

Welding Articulation Meeting 2024 – Minutes

Meeting Date:	June 4, 2024
Location:	Okanagan College
Meeting Time:	9:00 am – 4:00pm
Committee Chair:	Skyler Dayus
Committee Vice Chair:	Spenser Julseth-White
System liaison Person (SLP):	James Cai
Recording Secretary:	Rebecca Pleasance

Participants:	Brad Oliver, Curtis Walker, Bruce Neid (Coast Mountain College), Chris Matskiw (Kwantlen Polytechnic University), Jesse Smit (College of New Caledonia), David Drury (Vancouver Island University), Jim Stratford (North Island College), Skyler Dayus (Northern Lights College), Colin Makeiv (Selkirk College) Mark Flynn (BCIT), Larry Franzen (TRU), Jordan Falk (UAPICBC), Andrey Andreev (UAPIC), Spenser Julseth-White (University of Fraser Valley), Tom Watson (College of the Rockies), James Cai SLP (BCIT)
Regrets:	
Guests:	Jennifer Booth Vern Weber Jason

Administration

Call to Order	Skyler 9:07
Territorial Acknowledgment	
Welcome/Introductions	Participants introduced themselves and briefly outlined their respective programs.
Approval of 2024 Agenda	Approved by Colin Seconded by Mark
Approval of Minutes from June 2023	Approved by Chris Seconded by Jesse

Reports

Chairs Report	<ul style="list-style-type: none"> • 3 representatives from CWB, will be talking about virtual testing where weld testing is filmed, and a representative will assess the footage. A pilot has been set up in Fort St John and it is now expanding to be available for other institutions. • Millar will give a presentation later this week with new equipment. Possible laser presentation, if not, they will be invited next year. • STBC will be giving a presentation on challenging exams/levels
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<p>Current Climate Roundtable</p>	<ul style="list-style-type: none"> • Skyler – numbers are good across the board. • Spenser – transition period as many new instructors will be hired this year, long waitlists for foundation. Currently working on B level waitlist • Colin – Overall improvement over the past years • Mark – 9-month foundation waitlist, A/B steady but not filled, level 1 and 2 are harder to fill, level 3 can blend into B • Larry – Level 1-3 not as high, will blend with other classes, rest steady. • Jordan – Foundation full, blended cohorts for A/B • Curtis – All foundation full, B is full, Level 3 this year was full. A was cancelled but can be blended with B next intake. Rotating intakes between campuses with many dual-credit students. • Bruce – numbers are up, blended cohorts. Plan is to have another instructor in the Fall. • Chris – 100-person waitlist, looking to run more classes, to not lose students, B level has a healthy waitlist. A level not as busy. First year L1-3 all full. • Jesse – foundation always consistent, B level over capacity, 1 A level – will not run next year. Planning on a sampler. • David – Highest numbers seen, foundation and B level both have waitlists. • Jim – steady numbers, classes are full. • Tom – L1 and L2 blended, looking to separate due to demand. Foundation has waitlists. <p>Check Trades Training BC to ensure that all your classes are there as this is where most prospective student go to check availability https://www.tradetrainingbc.ca/</p>
<p>SkilledTradeBC Responses (see document for full responses)</p>	<ul style="list-style-type: none"> • Unable to locate A and B outlines – will be uploaded to the website. Looking into how to post onto website without confusing apprentices, can be distributed to Deans if needed. Discussion will need to be done in the future on what is the long-term vision for modular. • Differences for Weld Lists – done by subject matter experts (question for them, who were the experts) • Required hours for foundation – does not currently audit, a cross-department meeting will take place soon. • Red Seal Test Attempts – new policy to restrict the number of attempts to 4. Number based on the statistics from previous challengers (will get clarification on what happens after 4 failures and how to know which attempt they are on). • Instructor qualification standardization – yes, can match to the outline requirements if the group agrees, discussion was had over other preferences such as PWP 7/10 with IP or holding a Level A. Motion to have the standards reflect the Instructor Requirements

	<p>document of the Welder B Program Outline (3rd line not needed or change to L3).</p> <ul style="list-style-type: none"> • Availability of new RSOS – Draft has been created, should be available soon. • Program Outline Review – Waiting for RSOS, would like to create a workshop to go over this. • Exam question development – no new questions have been added since 2018, when program review happens so will exam bank review. • B Level completion report – will look into
<p>James Update</p>	<ul style="list-style-type: none"> • Suggestion that when articulation issues rise, send to BCCATA for them to take to SkilledTradesBC to help expediate response types and ensure that all relevant institutions receive the response. Issues can be sent to your chair/dean to forward along. This would help ensure that other institutions can provide their input on the mentioned issue to see if there are experiencing it as well.
<p>SkilledTradesBC Discussion</p>	<ul style="list-style-type: none"> • Program standards update. <ul style="list-style-type: none"> ○ RSOS Implementation – 2023, available on Red Seal Website ○ Program Outline Workshop – Sept 23-27, 2024 ○ L1 & L2 SLE workshop – Nov or Jan ○ Program Implementation – Sept 1, 2025 (TBD) ○ Work is being done to review SLE’s to gain insight on how they are administered and change it to a more formative approach, SLE’s are designed to help prepare students for what the Red Seal exam will look like. Discussion was brought up on what can be done to get students to put more effort into the exam. ○ Foundation Program Outlines are being created for all programs; pilots hope to be ready by the Fall. The welding one will be reviewed and possibly updated. Instructor Requirements will be added to these outlines as well. ○ Online Red Seal Exams, all IP exams are available on a National Platform, in development in BC with an anticipated date of Winter/Spring 2025. Utilized a lockdown browser component which is where issues may arise. ○ Pathways to Certification, work has been done to clarify and create pathways for challenging levels. Hours are signed off by employers for these challenges as well as a signed letter of support. Final level cannot be challenged, and training must be done. Discussion was had on whether a L1/L2 combination exam can be done to allow for that to be completed and then have students go into B level.

	<ul style="list-style-type: none"> • Discussion was had on the benefits of apprenticeship versus modular and the preferences and what could be done to possibly simplify the process of what path apprentices can choose. Concerns were also brought up concerning challenging exams due to it being all theory. There are also various issues of apprentices being too specialized for training and are unsuccessful in certain competencies. Changes would also like to be made to practical components of assessments to add something like pipe, etc. • Welder L1 & Welder/Fitter Pilot, additional welds should be added to better prepare students, pilot testers feel that there is enough time for these additions. • Level Challenge- more info here: https://skilledtradesbc.ca/instructions-challenge-certification https://skilledtradesbc.ca/sites/default/files/2024-04/Level%20Placement%20Exam%20Application%20-%20April%2022%2C%202024.pdf
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Welding Articulation Meeting 2024 - Minutes

Meeting Date:	June 5, 2024
Location:	Okanagan College
Meeting Time:	9:00am – 4pm
Committee Chair:	Skyler Dayus
Committee Vice Chair:	Spenser Julseth-White
System liaison Person (SLP):	James Cai
Recording Secretary:	Rebecca Pleasance

Participants:	Brad Oliver, Curtis Walker, Bruce Neid (Coast Mountain College), Chris Matskiw (Kwantlen Polytechnic University), Jesse Smit (College of New Caledonia), David Drury (Vancouver Island University), Jim Stratford (North Island College), Skyler Dayus (Northern Lights College), Colin Makeiv (Selkirk College) Mark Flynn (BCIT), Larry Franzen (TRU), Jordan Falk (UAPICBC), Andrey Andreev (UAPIC), Spenser Julseth-White (University of Fraser Valley), Tom Watson (College of the Rockies)
Regrets:	
Guests:	

Discussion

Call to Order	Skyler 9:05AM
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Red Seal Exam	<ul style="list-style-type: none"> Concerns about the initial draft in terms of wording and what will be asked from students on the test. Exam seems to be more compartmentalized, and suggestions were made to SkilledTradesBC to extend the workshop on the exam.
CWB Books	<ul style="list-style-type: none"> Queen's printer is still utilized by some due to gaps/error in the book. Content has to be taken from their site at the moment, some preference to be able to transport onto another for ease of use for temp instructors. Issues with errors in textbook, photos have been forwarded to CWB when errors are caught. Shells can be copied for the next class, not the Master copy if any changes have been made. Weld B needs the most adjustments, self-test questions would also be beneficial. There are also too many ambiguous questions with multiple answers. Added components such as glossaries would be helpful for terms, and some do not match commonly used names. Some questions are now not found in the book as well. Skill Plan may have some resources from students for help on Math questions.
Weld Testing	<ul style="list-style-type: none"> Discussion was held on everyone's requirements they must have before coming in to rent a booth. The suggestion was made to check logbooks beforehand. Various online booking and payment systems among attendees Issue with TSBC not providing tester lists in advance
Discussion	<ul style="list-style-type: none"> Train the Trainer program, more general information on training trades instructors how to teach in a trade's specific capacity, more can be done for welding in this area. The possibility of creating something separate for high school teachers. Possible partnerships between high schools to help get them interested, or if they want to participate in Skills. Looking for brainstorm ideas of what can be done to minimize waste of small materials/supplies. Tracking can be done with student numbers to see where materials are going. Toolrooms can help verify if material is being used to the full capacity, and students can be denied a new plate/disc if it is not worn out. Discussion on asset management, TCMAX is utilized, tool rooms handle tool tracking, STBC Outline Review Chris, Curtis, Mark, Colin, and Skylar, UAPICBC SLE Review, Skyler, Chris, Jesse, Colin, Mark, Curtis, Jordan Skyler and Spenser will continue as chair and co-chair, motioned by Chris, seconded Jesse. Motion approved. Next meeting, Jesse will host. For tomorrow, STBC L1 and L2 practical test for challengers think of what could be on the exam. Other provinces Red Seal exams were looked at to compare to BC

Welding Articulation Meeting 2024 - Minutes

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Regrets:	
Guests:	Cody Vigeant Angela Caughy Jeremy Lake

Discussion

Call to Order	Skyler 9:00AM
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Program Advisory Committee Discussion	<p>Review of PAC (Program Advisory Committee) Meetings</p> <ul style="list-style-type: none"> • Frequency and Attendance of PAC Meetings: <ul style="list-style-type: none"> ○ Kwantlen Polytechnic University (KPU): Holds PAC meetings once a year. ○ Kelowna: Conducts PAC meetings twice a year, with an attendance of approximately 15 people. ○ Thompson Rivers University (TRU): Has not held PAC meetings since the onset of COVID-19.
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	<ul style="list-style-type: none"> ○ Selkirk College: Scheduled to have their first PAC meeting since COVID-19 next week; they aim to have one meeting per year. ● Submission of PAC Minutes: <ul style="list-style-type: none"> ○ The WAC Chair is responsible for receiving PAC minutes and submitting them to the SLP (System Liaison Person) for presentation to the BCCATTA (British Columbia Council on Admissions and Transfer Trades Advisory Committee). ● VIU (Vancouver Island University) Approach: <ul style="list-style-type: none"> ○ VIU has had PAC in the past and is working on restoring it ● Sharing of PAC Agendas: <ul style="list-style-type: none"> ○ Brad has agreed to forward their PAC agenda to share with the group for reference and alignment.
<p>Miller Welding Presentation</p>	<ul style="list-style-type: none"> ● Presentation on Openbook: Miller welding online learning resources. Jeremy can set anyone up. ● New welding equipment presentation: showed new control panels on the new GTAW machine as well as the virtual version that students can use to visualize machine adjustments and changes to arc ● Discusses new classroom posters and how they can be accessed ● Discussed the upcoming Laser welding equipment that Miller will be bringing to market and use requirements and certification ● Demonstrated the miller mobile trailer with all of the new equipment they are offering
<p>June 6 CWB Update (full update slides provided by CWB)</p>	<ul style="list-style-type: none"> ● Revision Cycles <ul style="list-style-type: none"> ○ Annual minor revisions done annually, March cutoff, exam issues are addressed immediately, revisions in Master Lessons do not automatically upload in each class. ○ Major revisions date TBA, RSOS released, gathering info on program outline updates for the subsequent provincial reviews. ○ Will send request to chair looking for suggested significant review. ● Red Seal Exam workshop <ul style="list-style-type: none"> ○ CWB Resources were used in the review/development of new exam. ○ Additional sets will be sent to host province for their bank editing. ○ Currently sent: Foundation Book Set, B Level Book Set, W47.1 Handbook, UTIP, Filling the Gap Handbook ● Inspector L1 and Micro credentials <ul style="list-style-type: none"> ○ L1 significant content revisions ○ Available as a micro credential ○ Online, 1 course at a time, 1 day practical. ○ Certification still requires completion of an application, requisite forms and 70% or better on code and practical exams.

- Partnership Agreements
 - CWB looking for partners in BC to host PD courses (welding supervisor steel, welding supervisor aluminum, and L1 & L2 inspector course)
 - 2 current partners in BC with Kwantlen Polytechnic and OC (ran 7 courses), agreements out for review at CNC and UFV
- UTIP Update
 - 2 in Camosun and one at OC,
 - Nationally 36 programs with 279 students
 - 49% journeymen
 - 51% apprentices
 - 92% participant completion percentage
 - 32% are from underrepresented groups.
 - Reach out to Cody for more information, how to get started.
- CWB Welding Foundation – BC Investment
 - Various investments in programs such as Woman of Steel, WeldSAFE, Capital & Equipment (high schools), Mind Over Metal, Arx and Sparx, Educator Training – train the trainer (BCIT, CMC, VIU), Skills Sponsorship,
- Educators Conference
 - Moving to every other year, In Conversion with the UA Local 170 as a potential host
 - Discussing with BCTEA to host their annual conference as the same time to have a Secondary and Post Secondary attendee stream.
 - October 2025, reach out for details on funding applications, etc.
- CWB Remote Testing - Chris
 - CWB witnessing in person with remote evaluation.
 - Reduce travel costs for a return visit by CWB.
 - Prepare coupons on your own and call CWB when ready.
 - CWB witnessing in person with physical evaluation at CWB Nisku lab.
 - Common option for certified companies
 - No coupon prep required.
 - No tangible results for students
 - Shipping time delay for results
 - CWB remote witnessing with remote evaluation
 - No travel costs.
 - Suitable for small number of plates
 - Increase cost, as welding and preparation must be witnessed by CWB.
 - Possible complex camera setup
 - CWB remote witnessing with physical evaluation at CWB Nisku lab
 - Reduce travel costs for a return visit by CWB.

- No coupon prep required.
 - No Tangible results for students
 - Tiem delay for results.
- Methods:
 - Devoted camera setup for repeat use, initial investment costs to be considered. Cameras and connection, ideal for regular use with multiple welders
 - Ad-Hoc setup using webcam and cell phone camera, inexpensive, good for only two simultaneous candidates, complex setup if remote evaluation is considered, can get difficult because you need constant filming of the plate.
- Requirements
 - Test facility accredited by CWB.
 - Designated Welding Coordinator
 - Requires CSA credentials.
 - Min CSA W47.1 welding supervisor exams (5 written exams including W47.1 and W59)
 - Any level CSA W178.2 inspector with W47.1 & W59 endorsements
 - Present for all remote operations.
 - Max of 4 simultaneous candidates per each DWC
 - Max of 3 simultaneous DWC
 - *No credentials required for remote evaluation only.*
- A level, waiting on A level ROI before decisions are made.
- Metallurgy B level will require more updates than planned, potentially adding additional time to the next workshop on revisions, currently too much for students to be beneficial, group to send suggestions on what revisions should look like
- B level exam, concerns that it is more of an English exam, work could be done to reword it. Some answers are too ambiguous with two equal weighted statements being an option, potentially more questions as well, book is large for the exam and can make it hard to pass the exam if only a few sections are covered if it happens to not be a student's strengths. Would like a self-test question book for B level as well, potentially an online version as well to help with creating question banks, allowing for students to use screen readers and other accessibility tools.
- Update to Master, issue a revision list.
- Issues with foundation math books or a few incorrect questions, corrections have been sent, content is ok but minute there is an error students struggle, and some answers are not included and move answers to back and include all of

	<p>them with further explanations. Can also put online under their student resources.</p> <ul style="list-style-type: none">○ Revisions just sent to Cody, and he will forward to his product development team and changes can be made fairly quickly and Angela can send explanations on why a change may not have been approved.
Motion to Adjourn	Motioned by Colin, Seconded by Bruce at 2:29pm