



WELDING ARTICULATION COMMITTEE

MEETING MINUTES

June 4-6, 2019

Northern Lights College, Dawson Creek, BC

Participants:

Name	Institution	June 4	June 5	June 6	Email
Mark Flynn, Chair	BCIT	X	X	X	mark_flynn@bcit.ca
Bernard Booth	UAPICBC	X	X	X	bernard.booth@uapicbc.ca
Ivan Peterson	NIC	X	X	X	ivanpeterson@nic.bc.ca
Sean Jarvis	OC	X	X	X	sjarvis@okanagan.bc.ca
Lee Richert	CMTN	X	X	X	lreichert@coastmountaincollege.ca
Colin Makeiv	Selkirk College	X	X	X	cmakeiv@selkirk.ca
Greg Dettenweitz	CNC	X	X	X	dettenweitzg@cnc.bc.ca
Bernie Magee	BCIT	X	X	X	newmagee@telus.net
Kevin Alexander	Camosun	X	X	X	alexank@camosun.ca
Mike Hallam	VIU	X	X	X	michael.hallam@viu.ca
Spenser Julseth-White	UFV	X	X	X	spenser.julseth-white@ufv.ca
Jim Carson	UFV	X	X	X	jim.carson@ufv.ca
Al Sumal	KPU	X	X	X	al.sumal@kpu.ca
Skyler Dayus	NLC	X	X	X	sdayus@nlc.bc.ca
Chris Udy	NIC	X	X	X	cudy@nic.bc.ca
Ken McKay	COTR	X	X	X	kmckay@cotr.bc.ca
Larry Franzen	TRU	X	X	X	lfranzen@tru.ca
Darcy Suchy	NLC	X	X	X	dsuchy@nlc.bc.ca

Guests:

Marcia Siekowski, Product Marketing Manager, Nelson Publishing – marcia.siekowski@nelson.com

Steve Houston, ATP Product Specialist & Canadian Marketing Representative

Dennis, BC Technical Safety

Alina, Manager of Training Provider Recognition

Trent Konrad, CWB Group - trent.konrad@cwbgroup.org

Jon Vieth, Sales Manager, CWB Group – jon.vieth@cwbgroup.org

Miller Welder Training –

Angela Caughy, Program Development Officer ITA – acaughy@itabc.ca

Lincoln Welding Training –

Tuesday June 4, 2019

Welcome and Introductions

The Dean of Trades, Mark Heartt, welcomed the members to Northern Lights College. Thanks all for coming and attending and coming to see our new facility we opened in September. Thanks go out to Darcy, Skylar and Rhonda who have done a great job putting this together and hope making it enjoyable for you all.

Mark, Dean of Trades, introduced the Vice-President of Academics, Dr. Loren Lovegreen. This is a great group. Welcome to you. Hopefully you can see where Welding is being taught from and where it is going in the new facility. Enjoy our day, get some work done, and make sure you get to see some of the sites of the Peace Region. Thank you for inviting me. Welcome!!

Mark, Chair – Meeting called to order 9:05am. Welcome Everyone

Changes to the Agenda:

- ❖ BC Safety coming today at 3pm and Nelson Publishing will be here at 1pm. Basically they are swapping places.

Introductions of Members:

Round table introduction of member.

Additions to the Agenda:

- ❖ EWAT Program

Approval of the Agenda

Motion to approve the agenda with the addition

Moved by Al Sumal; seconded by Mike Hallam

Approval of Minutes of the 2018 WAC Meeting

Motion to approve the minutes from the 2018 WAC Meeting

Moved by Kevin Alexander; seconded by Bernie Magee

Chair:

- ❖ Lots of things to discuss this year.
- ❖ We have a lot of changes going on.
- ❖ Discuss the Nelson Publishing – coming on June 4
- ❖ Discuss the CWB – coming on June 5
- ❖ 3 days – full day on June 4, ½ day on June 5, and ½ day on June 6.
- ❖ ITA on Thursday June 6

Discussion on Enrollment

- ❖ BCIT
 - Low enrollment
 - 7 Foundation classes usually, 8 this year
 - Have Level A, B, 3 blocked together. B's and A's are pretty steady
 - Chief Instructor has to do the marketing for the program
 - Talked to SeaSpan – they need 5 welders in the next 2 years with CWB. Asked them to advertise. Asked CWB to advertise the program.
 - Level 1 & Level 2 barely enough to run.
 - Level 3 or 4 blending them in
 - Getting more ACET students. Take no more than 2 in a class.
 - We don't do a block intake. Different start times throughout the year.
 - Reorganized the start times so that there is a 2-month period between each start
 - We are filling our classes - most of the time it is just before start date.
 - Not doing a lot of Apprenticeship Training, we are doing about 2 classes a year. Not full at all

- ❖ KPU
 - Low enrollment and have been for a number of years
 - Last year we cancelled 3 Foundation Classes
 - This year (2018-2019) we cancelled 2 Foundation Classes
 - Last Foundation class we started on March 25 with 11 students, lost 2 students so down to 9. (Maximum in Foundation class is 15)
 - B Level numbers are strong
 - Apprenticeship Level we are offering 1 Block of Level 1, 1 Block of Level 2 and 1 Block of Level 3. They seem to be holding pretty steady.
 - Our course is not a continuous intake. We have a start and end date. We are doing OK with our Apprenticeship but we can only run 1 Block at a time.
 - This year with the help of CWB, we did **Train the Trainer** (High School Teachers). CWB paid for the 2 days of training. Asked for 5 days of training but CWB did not have the money in their fund to do 5 days.
 - This opened our eyes to the fact that these teachers did not have any training in Welding or Metalfab
 - Some exposure to Welding when they went through their training at BCIT but most of them never had any hands on experience

Some said that if they had to demonstrate Welding they would go onto YouTube the night before and find out how to set the equipment up and do the demonstration.

Most of them said they don't demonstrate Welding because they did not want to embarrass themselves in front of the classroom and hence they are not promoting Welding

One teacher made a comment that they were told by their career counsellor that there is a huge waitlist for Welding and that is the reason why we haven't been pushing our students into Welding.

It was a 2-day program. They requested to come back because 2 days was not enough.

If we want to offer Train the Trainer, we do it ourselves, be engaged with the High School teacher to develop a relationship which would allow us to go to their schools to promote the program. Good opportunity to make connections with the High Schools.

This was for District 36 High Schools.

Likely will help us about 2-3 years down the road with the enrollment.

❖ VIU

Low Enrollment. Barely filling classes.

Running 5 Foundation classes a year with 3 months of Welder/Fitter attached. Classes have about 14-16 students.

Run 3 B Level classes with 12-13 students. No waitlists

No apprenticeship classes. We do not offer it.

We do not offer Foundation without Welder/Fitter attached

Industry in the area has asked for the basic fitting skills and we find that it is helping with the end of the line exam and Red Seal

❖ TRU

Low Enrollment. Barely filling the classes

Last minute classes are filling up

Running 1 line of Foundation. We put Level 1 & 2 in with the Foundation classes.

Level 3 put in with Level B to get the numbers. Sometime have a Level 3, Level B and Level A going at the same time

❖ NIC

Low Enrollment.

Went from 4 Faculty in September to 1.5.

Cut the cohorts down to 28 weeks with continuous intake

❖ KPU

3 Full time instructors and 1 Sessional.

Filling our Foundation with a very short waitlist

B Level waitlist is very strong. Did run a double stream with our A Level as well.

3 Foundation classes graded last year

3 B Level graded last year

Waitlist is around 40 right now for Foundation. This number looks good but these students are not always ready to come in when called.

Note: Matt Olsen's student Brody Dunbar got Silver at Nationals

❖ NLC

1 Foundation a year. 1 Level 3 and 2 Level 1 & 2's at different times

Level 3 was 12 students which counts as a full class with the space we have.

11 Students in Foundation. 10 coming in September 2019.

Cancelled a couple of classes last year because of low enrollment

Industry is saying we need a welder's helper course - FAB skills, pipe cutting

Being so far north we do not have a chance to get CWB here because of the cost/not feasible.

Students are asking – What do I get for a ticket when I get out of here? Do I get a CWB because I need a CWB ticket to get training here in the north?

Since we can't get CWB up here on a regular basis, a lot of students are going somewhere else for training.

Run a Level 1 & 2 together and run 1 Level 4 with the class. Level 3 is separate. We run 3 blocks now.

Numbers are very low.

Red Seal – great success rates the first 2 years teaching but now the pass rate is very low – 50% failure. Lack of experience is the key factor.

❖ NIC

Low Enrollment

❖ CMTN

Low Enrollment

1 stream of Foundation/evening stream. 10 start and 9 will finish

Made a change in the Foundation program – went from 28 weeks to 40 weeks. Tuition went up to compensate. This contributed to low enrollment.

Doing more contract work with the First Nations groups

❖ CNC

Foundation numbers seem to be strong – full classes of 15

Apprenticeship numbers are low

Foundation – 3 in Welding and 1 in MetalFab

Run Level 1, 2 & 3 in Welding as well as MetalFab. These numbers were low

Run Level B and Level A, also low numbers

Running Level 1 & 2 once a year

Running Level 3 twice a year and B Level running twice a year.

Running A Level once a year. Last A Level class – had 2 students.

Just finished a 3rd & a B Level combined to get the numbers. Ran it as a harmonized Level 3.

Pilot Project: Level 3 – 11 weeks, B Level – 16 weeks. Both started at the same time. Level 3 finished and B Level runs for an extra 5 weeks. B Level sits on the information for 5 weeks

before they can write the Red Seal Exam. Level 3 wrote the Red Seal right after they were finished. Would like to change it to have the B Level start first for 5 weeks then the Level 3 start so they finish at the same time and write the Red Seal at the same time.

Apprenticeship numbers are low.

❖ Camosun

Foundation class in daytime – ½ are high school students, ½ are fee payers. Another one starting in August and the class is full.

Afternoon Foundation class – full

Will run at 11 or 12 students

Level A & B are really quiet last couple of years

Shipyard guys sent in 9 or 10 Level 3's. This has helped with the numbers.

Have Metal Fab classes that averages 14 or 15.

❖ Selkirk

Foundation has 14 or 15, 1 stream and from there they do a Fabricator Level 1

Mix most levels together to get the numbers

Found that Level 1 & 2 coming in with experience, they do well. Zero experience they struggle.

4 ACETS students in the Foundation class.

Not doing CWB right now

IP pass rates are good

Keen on some sort of fitting experience added to the program

❖ Okanagan

Typically run 7 Foundations a year, this year cutting one back. September is looking good with 12-13 students already

B Levels are doing good - September is full and the January class has 12 in it already

Level 3's are strong, can't fill a Level 1 or 2.

Outside areas are strong – Kelowna, Vernon, Salmon Arm, Penticton – with the ACET program. Filling better in the remote campuses. Testing is going good for us.

❖ UAPICBC

Run 1 Foundation in the evening

Run Level A & B in the daytime, backfilling with 6-8 guys from CPR

Have CWB every 2 weeks

Cancelled Level 1 & 2 but Level 3 is merged with Level B (continuous intake)

Continuous intake for A Level but B Level is block intake.

❖ College of the Rockies

Foundation program – taking more ACET students to fill the seats. Finding their skill levels are low. The numbers start high then the students' drop-off.

Do a block intake of Foundation in the fall, run along side it with our second class – made up of Apprentices, left over Foundation if there is any.

Service the mines over the years. They sent in their Apprentices for training. They have now run out. They will get their Apprentices from Fab companies that come to do the contracting. This makes the Apprenticeship number low.

Found Red Seal changed. Had a good pass rate then all of a sudden a low pass rate. Students complaining that there are some questions that do not apply to the trade.

Running Level 3 and B Level. Stronger numbers.

Discussion on ITA Outlines

Did work on the ITA Outlines.

Did write a letter to the ITA requesting a B Level and A Level outline on the ITA website.

Did work first with Foundation and that is on the website

Drafts of the B and A Level outlines have been created and sent out. This will be the outline for the ITA website after approval. Any additions or omissions to be brought forward to discuss. Once on the website that will be the program. No changes thereafter.

Discussion on Metal Fab/Welding

Envision at BCIT do Welding for so many weeks then they go to the Metal Fab and finish. Not force every student to take it. Do a number of regular Foundation programs and a number of blended classes. Has to be constructed so that the ITA will fund it and it is not all paid for by the customer. Need to have a Foundation certificate at the end of the program and a Level 1 FAB.

In the past the Welding program had fitting components incorporated in it.

Current program does not allow the time to teach fitting components fully.

Ideal to get extra training weeks to add fitting into the Foundation program. This will help the student to be better employable. Maybe add an extra 6 weeks to the Foundation program to incorporate this.

Need to make sure that the mandate is that the student will be Red Seal complete.

Go to a 10-month Foundation program with Fab components added. Keep Metal Fab separate.

Come to the table with the proposal – this is how many weeks we need to teach the Foundation program to get the student to complete to the Red Seal.

All agree to keep the name of the Foundation program the same and add weeks to incorporate the fitting components.

Put together a working group to talk to the PAC's about what tasks are required for employability, come back to the table and then decide how to approach ITA.

End of Module Test Discussion

Agree that we need to put a working group together to go over the test banks from each campus and create a large test bank that aligns with the program outline that can be accessed to create the exam questions. This would make it that all campuses are using standardized testing for their Level training and Foundation training.

Red Seal Test Discussion

Discussion on Red Seal Challenges.

Consensus is that the ITA needs to send the letter to the testing center and not the student. The student then would get a confirmation that the letter was sent to the testing center and for them to set up the time to come and do their testing.

As for the testing side – consensus is that the student can retest on the parts they fail. Another letter needs to be sent to the testing center from the ITA for the retest. If the student fails 1 process, they get to redo but if they fail 2 processes they don't get a redo. There will be a different test on the redo but more challenging.

Meeting Adjourned for Lunch Break – 12:00pm

Meeting called to order – 1pm

Nelson Publishing Presentation:

Marcia Siekowski and Steve Houston presenting.

Marcia:

Who is Nelson?

Publishing company educating Canadians since 1916

Largest Canadian owned publisher

Dedicated to meeting the diverse learning needs of Canadian educators and students

Our Products and Services

Digital, Print and Editorial Services, Campus Apparel, Assessments for learning

Harmonization:

BC and AB leading the charge in Electrical and Welding

ON is different, they have 3 levels not 4, they do bundles, school specific

Atlantic Canada is on board and have agreed officially to harmonize, looking at electrical mapping

Our Content

Subject matter expertise at ATP, Nelson is just a publishing company

Peer-reviewed content: current, readable, accurate

Research with instructors and students to make sure the subject matter is viable and is what is needed

Partners

ATP – American Technical Publishers

IP – Industrial Press

Delmar Cengage Learning

Steve Houston – ATP

ATP partners with Unions, Professional Associations and Companies

Welding Skills 5th Edition

- Based on SENSE Level 1 & 2 requirements
- Heavily illustrated, learner-centered
- CSA/AWS electrode classification correlation in the appendix
- Real-world entry-level and advanced practical exercises in the workbook

Online Instructor & Learner Resources

- Web Book version – Can take the Web Book and display it in class if you want to focus on a particular page or picture.
- Instructional Guide
- Power Point Presentation
- Image Library
- Assessments – test banks – take questions and download them into the database you already use
- Answer Keys
- Flash Cards – Welding Symbol
- Media Library – Video Clips – Simulations of Welding procedures

At the end of every chapter in the book there is a bar code that the student can scan with their smart phone and with the access code they can access learner resources. Also there is a website link beside the bar code that the student can put in with the access code and get to the same learner resources.

3-D Models created by Skylar Dayus.

It was mentioned that CWB has 3-D models of different welds. These 3-D models have been given to Nelson.

With Windows 10 you can open these STL files and their 3-D models and rotate them. look at them from all sides.

Since they are STL files, if you have 3-D printers then you can print them.

They are able to be put into the digital content and can be pulled up into the Power Point Presentations

Take a drawing out of the text book and build a model for it. It helps students see what it actually looks like.

Models can be modified to have labels on the different places on the model

Student and Instructor Support:

We provide student and instructor support.

- Setting up your course for you
- Coming in and doing training ahead of the semester
- Doing day 1 presentations in the classroom to help onboard the students
- Immediate support from Canadian support team

Bundle Options:

Works very well. It ensures that all students have the same resources

Saves student money

Custom Publishing Options:

If you want to use own content from other sources, then custom is the way to go

It makes it specific to the particular institution.

Can do both print and EBook.

Timelines for Custom Printing:

Reprint of existing customs – 2-3 weeks

(2 weeks for paperback; 3 weeks for spiral bound)

-With slight modifications – 1 month

New Nelson Customs – 3 months

-Combined with original or partner content – 4 months

****Does not include time for evaluating content****

New original work manuscript – 5 months per package

-With additional editorial services – 6 months

****Includes time for permissions research/clearance****

Additional Editorial Services (as requested)

Feedback:

Instructor:

Final product needs to be organized below the chapter level

The content gaps can be authored with your help and if no one is available then ATP would be contacted and they would provide someone to help with this.

Workbooks would be needed

Student:

Most prefer a blend of text and digital material

Most use course resources for studying before tests and exams

Customized resources for their course help them succeed

Customized content is very beneficial

One online platform

Like the video tutorials

Most found Nelson's Mind Tap simulations to be very useful. Found it a lot easier to navigate and use than ACORN.

Question and Answers and Comments with Nelson:

Question: Does Nelson have the ability to break the material down to below chapter levels?

Answer: Yes

Question: Can you change the pass rate from 50% to 80 or 90% on the Simulations?

Answer: Yes there are setting to change the pass rate

Question: Is it possible to get this material in module format?

Answer: Yes it is coming. We haven't done a lot of this type of binding to date. We have a sensitivity to customization. We are getting feedback from contacts. Is it feasible to do this or not? We are open to modularizing material. If we get enough people on board we will stop publishing the current format and turn to the modular format. Some institutions are moving to all digital.

Question: Once complete what is the cost of text and digital?

Answer: Depends on the amount of content (how many pages, how many modules), how many people are on board to purchase the materials.

Cost for Digital alone is \$99.95 if you add a print resource the cost is an ↑ of \$20.00.

The student will have access to digital content for 4 years.

Instructor gets their material for free

Question: Can the High Schools get the same material as we have?

Answer: Yes. We can make that available.

Question: When can we get this material?

Answer: Whole roll out of material could take 1 year.

Question: How often is the material updated?

Answer: This is up to the group. Depends on the level of changes. EBooks are done immediately. We do not do updates automatically. Depend on you to let us know if there is a need of updates or corrections. Any changes can be sent via email.

Comment: We had a committee together to go over the material. Found that the hard part for us is to have content that can be extracted from the ATP without using it in the full chapter level. We need something specific and that was a tough task to put it together.

Nelson: This was done as a prototype to get the product out. The plan is we can go below the chapter level. If we move forward we can break it down to the page level, heading level or whatever it is that is needed.

Comment: Mind Tap more engaging for students, some wording not recognizable (terminology), accompanying books easy to read, color pictures, like the reader of the material, every sections has videos

Meeting adjourned for 15-minute break.

Meeting called to order.

BC Technical Safety Presentation:

Dennis Dornbush and Alina presenting:

Alina (Manager of Training Provider Recognition and People Learning)

We will be talking today about Pressure Welding

Dennis:

Going through the BC Technical Safety Website

There will be a syllabus on each level on the website

Changes to the pressure welding program will come into effect on December 3, 2019.

The new program will introduce three classes of certification of qualification for pressure welders, and a new class of contractor licence specifically for pressure welding. These

changes will improve harmonization with other Canadian jurisdictions and promote labour mobility.

Effective Dec. 3, 2019, there will be a 1-year transition period and everyone that currently meets the eligibility (produce at least 1 current pressure welder qualification) in the application process, be evaluated then a Class A will be issued. This Class A will be good for 3 years and expire on the person's birthdate.

If you are a Welding instructor and not engaged in pressure welding, then you do not need a Class A.

Important to remember there is an application process, they will get evaluated, if they qualify they will align themselves to a testing facility and do the CofQ Test.

Effective Dec. 3, 2019 there will be no one coming into your test facility asking to do a PWP7 any longer. The first step for the new welder is that they will have to do a Class A and that will be administered by a Boiler Safety Officer.

Set geographical locations for the Boiler Safety Officers to do the testing.

Log Books – Moving forward there will be tighter guidelines on who can sign Welders Log Books. Proposing that only a licensed Boiler Contractor can sign the log books or a recognized Test Administrator and the quality control personnel that supervised the weld.

Moving to a system that requires a re-qualification every 3 years.

Key change: the Boiler Safety Officer will not be signing welders log books. The Examiner will sign the Log Book.

Take time to give Feedback

Adjournment

Meeting adjourned at 5pm.

Wednesday June 5, 2019

Meeting called to order 9am

Go over yesterday's topics:

Committee together to put together a package of modules to share

Committee together to discuss the Red Seal and they can talk with the ITA

Have a look at the ITA outlines before tomorrow – make sure everyone is in agreement about the outlines before Angela comes.

Committee together to decide how to approach the ITA for funding for the extra weeks

Nelson – Presentation thinner than expected, more freedom to use own material, lot more content at this point than CWB, Great videos, lots of color images, like the flexibility, like the idea there is text and not just Power Points. Need clarification whether they will supply the same material to the high schools. Liked the idea about the captions and easy to log into their site. Cost may be high. Want a full package from Foundation to Red Seal.

Today's topics:

Red Seal Exams –

Setting up the students for failure when they are not ready. Students need the hours before they write their Red Seal exam.

Trouble with the Red Seal - Short of Resources, not getting industry experience, exam due for proper redo

Bump up the work based hours.

Adjournment for Break – 9:50am

Meeting called to order: 10am

CWB Presentation:

Trent and John

Trent:

Agenda:

ACORN program refresher

New content

New product developments

New approach to content

ACORN Content:

Self-paced online learning and real world in-shop exercises. All online content is voice over (have a reader).

In shop practical exercises done in draft form. About 200 practical exercises.

Testing is all online. Do have some static ones in the CORE program.

Classroom Content:

Comprises of text books, handouts, instructor presentations and exams, 3D models where appropriate.

Standard Acorn CORE – Demo school – House everything and it can be customized as you like and need (according to each college). Custom build and deliver every course needed. Build accordingly and will be charged accordingly. Make your own class, add students, add instructors, students log in with password, and view demo class. This is used as a supplement for reinforcement.

Skylar – Can we export exam questions into D2L? Is there a test bank we can draw questions from and put into D2L?

Trent – We own our own with our own exam questions. It will be compatible with the D2L forum – link to D2L. Building test bank and update it quarterly.

Darcy – do you have a test bank for each?

Trent – right now we are building up that test bank. Want to get to the point of standardization of exams with 30 questions pulling from 120 question bank. As soon as we patch into D2L then you can make your own and link it in.

Darcy – Do they read the test to the student?

Trent – No readers for tests at present.

October Meeting Overview:

What participants liked:

Graphics

Canadian Standards and Coles are important

Practical exercises are good (not sure they are needed)

Nice to have voice over online content

Good pricing

Nice to be vendor neutral

Content aligns to NOA (Red Seal)

What participants want changed:

Small words on the margin are hard to read

More referencing to AWS

Need more content (go in depth)

Want printed material

Online access needs to be easier (some teachers won't use online)

Only have foundation content (no A & B or apprenticeship)

Better paced material (blueprint reading)

October Meeting Results:

Key changes in the past 8 months including:

Creation of apprenticeship content

Approval to create custom content for BC (A & B Level draft book)

Move to a printed model for BC schools aligning B and Level 3 harmonized

Create a system where BC Educators can steer content and cost is taken on by the CWB Acorn Team

Updates to content – more referencing to AWS

New Developments for 2019

Apprenticeship content (welder and metal fabrication) – Customized BC content

Specialized courses: Robotic welding, titanium welding, advanced inspection, etc.

New digital technology

Printed material

Simulation Content:

Comprises a simulated VR workspace with appropriate tools and functions – can do a report on progress. 3D Models

Supports layout, shaping, assembly, and measurement

Instructor marking/student feedback tools provided

This is part of the whole package

This is a supplementary tool to Post-Secondary. Students register and get an access code.

New approach to content:

Content will be created and reviewed by the following process:

Content will be created by CWB Acorn according to the ITA line items and Harmonized apprenticeship

Content will be sent to BC Articulation Committee (or sub-committee) for review and revisions

Content will be revised and made available to BC Articulation Committee members (August delivery)

Articulation Committee will review content annually and advise changes and updates ahead of the new print schedule

Development:

Content will be combined to create 3 levels of BC Specific content for

A Level (MPAW)

B Level (Level 3)

Foundations (Level 1 & 2)

This content will be custom created to meet the requirements of ITA line items as well as harmonized apprenticeship.

If CWB Acorn is the vendor of choice for BC, we will create printed materials to be ordered by schools.

New Approach to Content:

Pricing and Purchasing:

Colleges can purchase custom BC content by submitting a purchase order to CWB Group:

- A Level (MPAW)
- B Level (Level 3)
- Foundation (Level 1 & 2)

*Price subject to volume based on full adoption and color copies

**Foundations and B Level should replace Red Sea; Books at most institutions.

Books delivered to your site – based on volume

Foundation - \$249.00 per person.

B Level - \$209.00 per person

A Level - \$119.00 per person

Acorn online is about \$150.00 per person. It can be negotiated that the student has access to material online for 6 months after they have completed their apprenticeship.

Idea is that there would be enough content in Foundation and B Level to cover Red Seal books so that they would not need to be purchased.

If you add more content, then the price would reflect that increase. If it is 10% more material, then the price would be an increase of 10%. This would be negotiated.

Goal is that every practical exercise will have a 30 second to 2-minute video attached to it

Timeline for Foundation books – Draft can be done right away, begin work on it, dependent on changes and tweaking. It likely will take 1 year to fully have it ready for distribution.

Some interested in taking on B Level as a pilot, vet it throughout the year, then get back to them with the tweaks. Set up a sub-committee to do the changes/tweaks and send it to CWB. Use the B Level right now as an Instructor copy and edit along the way.

A contract can be written to reflect what the needs are for the group. We can meet bi-annually if need be to make sure that the content is ready for the next year. Whatever is decided we will put in place.

The fee gets waved if the province comes on board.

It was mentioned that the cover of the books does reflect the flavor of BC. A page can be added with the names of the colleges listed. Welcome to ideas.

Why Go with CWBi Acorn?

We will listen and work with BC Educators to ensure content meets the standards and programming requirements of the province

We are a Canadian company

Canadian Content (CSA standards, metric measurements, reference international and American Standards)

Content is aligned to national standards and harmonization and leads into Red Seal

Additional content can be added to meet specific training requirements.

12 Noon – Adjourned for lunch

Afternoon all off to Welding shop for Miller Welding Training

Thursday June 6, 2019

Meeting called to order 9:10am

Talk about new chair – vote at end of session this morning

Talk about the next meeting place

Talk about resources

Meeting Place: Tentative - Kamloops – 1st week of June

Resources: CWB versus Nelson – Round Table Discussion

CWB:

Went out of their way to give us printed material.

They provided the closest sample to what was needed and wanted

They have lots of videos, 3D imaging, etc.

There are many ways CWB can help us to increase the numbers. They are involved in the High Schools.

They will do the updates for us.

We gave them an outline of what we wanted and they came up with the draft material.

They already have the Red Seal package

They want to work with us

Pricing point excellent

We have the freedom how to use content

They are a welding firm, Canadian company, Global money coming back to our communities.

They are interested in High Schools – selling our programs.

Interested in doing a trial contract (1-2 years)

They offer Train the Trainer Program (High Schools).

Curriculum is free to all High Schools

They give back to the communities

Nelson:

Did not bring to the table what was requested

Did not provide material to have a look at

Canadian Company but content is from the USA

We have to do a lot of the work. They are a publishing company

More of a sales pitch. They did not come prepared. Did not make an effort to produce a draft copy of the material.

Not out there in our High Schools selling our programs

Colin – Motion to review and vet CWB/ACORN material for 1 year, then return to the table.

All Seconded

Group all in favor.

Adjourn for break.

Meeting called to order

ITA – Angela Caughy

Agenda:

Harmonization:

Gap Training will end March 2020. In December 2019, ITA will review the number of apprentices left in the current program and determine a strategy for individuals in the system that may require gap training after the deadline of March 31, 2020.

Strategies can include:

- Extending the gap training period for the whole system
- Offering gap training through select training providers
- Employer sign-off of gaps – will have a Webinar when this time comes.

Welder Practical Exam Criteria:

As of January 1, 2019, challengers are limited to 4 total writes of their certification exam.

Interprovincial Red Seal Exam policy does not make reference to or include criteria for exam attempts.

We don't have the number of times they can do the practical exam. There is not policy in place for this. It is up to the jurisdictions to decide.

ITA is consulting with other Jurisdictions to see what they are doing

ITA would like the Articulation Committee's assistance with defining criteria for the Welder Red Seal Practical

Question: How are you tracking the numbers on 2nd or 3rd try?

Answer: Whatever is sent in.

Articulation Committee – put a 1 day working group together to discuss the practical exam criteria. By January 2020 have a decision on the criteria they would like to see on the practical exam.

Get the authorization letter sent directly to instructors not student so the numbers can be tracked.

Noted Feedback:

- Challengers receive approval letter directly allowing them to re-test at their discretion – This impedes tracking of the number of attempts and Verification of upgrading.
- Attempts should be limited
- Criteria should be defined for re-testing
 - Wait periods
 - Skills upgrading verification
 - Using the same testing center - Concern that the student is using the same letter they receive and going to different testing centers until they get a pass.

Welder B and A Program Outline Feedback:

Program outlines for Welder B and A were reviewed and revised (March-April 2019). Note: These outlines are for instructor use only and will not be posted on the ITA Website.

Revisions included:

- Updating the “Lines” (e.g. D3 – Select electrodes for SMAW) to reflect the harmonized program outline structure.
- Ensuring consistency with currently delivered “B” and “A” content

Goal is to look at the Welding program as a whole and find a way to get it moving in one direction across the board. Hope is that Welder/Fitter will help with that.

Talk with Jim, Mark, Al about the optional processes in the outlines. Do we leave it in, is it still optional or do we make it mandatory?

Talk with Jim, Mike, Al about the outlines, get feedback, highlight changes, send out the changes to everyone. Get Mike to send the feedback to Angela. Maybe do a Webinar.

Welder-Fitter (Fabricator) Discussion:

Initial email, conference call, follow up email.

ITA Objectives:

- Industry need
- Promotion of Apprenticeship/Sponsorship
- Increase in work-based training and experience
- Promotion of Red Seal Endorsement

Problem is getting industry to come to the table.

Questionnaire could be the way to go to get industry involved. Give them options.

Can do it at the PAC meetings.

Can take the questionnaire to industry, hand it out, stand there and wait for them to fill it in then take it back.

Chris will be the spokes person. We will discuss the best route to go, the changes we would like to see to the Foundation program, etc. and he will take the results back to the ITA.

Stats & Exam Performance:

As of March 1, 2019

Apprentices in Pre-Harmonized System (all in L3):

- Active – 36
- Inactive – 87 (not reported in last 18 months)
- Total: 123

Apprentices in Harmonized:

- Active – 723
- Inactive – 955
- Total: 1678

Note: Inactive are the ones not reporting their hours.

Welder C:

- Active – 1
- Inactive – 630
- Total: 631

Welder B:

- Active – 90
- Inactive – 339
- Total: 429

Welder A:

- Active – 6
- Inactive – 45
- Total: 51

MPAW:

- Active – 3
- Inactive – 9
- Total: 12

Standard Level Exam – Foundation (Stats are for first time writes).

Sept. 2018 – May 2019

Pass Rate – 54% (of 250 writes)

Average Score – 71%

Line A – Occupational Skills – 21% - Average mark 70%

Line B – Cutting and Gouging – 11% - Average mark 78%

Line C – Fusion, Braze, OFW – 2% - Average mark 70%

Line D – SMAW – 24% - Average mark 76%

Line E – Semi – Auto & Auto – 24% - Average mark 70%

Line F – GTAW – 3% - Average mark 57%

Line H – Basic Metallurgy – 7% - Average mark 74%

Line I – Drawings, Layout & Fabricate – 8% - Average mark 50%

Standard Level Exam – Level 1 (Stats are for first time writes)

Sept. 2018 – May 2019

Pass Rate – 82% (of 44 writes)

Average Score – 79%

Line A – Occupational Skills – 29% - Average mark 77%

Line B – Cutting and Gouging – 15% - Average mark 84%

Line C – Fusion, Braze, OFW – 4% - Average mark 86%

Line D – SMAW – 29% - Average mark 80%

Line E – Semi – Auto & Auto – 19% - Average mark 81%

Line I – Drawings, Layout & Fabricate – 4% - Average mark 51%

Standard Level Exam – Level 2 (Stats are for first time writes)

Sept. 2018 – May 2019

Pass Rate – 66% (of 33 writes)

Average Score – 72%

Line A – Occupational Skills – 9% - Average mark 82%

Line D – SMAW – 11% - Average mark 73%

Line E – Semi – Auto & Auto – 18% - Average mark 69%

Line F – GTAW – 22% - Average mark 72%

Line H – Basic Metallurgy – 15% - Average mark 73%

Line I – Drawings, Layout & Fabricate – 25% - Average mark 69%

Interprovincial Exam Stats – January 2018 – December 2018

National Pass Rate – 57% - Apprentice writes (excludes challengers)

Provincial Pass Rate – 60% (of 288 writes) – First time writes

Provincial Average Mark – 71%

Line A – Occupational Skills – 19% - Average mark 76%

Line B – Fabrication – 20% - Average mark 62%

Line C – Cutting and Gouging – 17% - Average mark 64%

Line D – Welding Processes – 44% - Average mark 75%

General Q&A

For questions regarding ITA funded learning resources please contact Anita Handregan, Director, Program Standards and Assessments at ahandregan@itabc.ca

Q - End of line modular exams to be revisited. Is it ITA owned?

A – Foundation Level 1 & 2 end of line exams are up to you. Happy to come and help you in kind if you would like.

Q – Is there a possibility that the students write a B Level exam before they write the Red Seal?

A – Because it is their last level, we want them to write the Red Seal. If they write a different exam they probably will not go on to write the Red Seal.

Major concern is that they are not getting the industry experience/hours before writing the Red Seal Exam. We don't teach to the Red Seal. We are only funded to teach B Level and not funded to teach Red Seal. Hopefully get the Red Seal exam fixed and the quality of resources upgraded.

Voting on Chair:

Colin nominates Mike as Chair and Mark as Co-Chair.

Jim Seconded

All in favor.

**Mark will work with Mike to make the transition for 1 year then Mike will take the Chair position for a 2-year term. **

12 noon - Adjourned for Lunch.

Afternoon all off to Welding shop for Lincoln Welding Training