effective Date:	**September 1, 2022**
Summary of Change:	Please be advised that the new Harmonized Program Outline and Program Profile have been posted to the Industry Training Authority (ITA) website for implementation on September 1, 2022.
Details:	Over the course of 2021-2022, BC conducted a review of the **Lather (Interior Systems Mechanic) (Wall and Ceiling Installer)** program with the engagement of our industry and training provider partners. The review aligned the provincial program to the Red Seal Occupational Standard (RSOS) and the harmonization recommendations.

The changes to the Lather program are as follows:

Program	Changes in BC?	What will it be?
Trade name	Yes	Lather (Interior Systems Mechanic) • *Removal of the BC trade name – Wall and Ceiling Installer*
Total training hours	No	Technical training – 540 hours Work-based training – 6,000 hours
Number of training levels	No	3
Training sequence	Yes	See attached Competency Migration Chart for details.

The Standardized Level Exams (SLEs) will need to be revised/re-developed to align to the harmonized program. These SLEs will then be piloted with the first cohort of

apprentices that complete the relevant level and then further validated by peer review. **For Level 1 & 2 classes starting on or after Sept 1, 2022, the final mark for that level will be based solely on in-class assessments**. An OPSN will be sent to announce the launch of the Harmonized level exams.

Rationale:	In 2021, BC endorsed the Canadian Council of Directors of Apprenticeship (CCDA) recommendations for harmonization and the adoption of a revised RSOS.
Attachments:	**Lather (Interior Systems Mechanic) Program Competency Migration Chart** This attachment provides details of the revisions made to the Lather Program Profile and Program Outline during the review process.
For more information contact:	Program Standards email: programstandards@itabc.ca
cc:	All Staff

LATHER Program Outline Review Details

Key

Black Text = No change to level	Blue Text = Content moved to lower level = HL←CL. Creates a gap.
CL = Current Level	Purple Text = Content moved to higher level = CL→HL. Creates an overlap.
HL = Harmonized level	Green Text = New content added
	Red Text = Removed

Summary - Competency Migration

The BC Occupational Analysis Chart (OAC) was aligned to the structure of the Red Seal Occupational Standard (RSOS). Therefore, **all of the competencies have been renamed and restructured**. This chart shows the finalized competency distribution for the Lather program. It summarizes the major changes to the competencies. For details, see the charts below.

LATHER HARMONIZED LEVEL 1 (HL1)		LATHER HARMONIZED LEVEL 2 (HL2)		LATHER HARMONIZED LEVEL 3 (HL3)	
Line A	**APPLY SAFE WORK PRACTICES**				
	A1 Use Personal Protective Equipment				
	A2 Control Workplace Hazards				
	A3 Apply GHS 2015 (WHMIS)				
	A4 Apply OHS Regulations and WorkSafeBC Standards				
Not part of TT	A5 Attain First Aid Certification				
	A6 Apply Fall Arrest Procedures				
Line B		**Line B**	**APPLY CODES, STANDARDS, AND DOCUMENTATION**		
			B1 Apply Codes and Regulations		
			B2 Apply Fire Assembly Requirements		
Line C	**USE TRADE RELATED SKILLS**	**Line C**	**USE TRADE RELATED SKILLS**	**Line C**	**USE TRADE RELATED SKILLS**
	C1 Use Blueprints and Specifications		C1 Use Blueprints and Specifications		C1 Use Blueprints and Specifications
	C2 Apply Trade Math		C2 Apply Trade Math		C2 Apply Trade Math
					C3 Plan a Project
	C4 Use Trade Related Communication Skills				
	C5 Describe Construction Trade Structure and Concepts				
Line D	**USE LADDERS, SCAFFOLDS, AND LIFT EQUIPMENT**				
	D1 Use Ladders, Scaffolds, and Aerial Lifts				
	D2 Describe Rigging and Hoisting Practices				
Line E	**USE TOOLS AND EQUIPMENT**				

Key

LATHER HARMONIZED LEVEL 1 (HL1)		LATHER HARMONIZED LEVEL 2 (HL2)		LATHER HARMONIZED LEVEL 3 (HL3)	
	E1 Use Hand Tools				
	E2 Use Power Tools				
	E3 Use Powder-Actuated and Gas-Actuated Tools				
	E4 Use Measurement and Layout Tools				
Line F	**INSTALL INSULATION**	Line F	**INSTALL INSULATION**		
	F1 Install Thermal and Acoustic Insulation				
			F2 Install Vapour Barriers and Sealants		
	F3 Control Mold				
Line G	**INSTALL NON-LOAD-BEARING METAL FRAMING**	Line G	**INSTALL NON-LOAD-BEARING METAL FRAMING**		
	G1 Build Walls, Ceilings and Bulkheads		G1 Build Walls, Ceilings, and Bulkheads		
			G2 Install Wood and Metal Backing		
			G3 Install Pressed Steel Frames		
			G4 Install Access Panels		
		Line H	**INSTALL LOAD-BEARING METAL FRAMING**	Line H	**INSTALL LOAD-BEARING METAL FRAMING**
		HL2/HL3←CL3	H1 Build Wind Load and Axial Load-Bearing Walls	HL2/HL3←CL3	H1 Build Wind Load and Axial Load-Bearing Walls
					H2 Install Exterior Walls and Panelized Systems
					H3 Install Floor Joists
					H4 Describe Roof Rafters
Line I	**INSTALL GYPSUM WALLBOARD PRODUCTS**	Line I	**INSTALL GYPSUM WALLBOARD PRODUCTS**		
	I1 Install Gypsum Wallboard		I1 Install Gypsum Wallboard		
			I2 Install Materials for Lead Radiation Shielding		
			I3 Install Security Mesh		
		Line J	**INSTALL FIREPROOFING AND SOUNDPROOFING**	Line J	**INSTALL FIREPROOFING AND SOUNDPROOFING**
		HL2/HL3←CL3	J1 Install Soundproofing Materials	HL2/HL3←CL3	J1 Install Soundproofing Materials

Key

Black Text = No change to level	Blue Text = Content moved to lower level = HL←CL. Creates a gap.
CL = Current Level	Purple Text = Content moved to higher level = CL→HL. Creates an overlap.
HL = Harmonized level	Green Text = New content added
	Red Text = Removed

LATHER HARMONIZED LEVEL 1 (HL1)		LATHER HARMONIZED LEVEL 2 (HL2)		LATHER HARMONIZED LEVEL 3 (HL3)	
			J2 Install Materials for Fireproofing and Smoke Seals		
			J3 Install Shaft Wall Assemblies		
		Line K	**INSTALL ACOUSTICAL CEILINGS**	Line K	**INSTALL ACOUSTICAL CEILINGS**
			K1 Install Basic Acoustical Ceilings		
					K2 Install Specialty Acoustical Ceilings
				Line L	**INSTALL SPECIALTY SYSTEMS**
					L1 Install Traditional Lath and Trims on Walls and Ceilings
					L2 Build Access Floor Systems
					L3 Build Demountable Partitions
					L4 Install Specialty Ceilings
		Line M	**INSTALL DRYWALL TAPING AND FINISHING**		
			M1 Describe Drywall Finishing Process		
			M2 Install Drywall Compounds, Tape, Beads, Trims and Expansion Joints		
		Line N	**APPLY EXTERIOR BUILDING ENVELOPE TECHNOLOGIES**	Line N	**APPLY EXTERIOR BUILDING ENVELOPE TECHNOLOGIES**
			N1 Install Air and Vapour Barriers		
					N2 Install Exterior Finishes
					N3 Install Rainscreen Systems

LATHER Program Outline Review Details

Key

Black Text = No change to level
CL = Current Level
HL = Harmonized level

Blue Text = Content moved to lower level = HL←CL. Creates a gap.
Purple Text = Content moved to higher level = CL→HL. Creates an overlap.
Green Text = New content added
Red Text = Removed

Details – Competency Migration

This chart shows **where content from the current Lather program (CL) moved to in the harmonized Lather program (HL)** and includes details of content that was moved or split across levels.

CURRENT LEVEL 1 TO HARMONIZED LEVEL 1

CURRENT LEVEL 1 (CL1)	HARMONIZED LEVEL 1 (HL1)	MIGRATION	DETAILS
Line A – APPLY SAFE WORK PRACTICES	**Line A – APPLY SAFE WORK PRACTICES**		
A1 – Use Personal Protective Equipment	A1 – Use Personal Protective Equipment	N/A	
A2 – Control Workplace Hazards	A2 – Control Workplace Hazards	N/A	
A3 – Apply GHS 2015 (WHMIS)	A3 – Apply GHS 2015 (WHMIS)	N/A	
A4 – Apply OHS Regulations and WorkSafeBC Standards	A4 – Apply OHS Regulations and WorkSafeBC Standards	N/A	
A6 – Apply Fall Arrest Procedures	A6 – Apply Fall Arrest Procedures	N/A	
Line C – USE TRADE RELATED SKILLS	**Line C – USE TRADE RELATED SKILLS**		
C1 – Use Blueprints and Specifications	C1 – Use Blueprints and Specifications	N/A	
C2 – Apply Trade Math	C2 – Apply Trade Math	N/A	
C4 – Use Trade Related Communication Skills	C4 – Use Trade Related Communication Skills	N/A	
C5 – Describe Construction Trade Structure and Concepts	C5 – Describe Construction Trade Structure and Concepts	N/A	
Line D – USE LADDERS, SCAFFOLDS, AND LIFT EQUIPMENT	**Line D – USE LADDERS, SCAFFOLDS, AND LIFT EQUIPMENT**		
D1 – Use Ladders, Scaffolds, and Aerial Lifts	D1 – Use Ladders, Scaffolds, and Aerial Lifts	N/A	
D2 – Describe Rigging and Hoisting Practices	D2 – Describe Rigging and Hoisting Practices	N/A	
Line E – USE TOOLS AND EQUIPMENT	**Line E – USE TOOLS AND EQUIPMENT**		
E1 – Use Hand Tools	E1 – Use Hand Tools	N/A	
E2 – Use Power Tools	E2 – Use Power Tools	N/A	
E3 – Use Powder-Actuated and Gas-Actuated Tools	E3 – Use Powder-Actuated and Gas-Actuated Tools	N/A	Removed the Achievement Criteria: The learner will demonstrate proper set up, safe use, disassembly, and maintenance of powder-actuated tools

Key

Black Text = No change to level
CL = Current Level
HL = Harmonized level

Blue Text = Content moved to lower level = HL←CL. Creates a gap.
Purple Text = Content moved to higher level = CL→HL. Creates an overlap.
Green Text = New content added
Red Text = Removed

CURRENT LEVEL 1 (CL1)	HARMONIZED LEVEL 1 (HL1)	MIGRATION	DETAILS
E4 – Use Measurement and Layout Tools	E4 – Use Measurement and Layout Tools	N/A	
Line F – INSTALL INSULATION	**Line F – INSTALL INSULATION**		
F1 – Install Thermal and Acoustic Insulation	F1 – Install Thermal and Acoustic Insulation	N/A	
F3 – Control Mold	F3 – Control Mold	N/A	
Line G – INSTALL NON-LOAD-BEARING METAL FRAMING	**Line G – INSTALL NON-LOAD-BEARING METAL FRAMING**		
G1 – Build Walls, Ceilings and Bulkheads	G1 – Build Walls, Ceilings and Bulkheads	N/A	Added an Achievement Criteria: *The learner will frame out an 8 ft. x 10 ft. mock-up of a steel-framed assembly*
Line I – INSTALL GYPSUM WALLBOARD PRODUCTS	**Line I – INSTALL GYPSUM WALLBOARD PRODUCTS**		
I1 – Install Gypsum Wallboard	I1 – Install Gypsum Wallboard	N/A	Added an Achievement Criteria: *The learner will install gypsum wallboard on an 8 ft. x 10 ft. mock-up of a steel-framed assembly*

CURRENT LEVEL 2 (CL2)	HARMONIZED LEVEL 2 (HL2)	MIGRATION	DETAILS
Line B – APPLY CODES, STANDARDS AND DOCUMENTATION	**Line B – APPLY CODES, STANDARDS AND DOCUMENTATION**		
B1 – Apply Codes and Regulations	B1 – Apply Codes and Regulations	N/A	
B2 – Apply Fire Assembly Requirements	B2 – Apply Fire Assembly Requirements	N/A	
Line C – USE TRADE RELATED SKILLS	**Line C – USE TRADE RELATED SKILLS**		
C1 – Use Blueprints and Specifications	C1 – Use Blueprints and Specifications	N/A	
C2 – Apply Trade Math	C2 – Apply Trade Math	N/A	
Line F – INSTALL INSULATION	**Line F – INSTALL INSULATION**		
F2 – Install Vapour Barriers and Sealants	F2 – Install Vapour Barriers and Sealants	N/A	
Line G – INSTALL NON-LOAD-BEARING METAL FRAMING	**Line G – INSTALL NON-LOAD-BEARING METAL FRAMING**		
G1 - Build Walls, Ceilings and Bulkheads	G1 – Build Walls, Ceilings and Bulkheads	N/A	
G2 - Install Wood and Metal Backing	G2 - Install Wood and Metal Backing	N/A	

Key

Black Text = No change to level
CL = Current Level
HL = Harmonized level

Blue Text = Content moved to lower level = HL←CL. Creates a gap.
Purple Text = Content moved to higher level = CL→HL. Creates an overlap.
Green Text = New content added
Red Text = Removed

CURRENT LEVEL 2 (CL2)	HARMONIZED LEVEL 2 (HL2)	MIGRATION	DETAILS
G3 - Install Pressed Steel Frames	G3 - Install Pressed Steel Frames	N/A	
G4 - Install Access Panels	G4 - Install Access Panels	N/A	
Line H - INSTALL LOAD-BEARING METAL FRAMING	**Line H - INSTALL LOAD-BEARING METAL FRAMING**		
H1 - Build Wind Load and Axial Load Bearing Walls	H1 - Build Wind Load and Axial Load Bearing Walls	HL2/HL3←CL3	Content from CL3 was **split** between HL2 & HL3 HL2 = Describe wind load and axial load bearing walls HL3 = Build wind load and axial load bearing walls, and coordinate installation of utilities post construction
Line I – INSTALL GYPSUM WALLBOARD PRODUCTS	**Line I – INSTALL GYPSUM WALLBOARD PRODUCTS**		
I1 - Install Gypsum Wallboard	I1 - Install Gypsum Wallboard	N/A	
I2 - Install Materials for Lead Radiation Shielding	I2 - Install Materials for Lead Radiation Shielding	N/A	
I3 - Install Security Mesh	I3 - Install Security Mesh	N/A	
Line J - INSTALL FIREPROOFING AND SOUNDPROOFING	**Line J - INSTALL FIREPROOFING AND SOUNDPROOFING**		
J1 - Install Soundproofing Materials	J1 - Install Soundproofing Materials	HL2/HL3←CL3	Content from CL3 was **split** between HL2 & HL3 HL2 = Describe soundproofing assembly materials and use caulking equipment HL3 = Install materials for soundproofing assemblies
J2 - Install Materials for Fireproofing and Smoke Seals	J2 - Install Materials for Fireproofing and Smoke Seals	N/A	
J3 - Install Shaft Wall Assemblies	J3 - Install Shaft Wall Assemblies	N/A	Note a change to the Achievement Criteria: *The learner will install a mock-up of a shaft wall system with all components, to a maximum of ~~64~~ 28 sq. ft.*
Line K – INSTALL ACOUSTICAL CEILINGS	**Line K – INSTALL ACOUSTICAL CEILINGS**		
K1 - Build Basic Acoustical Ceilings	K1 - Install Basic Acoustical Ceilings	N/A	
Line M – INSTALL DRYWALL TAPING AND FINISHING	**Line M – INSTALL DRYWALL TAPING AND FINISHING**		
M1 - Describe Drywall Finishing Process	M1 - Describe Drywall Finishing Process	N/A	
M2 - Install Drywall Compounds, Tape, Beads, Trims, and Expansion Joints	M2 - Install Drywall Compounds, Tape, Beads, Trims, and Expansion Joints	N/A	Note changes to the Achievement Criteria: 1. *The learner will install a horizontal bead, a vertical bead, and a 3-way corner and replace/repair damaged drywall and bead.* 2. *Removal of the second Achievement Criteria:*

Key

Black Text = No change to level

Blue Text = Content moved to lower level = HL←CL. Creates a gap.

CL = Current Level

Purple Text = Content moved to higher level = CL→HL. Creates an overlap.

HL = Harmonized level

Green Text = New content added

Red Text = Removed

CURRENT LEVEL 2 (CL2)	HARMONIZED LEVEL 2 (HL2)	MIGRATION	DETAILS
			~~The learner will install, fit, and finish reveals and/or expansion joints.~~
Line N - APPLY EXTERIOR BUILDING ENVELOPE TECHNOLOGIES	Line N - APPLY EXTERIOR BUILDING ENVELOPE TECHNOLOGIES		
N1 - Install Air and Vapour Barriers	N1 - Install Air and Vapour Barriers	N/A	

CURRENT LEVEL 3 (CL3)	HARMONIZED LEVEL 3 (HL3)	MIGRATION	DETAILS
Line C – USE TRADE RELATED SKILLS	Line C – USE TRADE RELATED SKILLS		
C1 - Use Blueprints and Specifications	C1 - Use Blueprints and Specifications	N/A	
C2 - Apply Trade Math	C2 - Apply Trade Math	N/A	
C3 - Plan a Project	C3 - Plan a Project	N/A	
Line H - INSTALL LOAD-BEARING METAL FRAMING	Line H - INSTALL LOAD-BEARING METAL FRAMING		
H1 - Build Wind Load and Axial Load-Bearing Walls	H1 - Build Wind Load and Axial Load-Bearing Walls	N/A	
H2 - Install Exterior Walls and Panelized Systems	H2 - Install Exterior Walls and Panelized Systems	N/A	
H3 - Install Floor Joists	H3 - Install Floor Joists	N/A	
H4 - Describe Roof Rafters	H4 - Describe Roof Rafters	N/A	
Line J – INSTALL FIREPROOFING AND SOUNDPROOFING	Line J – INSTALL FIREPROOFING AND SOUNDPROOFING		
J1 – Install Soundproofing Materials	J1 – Install Soundproofing Materials	N/A	
Line K – INSTALL ACOUSTICAL CEILINGS	Line K – INSTALL ACOUSTICAL CEILINGS		
K2 - Build Specialty Acoustical Ceilings	K2 - Install Specialty Acoustical Ceilings	N/A	
Line L – INSTALL SPECIALTY SYSTEMS	Line L – INSTALL SPECIALTY SYSTEMS		
L1 – Install Traditional Lath and Trims on Walls and Ceilings	L1 – Install Traditional Lath and Trims on Walls and Ceilings	N/A	
L2 - Build Access Floor Systems	L2 - Build Access Floor Systems	N/A	Note a change to the Achievement Criteria: *The learner will build an access floor (*~~*maximum 100 sq. ft.*~~ *minimum 64 sq. ft.**)*
L3 - Build Demountable Partitions	L3 - Build Demountable Partitions	N/A	Note a change to the Achievement Criteria:

CURRENT LEVEL 3 (CL3)	HARMONIZED LEVEL 3 (HL3)	MIGRATION	DETAILS
			The learner will install a mock-up of a shaft wall system with all components, to a maximum of 64 28 sq. ft.
L4 - Install Specialty Ceilings	L4 - Install Specialty Ceilings	N/A	
Line N – APPLY EXTERIOR BUILDING ENVELOPE TECHNOLOGIES	**Line N – APPLY EXTERIOR BUILDING ENVELOPE TECHNOLOGIES**		
N2 - Install Exterior Finishes	N2 - Install Exterior Finishes	N/A	
N3 - Install Rainscreen Systems	N3 - Install Rainscreen Systems	N/A	