

## Sheet Metal Articulation – June 21, 2022

In attendance:

Brian Coey (Camosun)  
Antonio Henriques (Okanagan)  
Jake LeBlanc (SMWTC)  
Erich Moeller (BCIT)  
Teresa Kisilevich (Okanagan)  
Jesse Cramp (RCABC)

Meeting starts at 8:36am

### Welcome and introductions

Eric Sehn - Dean, School of Trades and Technology expressed how great it is to have everyone here and thanked them for coming.

### Discussions of proposed agenda

No changes or adjustments to Agenda. Minutes accepted from 2021.

**ITA Presentation** – Presented by Vern Weber.

Not included in minutes. Vern will send Brian a report with all of the presentation information.

### ITA Presentation Q&A

Tony asked if the ITA can bring back a practice SLE test. **ACTION:** Vern will follow up and have an answer by tomorrow.

Tony asked if instructors, Chairs and program leads can be added to the OPSN lists? **ACTION:** Vern will look into this and have an answer by tomorrow.

Jake – asked if the ITA will make any provisions around compulsory trades for long time apprentices that haven't been to school for a while? Vern was not sure what's in place but explained that the ITA does not want this to become an obstacle. Vern expects there will be something in place that will allow for accommodation. Anyone who is 5-10 years to retirement, they will leave alone. Others below 5-10 years until retirement will have an assessment. Brian had a situation where a level 4 student came in January. He has a documented head injury and requested to post-pone the IP exam. The ITA did an assessment and put him at HL 2. The assessment was not viable option for him and there was no opportunity to have the school or employers sign off. There was no discussion, the student was just told that is where he would be placed. Brian is concerned that is how compulsory trades will be assessed.

Eric asked if the ITA would be interested in talking to EI and HRDC and bringing back an attendance policy. Employers are missing that information and attendance does not seem to be a top priority to students since Covid. **ACTION:** Vern has heard similar from other trades and will raise it with Colleen.

Eric asked if there will be an OPSN issued discussing employer sign offs for gap training? Vern said yes, they will issue an OPSN.

The committee reviewed the ITA Sheet Metal Program Outline with Vern. Vern took notes.

### **Curriculum Resource Development – presented by Brian Coey**

Camosun and Okanagan Colleges received a \$50,000 grant from BC Campus. \$20,000 went to Camosun and \$20,000 went to Okanagan. Camosun College graphics received \$10,000, Okanagan College sends their graphic work to Camosun. Brian just completed line K level 1. The hope is that level 1 will be done by end of year. The information is available online in multiple formats and is editable to your own class. Layout, ductwork, material identification and fasteners are complete with graphics. Line K is about to get started for graphics and will be launched late fall or early winter. Tony – numeracy is with graphics, wrapping up oxy fuel and plasma cutting. After he will move to SMAW and GMAW. Anyone from the articulation committee is invited to join in on the development. Jake is interested in participating and will follow up on his end. BC Campus will continue funding until level 4 is complete. Sheet metal has been identified as a trade in need of resources.

### **Teresa Kisilevich – SLP**

Teresa joined the meeting, the committee did not have any questions for her.

### **Reports from training institutions**

Not included in minutes. All reports will be emailed to Brian.

### **Old and New Business**

**COVID struggles/solutions/concerns** - no concerns or comments.

**Any additional new business from discussions or as requested by articulation members present** – next RSOS will be in 2023. There was discussion over the ITA program outline not aligning with the curriculum. The committee felt it would be beneficial to have the RSOS broadened to expand from 5. The committee discussed how they each deliver tests etc. to cover off removed content such as numeracy and safety and in general preparation of SLE exams. The committee also discussed theory and practical weighting and how theory is lightly weighted for the ASM program. Jake expressed concerns over marking individual students. He also expressed concerns over the ASM SLE. Students are struggling. This could be due to factors such as student literacy skills, exam wording and the exam not having many architectural questions on it. It was also discussed that ASM is working on a red seal program. The committee felt they needed more time to discuss this topic. **MOTION:** a motion was brought forward for the Chair of the articulation committee, Tony to contact Vern for an ASM meeting. Motion passed.

**Election of chairs** – Tony and Brian remain as co-Chairs.

**Determine date, time and location of next Articulation meeting** – Okanagan College. June 27 and 28, 2023.

Adjournment: 2:10 pm

## **Institution Reports**

### **Okanagan College 2022 Articulation Institution Report**

This institutional report will retrace training at Okanagan College from June 2021 in a 12-month increment and forecast the next 12 months to June 2023.

#### **June 2021 – June 2022**

For this period Okanagan College offered 7 intakes in total. 2 Harmonized level 1 intakes. 2 harmonized level 2 intakes, one of the intakes received gap training and one did not. 1 harmonized level 3 intake with no gap. 2 current level 4 intakes which were Okanagan Colleges last. Classes were held on campus for the majority of the week with one day being held with online delivery.

#### **June 2022 – June 2023**

For this upcoming period Okanagan College has the following offerings of intakes, 2 harmonized level 1, 1 harmonized level 2 with no GAP, 1 harmonized level 3 with no GAP, and 1 Harmonized level 4 intake. All Classes have a capacity of 16 students, and most are currently fully enrolled and waitlisted.

#### **Facilities and Equipment**

There has been no new equipment acquired in the last 12 months. Okanagan College has focused on major maintenance of integral equipment. Gas cylinders were recharged on the 10' hydraulic shear as well as removing the blades and sending them out for re-sharpening. The 10' brake press had gaskets on the hydraulic cylinders replaced and components prone to failure prematurely replaced.

## Sheet Metal Workers Training Centre

### Articulation Report June 2022

2021 was a year shaped by our response to the COVID-19 pandemic in the context of a succession plan formulated in 2019. The Sheet Metal Industry Training Board continued to face the significant challenges, support its apprentices and contractors, and prioritize the safe delivery of technical training all while enacting a bold and extraordinary succession plan for our future. This plan includes creating capacity to expand our Technical and Specialty Training, a re-think of leadership, and how to embrace the next generation of team focused instructional and administration work.

The Board recognized some time ago the need to increase our current and future capacity to deliver technical training and began the exhaustive (or perhaps exhausting) search for a new facility. The decision of what type of facility to purchase came when a few realities became apparent: Any properties of the size needed for the full expansion were beyond our financial capacity and would necessitate selling the current facility. Any disruptions to the current technical training schedule would exacerbate the existing backlog, so a second facility was the logical choice. The new “Valley” facility purchase was finalized in June of 2021 and is in the beginning phase of renovations while the existing school continue to operate at over capacity. It is expected to be operational by the end of 2022.

## Classes and Apprentice numbers

- Beginning of 2021 – 469 apprentices
- End of 2021 – 523 – 8.9% increase
- New applications in 2021 - 200
- Indentured apprentices in 2021 – 125
- 58 new journeypersons
- 10 new Architectural Sheet Metal journeypersons.

We offered 14 classes in 2021, (28 separate classes) with 202 students in total.

The pandemic offers unique challenges to adjust our operations to respond to public health orders while balancing industry labour and training needs. Our blended learning model of theoretical training online and onsite technical training has been exceptional.

It is designed as a response to the needs of staff and students to continue to work and learn when faced with illness. Even with COVID-19 pandemic restrictions, we continued to surpass a system designed for maximum of 170 students.

## Specialty Training

We will begin offering specialty training again later this fall or early spring 2023. The Fan Service Speciality Training class will be one of the first classes with the equipment funded through our *Technology and an Inclusive Workforce* [UTIP](#) Project.

AutoCAD which was previous offered as specialty training is now being integrated into the technical training. As a result, over 200 students are now using Computer Aided Design software to do what used to be done on the original drafting boards from the Centre's opening in 1992.

## **Apprentice Contests**

Apprentice contests continued to be impacted by the COVID-19 pandemic and ongoing physical distancing requirements. The BC Skills in 2021 was cancelled and the Skills Canada contest in Quebec City was hosted as a virtual informational event in lieu of face to face interactions with participants. BC Skills did not run a Sheet Metal Contest this Spring, but the Skills Canada Contest is being hosted in person for the post-Secondary contests in Vancouver. The Canadian contest did not run in 2020 or 2021 but is tentatively scheduled to return in August of 2022. The Training Centre made the decision to forego the Annual Apprentice Contest in November again given the ongoing public health orders. We hope to host the SMWTC Annual Apprentice Contest this year and it is tentatively scheduled for November 26, 2022.

## **Updates**

The Training Centre continues to be an industry leader by building on the COVID-19 pandemic as an opportunity for innovation, adaptation and increased digital literacy skills, not only for our apprentices but also for our staff. In 2022, we continue to rely on part-time instructors Scott Wilcox from Spectrum Sheet Metal Ltd. and Patrick Welsh of Viaduct Sheet Metal. Matt Cleary from Austin Metal Fabricators LP was hired on full time to assist in the delivery of technical training. We appreciate the contractors for the flexibility to work for the Training Centre.

## BCIT Sheet Metal department

### Program Report for June 2022 Articulation Meeting

Our delivery plan is finally settling into a rhythm after Harmonization October 2021 marked the last delivery of current Level 4. The first trial for SLE Harm 3 began in May.

Our first Harm 4 class is halfway through their training.

Moving forward, extra Level 1 & 2 classes have been added to the 2022/2023 schedule due to increasing demand. Classes are filled for the remainder of the year and into next year however foundation numbers are still slow to increase.

Inquiries about STC (Skilled Trade Certification) and the impact of this initiative continue to trickle in to the department.

We have been pleased to retain Vincent Penner through the past year and hope this trend continues. We also welcome Alyssa DeVille who is also a program graduate and former Skills BC winner and SCNC competitor. She has been teaching classes for us on contracts since last October. Developing these 2 faculty members is an important element in the future of the department.

Material costs continue to rise and supply chain issues are a problem for all types of training aids. Everything from electronics to paper products have become more expensive and harder to obtain.

Camosun College Articulation report

HLI-2

HL2-1 No Gap

HL3-2

CL4-1

All Covid protocols have been removed from campus, we are back to normal.

Apprentice classes are full, we are booked out until 2025. Foundations numbers are down though and we are struggling to fill spots.

We have run our last CL4 and are fully transitioned to all harmonized classes going forward. We have a couple students who completed HL2 that never did HL1, so they are awaiting ITA guidance on transitioning. There was a student in the last CL4 who tried to get put into the harmonized stream, but was told he would have to go back to HL2. So he continued with HL4 and failed the IP.

We had much better success with our last IP with 13/15 passing.

We still do all testing, with the exception of IP's, online. We were doing so before covid and will continue with online testing. We continue to use online resources and D2L with all classes.

We have just hired a full time instructor who has been term for 2 years. Our new term instructors have moved on to other jobs and we are having a hard time finding replacements.

No new machinery lately, but I'm still hoping to get a new CNC. I've been trying for a laser, but will probably end up with a plasma eventually.

I've been working fairly steadily on BCcampus books for the last 6 months, but due to a shortage of instructors, I may be going back to teaching this fall.



## Roofing Contractor's Association of British Columbia Institution Report 2021/22

- **We are happy to report the return to full class cohorts**
- Number of classes offered: (Sept-Aug 2021-22)
  - 3 - Architectural Sheet Metal Level 1
  - 1 - Architectural Sheet Metal Level 2
  - 1 - Architectural Sheet Metal Level 3
  - 2 - Entry level "Intro to Roofing Trades" including Architectural Sheet Metal
- New Equipment and Mock-ups
  - 2 - Standing Seam Roof Jacks
  - 4 - Standing Seam Roof Anchors
  - 16 - 48"x48" wall mock-ups