

Piping Articulation Meeting 2023 – Minutes

Meeting Date:	June 20_2023
Location:	North Island College, Courtenay, BC
Meeting Time:	8:00 am – 2:30 pm
Committee Chair:	Darren Vaux (Camosun College)
Committee Vice Chair:	Brad Oliver (Okanagan College)
Recording Secretary:	Kim Stallknecht, NIC Support Staff, Courtenay, BC

Participants:	Darren Vaux - Chair (Camosun College), Josh Stull (Camosun College), Steve Nixon (Camosun College), Paul Simpson (Thompson River University), Pete Arkenstein (Thompson River University), Brad Oliver – Vice Chair (Okanagan College) Bruce Slater (Okanagan College), Rob Lafreniere (Kwantlen Polytechnical), Collin Warren (Kwantlen Polytechnical), Matt Earl (Northern Lights), Steve Gilles (BCIT), Rick Lindberg (BCIT), Rod Smith (University of the Fraser Valley), Jeremy Abbott (University of the Fraser Valley), Nick Charette (North Island College), Darren Vaux (UA Local 324), Will Schwarz (UA Local 170), Jordan Falk (UA Local 170), Pavel Pager (UA Local 170), Ian McComish (UA Local 516), Colleen Rogan (Skilled Trades BC), Chris Bey (Skilled Trades BC), Tim Carson (BC Campus), Neil Hamilton (VIU), Rick Vanier (Technical Safety BC), Ryan Milligan (Technical Safety BC), Lindsay Bradac (American Technical Publishers), Carl Hansen (American Technical Publishers), Eric Bradbury (Pacific Vocational College)
Regrets:	Mike Valley (Northern Lights College), Troy Werrell (College of New Caledonia), Kyle Downie (Skill Plan BC), Jed Scheuermann (IAPMO)
Guests:	Jack Moes (System Liaison Person), Corry Wong (BC Water and Waste Association), Monica Randhawa (Technical Safety BC), Taylor Sidhu (Technical Safety BC)

Administration

<p>Welcome/Introductions</p>	<p>Participants introduced themselves and outlined their respective programs. NIC Associate Dean of Trades and Technology, Enrique Toledo, welcomes the BC Piping Trades Articulation Group on behalf of NIC. NIC plumbing instructor Nick Charette described the history of Trades Training Centre, noting that the Campbell River campus is the main trades campus of the five NIC campuses.</p>
<p>Approval of 2023 Agenda</p>	<p>Approved by Rob Lafreniere (KPU) Seconded by Paul Simpson (TRU)</p>
<p>Approval of Minutes from June 22</p>	<p>Approved by Steve Gillis (BCIT) Seconded by Brad Oliver (Vice-Chair)</p>

Report

<p>Jack Moes: System Liaison Person (SLP) / Dean of Trades & Technology, College of the Rockies</p>	<ul style="list-style-type: none"> • BCATTA (BC Association of Trades and Technology Administrators) appoints SLP’s for each Trades articulation group • The SLP role is to report concerns/updates to the BCATTA – who in turn advocates for the Trades Articulation Group • BCATTA annually talks to Skilled Trades BC about Letters of Agreement (LOAs), advocating for a funding model, which hasn’t been updated for years • Labor market projections confirm employers will struggle to find enough skilled workers over the next decade • Reality: BC training system does not have the capacity to address these labor shortages • BCATTA, Trades Training BC are presenting ideas to the Ministry of Post-Secondary Education and Future Skills (PSFS) aimed at increasing the capacity to address this shortage • TradeUpBC, launched by PSFS, is a key initiative to provide more reskilling and post-Certificate of Qualification training for trades workers. • TradeUpBC intends to address the gap for future skills needed in the trades by
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	<p>providing short-term training and micro-credentials.</p> <ul style="list-style-type: none"> • BC Institutions can apply for funding to develop training for micro-credentials to provide upskilling and more training opportunities for trades workers • Jack Moes is resigning as Piping Trades SLP at BCATTA's Fall meeting. BCATTA is expected to appoint a new SLP for Piping Trades before the 2024 spring Articulation Group meeting.
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Report

<p>Tim Carson: Provincial Trades Representative / BC Campus</p>	<ul style="list-style-type: none"> • Open Education: "Freedom to use, customize, improve and redistribute educational resources without constraint." • 5 Pillars of Open Education Resources (OER): Remix; Reuse; Retain; Redistribute; Revise • Faculty have "full legal right" to customize open textbooks and resources to accommodate their teaching and learning needs • OER available to assist faculty: Pressbook Guides, Self-Publishing Guide, Accessibility Toolkit (2nd edition), Faculty OER Toolkit • Audio book versions valuable resource (spin off into podcasts) for downloading at no cost. Comment: Huge benefit for dyslexic students. • Project Updates: Millright L1 (BCIT) Sheet Metal L1 (OC/Camosun) Plumbing L3 (Skilled Trades BC) Plumbing L4 (STBC) anticipated 2024 completion
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Report

<p>Colleen Rogan & Chris Bey / Skilled Trades BC</p>	<ul style="list-style-type: none">• As part of STBC, Program Standards is continuing to build ongoing communication and collaboration with educational training partners• Regular contact between STBC's Program Standards team, SLP and the Articulation Chair/Co-Chair will continue to address ongoing issues and concerns• STBC Updates: Skilled Trades Certification will be implemented in BC for 10 Trades – 4 mechanical, 3 electrical, 3 automotive. Trades workers working in the electrical and mechanical Skilled Trades Certification need to be a registered apprentice or a certified journey person before Dec 1, 2023• Most recent Harmonized Program Outlines, Profiles, Updates are posted on the STBC website• Please see attached report for Apprenticeship Numbers by Region and the Exam Statistics Breakdown
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Report

<p>Corry Wong: Cross Connection Control Coordinator / BC Water & Waste Association</p>	<ul style="list-style-type: none">• BCWWA represents over 4,000 water professionals, such as, Backflow Assembly Testers, Operators, Utility Managers, Researchers, Engineers & Consultants, etc• BCWWA partners with American Waterworks Association (AWWA) and acts on behalf of the BC section of the AWWA Also partners with the Water Environmental Federation (WEF) and the Canadian Water and Wastewater Association (CWWA)• The Backflow Certification Program is maintained on a National level by an AWWA Committee
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	<p>The National committee review certification criteria, questions the manual annually to ensure quality and alignment with CSA Standards.</p> <ul style="list-style-type: none"> • 2022 CCC Program Statistics: over 2,000 CCC members; almost 900 exams administered by BCWWA Proctors; 9 accredited training institutions delivering a total of 85 courses • BCWWA relies on the CCC Educational Advisory Committee and the CCC Technical Advisory Committee to provide expert advice to the BCWWA re professional development, education, certification and policy advocacy work
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Report

<p>Technical Safety BC: Video/zoom presentation by Monica Randhawa and Taylor Sidhu In person presentation by Senior Safety Officers-Gas, Rick Vanier and Ryan Milligan</p>	<ul style="list-style-type: none"> • Provincial Gas Certifications include: Class A Gas Fitter, Class B Gas Fitter, Gas Appliance Service, Gas Utility Technician, CNG Vehicle Conversion, LPG Vehicle Conversion, Recreational Vehicle Installation & Service and Special Purpose Certificate of Qualification • Training Provider Program Recognition is now under Client Education Team at TSBC. Improvements are being made to the program ie. Reaching out to training providers to gain input and to provide transparency. Questions? Email programrecognition@technicalsaftybc.ca • TSBC News Includes: Piloting a school outreach program to those approaching certification in the Gas and Electrical trades (initially); In-person Tech Talks are conducted across the province focused on Electrical, Gas & Boiler technologies; the Learning Centre has full list of courses online – sharpen your skills with TSBC • Please refer to the attached TSBC report for more details concerning the Certification Exam Status and Development; Currently Adopted Codes and Future Updates; National Mobility Reconciliation Agreements; Mobile Outdoor Food Service Unit (MOFSU); BC
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	Hydrogen Industry Strategy; Directives and Revised Bulletins.
Move to adjourn – 2:30 pm	Approved by Josh Stull, Camosun College
	Seconded by Rod Smith, University of Fraser Valley
Next Meeting June 21, 2023	North Island College

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Regrets:	Mike Valley (Northern Lights College), Troy Werrell (College of New Caledonia), Kyle Downie (Skill Plan BC), Jed Scheuermann (IAPMO)
Guests:	Lovey Sidhu (Skill Plan BC), Lindsay Bradac and Carl Hansen (American Technical Publishers), Jason Waller (Ridgid and Greenlee Brands), Erin Linde (Site Ready BC), Jim Nicklasson (AO Smith)

Discussion

<p>Chair Darren Vaux discusses PAC meetings with the Articulation Group</p>	<ul style="list-style-type: none">• Steve Nixon (Camosun College) received positive feedback for another PAC meeting Fall 2023 following online meetings due to COVID restrictions• Eric Bradbury (Pacific Vocational College) collaborates with a small group of contractors regarding apprenticeship programs• Darren Vaux (Camosun College) comments: PAC packs more weight when the community is involved• Rob Lafreniere (Kwantlen Polytechnical) has not had PAC meetings rather talks one on one, face to face, with contractors to implement changes to programs• Comment: PAC influences and guides programs bringing the industry together, however, having technical safety and contractors in the same room is sometimes contentious, meaning, 'putting out fires'.• All PAC reports go to Darren who will send to the Articulation Group• Comment: We (faculty) struggle to find trades training instructors. But there are qualified people looking to be instructors ie. plumbers who operate their own business. Can the Articulation Group create a way to list names of people interested in becoming trades instructors?• Concern raised regarding Skilled Trades BC representatives not present for the June 21 meeting. The Articulation Group would have liked to pursue more discussion with STBC.
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Report

<p>Lovey Sidhu, Director of Workforce Development at SkillPlan BC</p>	<ul style="list-style-type: none">• BC based SkillPlan is a nationally recognized leader in workforce development programming• SkillPlan serves 14 International Building Trades unions, their affiliated contractors and technical training providers across North America• SkillPlan has over 30 years experience of providing consulting services and resources to the construction industry• SkillPlan focuses on foundational skills' gaps, addressing learning challenges and delivering industry-specific training programs to help workers succeed in technical training on the job• Build Your Skills Learning Hub is an online learning and support hub that includes trade-specific reading and document use skills focused on math & science• Videos, lessons with step-by-step instructions, real-life trade applications of math and science concepts, animation, practice questions, tips and strategies, quizzes and answer keys keep learners engaged and supports thousands of pre-apprentices and apprentices• Build Your Skills Learning Hub (Preview Account Access) Username: AUDITOR1 Password: SKILLPLAN2023• skillplan.brightspace.com/d2l/login• Darren Vaux comment re SkillPlan, this is a one-on-one tutor, significantly benefitting a struggling student. It is not utilized as much as it could be.• Articulation Group participant comment re SkillPlan: "It's almost too good to be true".
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Report

<p>Jim Nicklasson, Western Regional Sales Manager, AO Smith Enterprises Ltd.</p>	<ul style="list-style-type: none">• AO Smith owns and represents the best known and widely respected water heating and water treatment brands in the industry.• What is happening in the market? Net-Zero Emissions by 2050• Canadian Climate Institute identifies electricity as the path to net zero targets• Residential and commercial heat pumps are increasing in popularity with regional and national rebate programs• US is regulating out multi-flue commercial gas in 2026• Proactive replacements – Cyclone Family Please see attached report for more detail• Switch to heat pump technology – Higher efficiency = lower energy consumption = lower operating costs• AO Smith Academy provides access to product information and remote training. Download the mobile app to have resources at your fingertips AO Smith Academy has training course and troubleshooting scenario tools that make specifying easy. It is Engineer & Contractor focused offering loyalty programs, marketing collateral, support, promotions and surveys
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Report

<p>Jason Waller, Ridgid and Greenlee Brands</p>	<ul style="list-style-type: none">• Ridgid reps are active within the college environment, interacting with students, demonstrating new products, new technologies• Ridgid is an NC3 company opportunity, giving students increasing employability.• NC3 memberships have 3 categories – already developed curriculum, Mega-Press (1999-2000) has made great inroads the past 24 years, modules including certifications (and developing more), competencies and curriculum manuals
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	<ul style="list-style-type: none"> • Ridgid trainers train instructors in a high end, state of the art facility in Ohio • The Articulation Group expressed interest in attending one of these training sessions, potentially in August 2024
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Report

<p>Lindsay Bradac, Canadian Sales & Marketing Executive, American Technical Publishers Carl Hansen, Director Product Development- ATP Learning Solutions, American Technical Publishers</p>	<ul style="list-style-type: none"> • ATP was recognized as The ATP Group Inc in 2014. Includes two divisions: American Technical Publishers and ATP Learning Solutions • The ATP mission has remained the same since its inception in 1898 – “to produce the finest learning material available for career and technical education and training. • ATP Mission Statement: “To help individuals attain employment and advance in their careers by using the latest information and technology to create effective, high-quality, technical training materials.” • ATP content authors have years of hands-on professional experience and exposure to industry, production and safety standards, and best work practices. • ATP products provide both instructors and learners with content that is intuitive and easy to comprehend. • This is achieved by using large, detailed illustrations, relevant step-by-step procedures presented in an easy-to-understand format, digital resources that enhance textbook content • Allows instructors with all levels of experience to quickly establish their curriculum to provide quality face-to-face time with learners • The younger generation learns differently, ATP navigates the course to create a fluid environment making it user friendly. Each unit is broken down – using flash cards, videos, moving images, 3-D technology (a valued learning tool –
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	<p>bringing the manual to life - as the learner can move around the product, zoom inside, become familiar with all working aspects and identifying features)</p> <ul style="list-style-type: none">• United Association (UA) online learning resource library includes instructional guides, instructional plans, PowerPoint presentations, image libraries, formative assessments and test banks, answer keys• Instructors can adapt material appropriate for their region creating unique content and an inspiring learning environment• Example: Instructor Level 1 – (cookbook approach) outlining the things you use and need to teach. How to achieve learning objectives, review ideas, flash cards, final exam questions. “All the tools are there for you”.• Example: Videos on welding safety, welding schedules, different types of welds, how to fill out a program sheet, easily explains the welding program step-by-step. Trigonometry is presented in a way that students understand. This interactive course creates story board content where learners become engaged and additionally, helps apprentices on the job.• Positive step – communication barriers are being addressed by having different audio translations ie. Spanish• Email service@atplearning.com for information on how best to support your training goals or provide you with the resources to make your training a success• Comment: Darren Vaux – Impressed with detail and consistency of high quality visuals.
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Report

<p>Erin Linde, Director of Health and Safety, BC Construction Safety Alliance (BCCSA) and SiteReadyBC</p>	<ul style="list-style-type: none">• BCCSA is a provincial safety association funded by the construction industry through WorkSafeBC (Funded by the industry for the industry)• Provides services, training and advising to about 60,000 construction companies employing over 280,000 workers• BCCSA offers in-person and online safety training, Certificate of Recognition (COR), Injury Management Advising, Traffic Control Person (TCP) Certification, Technical Advisory Committees, Safety Resources and Tools to name a few• COR assesses safety systems including hazard assessments, inspections, incident investigations. There are annual incentives and rebates if COR is attained• BCCSA's <u>no-cost</u> training courses available: Principals of Health & Safety Management, COR Internal Auditor Training, Principals of Injury Management, Leadership for Safety Excellence, Train the Safety Trainer• BCCSA's <u>at-cost</u> training includes WHMIS, Construction Safety Legislation & Admin, Dust Extraction Vacuums, Asbestos Awareness (coming soon), SiteReadyBC costs \$65.00 but is FREE for Apprentices, Foundation students and High School students.• SiteReadyBC is a new construction safety training course created by BCCSA in 2020 and already 10,000 people have taken the course• SiteReadyBC is built for BC workers but has ability to adopt provincial legislation across Canada – such as SiteReadyManitoba – with more coming soon• Worker benefits for SiteReadyBC: provides safety orientation for new and young workers, certification of completion including a WHMIS certificate, interactive, engaging and
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	<p>works with all types of learners and is accessible on all devices</p> <ul style="list-style-type: none"> • Employer benefits for SiteReadyBC: reduces orientation time for employers, assists in employer due diligence, 60 days to complete, workers come prepared with basic H&S knowledge and WHMIS 2015, approved by over 25 major prime contractors in BC
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Discussion – Levels 1 and 2 Modules Corrections

<p>Tim Carson, Provincial Trades Representative, BC Campus</p>	<ul style="list-style-type: none"> • If an instructor creates the manual, the instructor retains ownership and copyright, therefore changes can be made quickly. • However, dealing with publishers can become a ‘slippery slope’ when making changes – has to go to fact checkers, content needs review, write a contract, then a peer review. Process can take 6 months. • Tim confirms he has no influence on content writing – he is an administrator advocating for Open Education Resources to assist faculty • Comment: Paul Simpson (TRU) (re Tim’s question:) Has there been a gap analysis completed between Level 1 and 2? “Does not exist”. • Tim asks the Arbitration Group what funding would be necessary to work out a process. How can BC Campus support you as an educator? • Comment: Darren Vaux - We need more content writers. • Motion to add 3 members to the Curriculum Sub-Committee – Rob Lafreniere (Kwantlen Polytechnical) Steve Gilles (BCIT) Rick Lindberg (BCIT)
	<ul style="list-style-type: none"> • Motion made by Paul Simpson (TRU) • Seconded by Matt Earl (Northern Lights)

<p>Motion to adjourn - 2:30 pm</p>	<p>Approved by Nick Charette (NIC) Seconded by Josh Stull (Camosun College)</p>
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Next Arbitration Group Meeting	June 2024 – Location TBD
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