

Heavy Mechanical Trades Provincial Articulation Committee

MINUTES

BRITISH COLUMBIA COUNCIL ON ADMISSIONS AND TRANSFERS (BCCAT)

Motive Power Centre of Excellence, 1608 Cliveden Avenue, Delta, BC

hosted jointly by BCIT and VCC

June 13 & 14, 2017

Chair: Joe Skipsey, VIU

Minute Taker: Joan Brander, BCIT

Members Present:

Name	Member Institution	Email
Gerry Warne	British Columbia Institute of Technology	gwarne@bcit.ca
Carl Jaggernath	British Columbia Institute of Technology	cjaggernath@bcit.ca
Russell Oye	British Columbia Institute of Technology	Russell_Oye@bcit.ca
Gary Shore	British Columbia Institute of Technology	Gary_Shore@bcit.ca
Keshwan Naidu	British Columbia Institute of Technology	knaidul@bcit.ca
Robert (Bob) Glover	Camosun College	gloverr@bc.ca
Craig Hull	College of New Caledonia	hullc@cnn.bc.ca
Spencer Mellor	College of the Rockies	mellor@cotr.bc.ca
Doug Haycock	Northern Heights College	dhaycock@nlc.bc.ca
Mike Kerbrat	Northwest Community College	mkerbrat@nwc.bc.ca
Doug Noble	Okanagan College	dnoble@okanagan.bc.ca
T.J. Robinson	Selkirk College	trobinson@selkirk.ca
Lyle Hirowatari	Thompson Rivers University	lhirowatari@tru.ca
Mike Shields	Thompson Rivers University	mshields@tru.ca
Russ Thompson	University of the Fraser Valley	russ.thompson@ufv.ca
Jamie Ubell	University of the Fraser Valley	jamie.ubell@ufv.ca
Robert Riquelme	Vancouver Community College	rriquelme@vcc.ca
Rick Cyr	Vancouver Community College	rcyr@vcc.ca
Joe Skipsey	Vancouver Island University	Joe.Skipsey@viu.ca
Paul Mottershead	Vancouver Island University	Paul.Mottershead@viu.ca

Absent/Regrets

Name	Member Institution	Email
Lloyd Babcock	Thompson Rivers University	lbabcock@tru.ca
Jason Sutton	Vancouver Island University	Jason.Sutton@viu.ca

Guests Present

Name	Organization	Email
John FitzGibbon	BCCAT	jfitzgibbon@bccat.ca
Ricky Martineau	Consulab	rmartineau@consulab.com
Dave Gratton	Consulab	dgratton@consulab.com
Coleen Rogan	ITA	crogan@itabc.ca
Kathryn Rockwell	ITA	krockwell@itabc.ca
Kristen Holliday	ITA	kholiday@itabc.ca
Bonnie Johnston	BCIT SPRINT	Bonnie_Johnston@bcit.ca
David Hanly	Snap-on Industrial	dave.r.hanly@snapon.com

June 13 & 14 2017**June 13, 2017 / 8:30 am / Welcome**

Remarks from:

- Brett Griffiths, Dean, School of Trades, Technology & Design, VCC
- Steve Perry, Associate Dean, Motive Power Trades, Heavy Mechanical, Railway and Marine, BCIT
- Russell Oye, Chief Instructor, BCIT
- Rick Cyr, Program Head, VCC

8:45 am

Heavy Mechanical Trades Provincial Articulation Committee and Auto Provincial Articulation Committee separate to their respective meeting rooms.

1. Meeting Called to Order**2. Introductions / Welcome**

- Round table with self-introductions

3. Approval of Agenda and any Additional Items

- Addition of what Institutions are doing for welding

MOTION: to adopt the Agenda with additions

Moved: Russell Oye

Seconded: Lyle Hirowatari

All in favour. Carried.



2017 Agenda.pdf

4. Approval of Minutes of the Articulation Committee Meeting of June 14 & 15, 2016

MOTION: there being no errors or omissions, to accept the Minutes as presented

Moved: Craig Hull

Seconded: Doug Noble

All in favour. Carried.



2016 HMT
Articulation_Minute

ACTION ITEM: Joe Skipsey to delete "DRAFT" from the Minutes

5. Meeting Procedures / Joe Skipsey

- Follow Roberts Rules of Order
- Stronger language is required for decisions that are made
- There is no requirement for quorum
- Discussion on number of votes per Institution

MOTION: for the purposes of voting on issues of this Meeting each Institute will be represented by one Instructor (i.e. one vote)

Moved: Rick Cyr

Seconded: Lyle Hirowatari

All in favour. Carried.

ACTION ITEM: place issue of quorum and number of votes per Institution on next year's Agenda

6. 9:00 am / ITA Presentation / Colleen Rogan, Kathryn Rockwell and Kristen Holliday

See website <http://www.itabc.ca/discover-apprenticeship-programs/search-programs>

- Colleen Rogan gave an update on harmonization initiative and the current apprenticeship model
- Contact your Apprenticeship Advisor for employer information on changes to hours.
- Diesel Engine Mechanic (DEM) is a BC specific program and not part of the Red Seal program, therefore not part of the Harmonization Initiative
- Truck Transport Teck (TTT) was not included in this phase of Harmonization
- Discussion on increasing the 5-year timeline to become a successful apprentice
- **ACTION ITEM:** Colleen will find out when the new NOA is coming out

- Kristen Holliday presented on exams
- In going through her PowerPoint presentation, she noted that "blocks" are not identified, but are included in other areas of the package
- Lines I and J are the last 2 bars on page 7 of the PowerPoint
- The title on slide 16 is a little misleading– the title should read “Other Certification Exam Stats” as DEM is not a Red Seal trade and does not have an Interprovincial Exam
- You can contact your Institute apprenticeship services to schedule multiple types of exams to be written in the same session (ie. Diesel Engine Mechanic CofQ can write with a HMT SLE class). Stats of pass rates are from the old model and are reflective of the old exam content, not the new exam content.
- Since 2014 all exam development is in-house (Program Standards Department). It is a very robust process. All exams are written by SMEs alongside SMEs who are Instructors. They are reviewed and piloted with students and peer reviewed with SMEs. Moving forward, we can be very confident in the validity and reliability of exam results.
- Paul Mottershead mentioned that there is a wide-range of exam results across institutions
- You can get institute-specific data from ITA (contact Kristen Holliday)
- Maintenance for Level 2 was conducted in November, 2016; Level 1 January, 2017; and Level 3 July 2017. All pilot tests have been completed.
- Revised exams (in non-HMT) results are improving

- **ACTION ITEMS:**
 1. There were DEM students who finished Level 2 and thought they were done. However they needed a level exam to get their CofQ. The student said the ITA Outline was incorrect. Kirsten will look into this
 2. Kirsten will provide a comparison of old and new to the Committee (i.e. stats across the years were included elsewhere in the package)

7. 10:30 am / Coffee Break

8. 10:45 am / Training Resources (Crown Publishing) / Chris Teskey (absent)

- In the absence of Chris Teskey of Crown Publishing, Joe read out a written report
- Images are but not very organized. Joe can provide contact info



HMT articulation
report June 2017.do

9. 10:55 am / SLP / Paul Mottershead

See website <https://www.tradetrainingbc.ca/>

- Not a lot of stuff going on right now
- Effort is being made to align training plans
- Trades Training BC (TTBC) website is a great tool
- It's getting a lot of hits, but students don't know about it yet
- TTBC will host SPRINT documents

10. 11:10 am / BCCAT / John FitzGibbon

See website <http://www.bccat.ca/>

See website <https://www.educationplannerbc.ca/>

- BCCAT provides administrative support for all 68 committees
- In BC we have a system of higher education with a vocational sector, an academic sector, a university sector, and a college sector, but they don't talk to each other
- BC articulation committees provide a place for all to talk together
- Examples of disconnect were given:
 1. student numbering system (can't be tracked when apprenticeship takes over)
 2. websites aren't linked
 3. math grades need to be coordinated
- In future all Institutions will be on the Education Planner website and it will be the only place where students can apply. This will be the one-stop place in the future. Currently used for Grade 10 onwards for career planning
- Paid for by Advanced Education
- ITAC days was a centralized agency. ITA came in. Now registration is in-house. Currently there are 3 committees working
- Look at Minutes. Good minutes provide an opportunity to raise issues to a provincial level
- In BC the #1 topic is international students and is increasingly relying on this for funding (up to 90%); i.e. language/cultural expectations/mathematical expectations etc.



BCCAT Update
Spring 2017.pdf

11. Pension Update / Cam McRobb

See website http://www.pensionsbc.ca/portal/page/portal/pen_corp_home/home/

- We have a surplus (small) to create a rate stabilization reserve. Expecting another surplus in next evaluation (every 3 years)
- 75% of your pension comes from investments that are made. Rate of return 6.25% (very conservative). 7% is a ten-year return
- Market is taking a turn. Bonds are safe (fixed rate of return). Now transitioning to different areas (will increase risk, but increase return). Infrastructure, real estate, power (liquid assets). Very diverse group of funds (public, private, infrastructure). Hoping for better than 6.25%. So far so good. In great shape. There is Nothing to worry about
- Pension website has had a complete overhaul
- Changes to website for colleges in September 2017. Member-driven, interactive site. (i.e. planning for retirement can all be done online). New: name multiple beneficiaries. Manage your pension, taxes and pension payments. Online chats. Pension calculator
- Phone Pension Corporation at 1-800 for your number. Website is very accurate. Ability for multiple scenarios. Summary of your account. High security. Very diversified and solid

12. 12:00 pm / Lunch Break

13. 1:00 pm / ITA Exams

- We don't even know if the students should be subjected to exams
- If the objective of ITA is to evaluate Institutions based on the outcomes of the exams, then do the students even know if they need to know their marks
- If ITA is using exams to gauge the performance of the Institute, then why subject students to their marks—it doesn't affect their overall grade. There's no punitive damage done to the mark or self-esteem of the apprentice

MOTION: that this Articulation Committee put forward a letter to the ITA requesting

1. to expedite the level 3 review, and
2. to implement the level 1 and 2 exams within 3 months (i.e. September 2017)

Moved: Lyle Hirowatari Seconded: Spencer Mellor All in favour. Carried.

14. 2:00 pm / Training Resources / Textbooks

- Instructors agreed to share their booklists
- Jamie Ubell recorded a comparison of booklists on the whiteboard



BCPAC Textbook
use.xlsx

15. 2:30 pm / Skills BC / Jamie Ubell and Rick Cyr

See website <http://skillscanada.bc.ca/>

- We need to formalize each Institution to put forward one candidate. Provincial Skills will be better-served if there is one candidate from each Institution
- Submit candidates early January
- Rene is no longer in charge of Skills BC. New chair is Brendan Frith (VCC) bfrith@vcc.ca. This year Brendan will chase down each Institute in January to leave enough time to get a candidate. The only rule is candidate must be enrolled in school In the year from June up to the Skills Date. Because Foundation gets credit for Level 1, they will be accepted
- A superstar at age 21 in level 3 would be ideal. By the time worlds comes around they would be under 22 and still able to go
- There is money from Skills BC for travel and accommodation. Employer needs to release the apprentice. Many do with pay. Employer gets free promo. You can train them before. See Skills website for six categories.
- Participating as a contestant can change the attitude of students
- Volunteers and judges are needed (i.e. 2 judged per station)
- Winners were BCIT (bronze), Okanagan College (silver), and UFV (gold). Very well-organized and very thorough
- All provinces (except Sask and PEI and 2 Territories) were represented

MOTION: to suspend this Meeting until 8:00 am tomorrow

Moved: Rick Cyr

Seconded: Lyle Hirowatari

All in favour. Carried.

Meeting adjourned at 2:53 pm.

16. 3:00 pm / Tour of Motive Power Centre of Excellence on Annacis Island Campus / Russell Oye (BCIT) and Rick Cyr (VCC)

June 14, 2017 / 8:30 am / Meeting Continues

17. 8:35 am / HMT Curriculum Development SPRINT / Bonnie Johnston

- Confirmed to run in 2021
- Instructors are concerned about the content
- The project sponsor is Harmonization Management Committee
- Collaborative effort to make sure all the different stakeholders in the system are represented
- National harmonization initiative. 30 red seal trades divided into 5 groups (i.e. phases). HMT is in phase 2. For our purposes is covering phase 1 and phase 2. Other trades are on the national level
- The three pillars SPRINT is watching:
 1. program outline - there are target timelines
 2. curriculum development project - scope is just phase 1 and phase 2 of the trades
 3. implementation - the biggest part; SPRINT will take it to the Instructors for feedback
- Phase 1 and phase 2 funding approved in September 2016 and extended to November 2017
- SPRINT is a tactic/strategy to get Instructors to kick-start the development. Triggered by release of program outline
- Email was sent to deans of Institutions. If you want to be involved, talk to your dean
- The priority is to complete performance assessments, task sheets that align, and a teaching guideline
- Curriculum created is a template only which can be modified as needed. Everything is modifiable documents (i.e. WORD) and drawings
- Intention is for Instructors to be able to share
- AUTO is same stage as HMT in development. Trying to get L1 and L2 ready for September
- Copyright is a complex issue. Everything's that's new that will be available through TTBC is owned by province of BC and licencing is creative commons. Creative commons means you've cleared copyright. SPRINT is putting onto that site the terms of use that outlines everything.
- Get a copy of Terms of Use from website



Project
Background.pdf

18. 9:30 am / Hybrid and Electric Drive Systems

- The challenge is that hybrid equipment is expensive and hard to come by
- The desire of the Committee was to change the learning task and achievement criteria

MOTION: to <>

Moved: Robert (Bob) Glover Seconded: Lyle Hirowatari All in favour. Carried.

19. 10:15 am / Coffee Break

20. 10:30 am / Institutional ReportsVIU Institutional
Report-1.docxCamosun - Robert
Glover_Articulation_UFV
Articulation_InstitutReport - NLC Doug
Haycock.pdfReport - OK College
Doug Noble (email).**21. 12:00 pm / Lunch****22. 12:30 pm / 2018 Articulation Planning**

TRU has offered to host the 2018 Articulation Meeting

- Suggested dates June 11, 12 and 13, 2018
- HMT 2018 – 2019 Chair will be Lloyd Babcock , Jamie Ubell Vice-Chair. All in favour Carried.
- AUTO 2018 - 2019 Chair will be Rob <last-name> (term unknown), and nominations for Vice-Chair tabled
- Looking ahead two years the location for 2020 could be Cranbrook
- Combined PAC structure is to appease requests from guest presenters

23. 1:00 pm / Consulab / Ricky Martineau

See website www.consulab.com

- Nathan is on mat leave and Dave Gratton is the Accounts Manager
- Ricky presented a PowerPoint that showcased new products
- Consulab is involved with Skills competitions and is sponsor of Worlds in Abu Dhabi in 2017
- More focussed on education
- All published materials are available on website
- There are two places to look for resources (Resources Tab / create a login, create a password, select a product, and select DOWLOADS)
- Re-flashing is a topic of conversation



ConsuLab Rick
Martineau presenta

1:30 pm / Other Matter / Snap-on Tools / David Hanly

See website www.snapon.com/Industrial

See website [https://www.mydigitalpublication.com/publication/?i=257844#{"issue_id":257844,"page":0}](https://www.mydigitalpublication.com/publication/?i=257844#{)

- Quality tools designed for schools
- Offer a student program (45% discount)

24. 1:45 pm / Welding

- There was discussion on the perceived qualifications of Instructors
- Language around what are the expectations around welding needs to be clarified
- There is misconception that C Level Welding is the competency

MOTION: that the HMT Articulation Committee wants it recognized that the Instructors hired to teach HMT are the SMEs who can teach all components of that course as per the appropriate ITA Program Content Guide for the Heavy Mechanical Trades

Moved: Rick Cyr

Seconded: Mike Kerbrat

All in favour. Carried.

25. 2:00 pm / Adjournment / Joe Skipsey

- Joe thanked everyone for attending and for support during his tenure as Chair of the HMT Articulation Committee
- He thanked VCC and BCIT for their hospitality in hosting this event and noted that Institute partnership can work
- He thanked Joan Brander of BCIT for recording the Minutes
- He wished everyone a safe journey home

MOTION: to adjourn the Meeting

Moved: Lyle Hirowatari

Seconded: <>

All in favour. Carried.

The Meeting adjourned at 2:03 pm.

Paul Mottershead
SLP to the Heavy Mechanical Trades

July 7 2017
Hello Paul

At the June 14th and 15th 2017 meeting of the Heavy Mechanical Trades Provincial Articulation Committee meeting we had a good discussion about the qualifications of Heavy Mechanical Trades Instructors instructing the welding components of the foundation and level one HMT course. At some institutions the instructors have been placed on leave or reassigned during this component of the training due to perceived lack of qualifications. It was felt that part of the problem was the curriculum for welding in the HMT/TTM is effectively the same as the old C ticket welding course, a ten month course.

The following motion came out of these discussions.

That the HMT Provincial Articulation Committee wants it recognized that the Instructors hired to teach HMT are the SMEs who can teach all components of that course as per the appropriate ITA Program Content Guide for the Heavy Mechanical Trades

That the curriculum be reviewed to better reflect the current practices in the HMT / TTM trades welding component with consideration to the amount of time allotted for welding in the curriculum.

Thank you for your attention to this motion.

Joe Skipsey
Past Chair
Heavy Mechanical Trades Provincial Articulation Committee



HMT PAC motion on
welding SLP Paul.doc

Hi Joe

In response to your email and in particular the motion. A HMT instructor can in fact teach this. Welding is not a compulsory trade and this is covered at a Foundation level (1 week) very basic. The content in the learning modules is quite deep, I agree and could be trimmed in the future, however like all subjects covered in the Program Outline, an instructor has to look at the content and the time allotted. The time is a good indicator of the depth one should go. By suggesting it has to be a qualified welding instructor opens up a huge can of worms and may turn into being a very slippery slope. I.e: if you have a HD Red Seal instructor, can they teach Truck Transport or vice versa (or Trailer Technician)? The Truck Transport section is certainly a lot more in depth than 1 week of welding.

I think it is important to note that this is basic welding and it is 1 week or less in most cases.

***Paul Mottershead, Associate Dean
Trades and Applied Technology
Vancouver Island University
250-740-6123***

Colleen Rogan

Manager, Program Standards
Industry Training Authority
800 – 8100 Granville Avenue, Richmond, BC

July 7 2017

Hello Colleen

At the June 14th and 15th 2017 meeting of the Heavy Mechanical Trades Provincial Articulation Committee meeting we had a good discussion on the level exams. The following motion came out of those discussions.

The Heavy Mechanical Trades Provincial Articulation Committee request that the ITA expedite a review of the level three exam and implement the recently reviewed level one and two exams within three months. September of 2017

From correspondence that has transpired since the meeting it appears that the ITA is already working on the implementation of the reviewed level one and two exams.

Thank you for your attention to this motion.

Joe Skipsey

Joe.skpsey@viu.ca

250-740-6110

Past Chair Heavy Mechanical Trades Provincial Articulation Committee

Colleen Rogan

Manager, Program Standards
Industry Training Authority
800 – 8100 Granville Avenue, Richmond, BC

July 7 2017

Hello Colleen

At the June 14th and 15th 2017 meeting of the Heavy Mechanical Trades Provincial Articulation Committee meeting we had a good discussion on the wording and practicality of the components of the practical training (repairing) of electrical drive systems. This is covered under D-13 HMT or D-12 TTM. The problem is the practicality of acquiring the components to do the testing and repairs on. Some of the current products are still being protected by the manufacture and cannot be purchased. The following motion came out of those discussions.

The Heavy Mechanical Trades Provincial Articulation Committee request that the ITA prefix learning task two, three, and four of D-13 HMT and D-12 TTM with “describe”. And remove equipment with electric drive from tools and equipment.

This will bring the training institutions into compliance with the curriculum. I have included section D-13 from the HMT out line.

Thank you for your attention to this motion.

Joe Skipsey

Joe.skpsey@viu.ca

250-740-6110

Past Chair Heavy Mechanical Trades Provincial Articulation Committee

Colleen Rogan

Manager, Program Standards
Industry Training Authority
800 – 8100 Granville Avenue, Richmond, BC

July 7 2017

Hello Colleen

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Thank you for your attention to these motions.

Joe Skipsey

Joe.skpsey@viu.ca

250-740-6110

Past Chair Heavy Mechanical Trades Provincial Articulation Committee



HMPAC motion on welding Colleen Ro



HMPAC motion on level one & two exam



HMPAC motion on HMT D-13 & TTM D-

Hi Joe,

There are a few edits to the minutes that we would like to suggest, but I am waiting to confer with Kristen and Kathryn.

Regarding the motions, I'll have to look into what we can do with requests from AC to change the PO. This is certainly outside of the regular maintenance and review process as we have a duty to consult industry and must ensure that any changes to the PO come from industry with input from the Training Providers. It may be that we have to host a program update for HMT that would look at these small edits and updates without overhauling the entire program. I will look into it as it is not currently on the 2017/18 workplan.

Colleen Rogan

Manager, Program Standards

ita

YOUR TICKET.

Industry Training Authority

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Industry Training Authority

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