

May 1, 2023

TO: State Industrial Mechanical & Fluid Maintenance Apprenticeship Advisory Committee

FROM: Owen Smith, Bureau of Apprenticeship Standards; Owen.Smith@dwd.wisconsin.gov

SUBJECT: State Industrial Mechanical & Fluid Maintenance Apprenticeship Advisory Committee Meeting

DATE: Thursday, May 4, 2023

TIME: 10:00 AM – Noon

ACCESS: [Attend virtually.](#)

Attend via phone.

Call: 608-571-2209. Code: 258 105 306#

Attend in person.

Department of Workforce Development, Room F105
201 E Washington Ave, Madison, 53703

TENTATIVE AGENDA

1. Call the meeting to order.
2. Introduce attendees.
3. **Old Business**
 - a. Review the roster.
 - b. **For action:** approve the minutes.
 - c. **For action:** five-year cyclical review of related instruction
4. **New Business**
 - a. Review the revised template for state standards, approved by Policy & Standards Subcommittee:
 - i. Policies established in the *Wisconsin Apprenticeship Manual*
 - ii. Updated policies established by the Department of Labor
 - iii. Policies established by the state committee.
 - b. **For action:** verify policies established by the state committee are accurate.
 - c. **For action:** identify policies established by the state committee to revise further in fall, if needed.
 - d. Questions from the Director's Call.
 - e. Communicating state committee meetings to the public
 - f. Other
5. Review the program participants.
6. Adjourn.

Draft Minutes of the
Industrial Mechanical & Fluid Maintenance
State Apprenticeship Advisory Committee

October 19, 2022
Department of Workforce Development, Madison,
With Virtual Option

Members Present	Employer
Dehnel, Charlee	Domtar
Green, Carl	Expera Specialty Solutions LLC
Steckl, James	Quad
Members Absent	Employer
Harry, Bob	GKN Sinster
Lezendorf, Bryan	3M
Lischka, Ken	John Deere Horicon
Consultants and Guests	Employer
Grunewald, Jeffery	Lakeshore Technical College
Jungwirth, Christina	Northeast Wisconsin Technical College
Metko, Katie	Northcentral Technical College
Nakkoul, Nancy	Wisconsin Technical College System
Neitzel, Lynn	Worldwide Instructional Design System
O'Shasky, Lynn	Bureau of Apprenticeship Standards
Popp, Corey	Bureau of Apprenticeship Standards
Schmidt, Cole	Mid-State Technical College
Smith, Owen	Bureau of Apprenticeship Standards

1. The meeting was called to order at 10:03 a.m. by Mr. Smith, in conformity with the Wisconsin Opening Meeting Law.
2. Attendees introduced themselves. A quorum was not present.
3. The committee reviewed the roster. Mr. Smith announced that the Bureau will help recruit additional members.

4. Action Items

a. Approve the minutes.

Committee members in attendance agreed with the minutes as written. A quorum was not present for the second time, so the Bureau approved all outstanding minutes.

b. Discuss review of related instruction.

Mr. Smith noted the Bureau will forward WIDS' related instruction surveys to all sponsors. This not standard operating procedure; rather, it ensures the occupations not currently represented on the committee have an opportunity to respond.

The state committee supported sending the surveys to all sponsors.

5. Discussions

a. Follow-up questions from the BAS Director's Call with State Committees

Mr. Smith reviewed that Directors' Call attendees can comment via chat only, due to the large attendance. Therefore, the Bureau includes this item to ensure time for lengthier discussion.

Attendees did not have questions or comments.

b. How is this industry preparing for infrastructure projects?

Attendees did not have questions or comments.

c. Reimbursements for on-the-job learning and supportive services

Attendees did not have questions or comments.

d. Register your National Apprenticeship Week event with the Department of Labor

Attendees did not have questions or comments.

e. Other

Attendees did not have questions or comments.

6. The state committee reviewed the participant statistics and did not find discrepancies.
7. The meeting adjourned at 10:43 a.m.

Submitted by Owen Smith, Senior Analyst, Wisconsin Apprenticeship

50-423-1 Maintenance Mechanic/Millwright Employer Survey Results

WTCS Related Instruction Review



This survey was shared with companies that employ **Maintenance Mechanic/Millwright** Apprentices. The initial survey was closed on January 6, 2023. A second email was sent and the survey closed on February 24, 2023. There was a total of 22 respondents.



Results

Q2 - Does the related instruction have gaps or new content that needs to be addressed?

Respondent 1	No
Respondent 2	No
Respondent 3	No
Respondent 4	No
Respondent 5	No
Respondent 6	No
Respondent 7	No
Respondent 8	No
Respondent 9	No
Respondent 10	No
Respondent 11	No
Respondent 12	No
Respondent 13	No
Respondent 14	No
Respondent 15	No
Respondent 16	No
Respondent 17	Based on feedback from our apprentices, there seems to be a gap in blueprint reading. Several apprentices shared that the course only addressed machining blueprints but no pneumatic/hydraulic schematics/prints so going into hydraulic classes there was a slight learning curve. Additionally, we send our Machine Repair apprentices to additional courses (Robotics & Servo Controls and Predictive Maintenance Technologies) in addition to their required related instruction.
Respondent 18	Practical hands-on boiler diagnostics training. Building automation operator training. Basic PM skills
Respondent 19	Didn't look like the most recent NEC code book was being used?
Respondent 20	No
Respondent 21	No
Respondent 22	No

Q3 - Are you aware of any outdated or irrelevant related instruction content?

Respondent 1	No
Respondent 2	No
Respondent 3	No
Respondent 4	No
Respondent 5	No
Respondent 6	No
Respondent 7	No
Respondent 8	No
Respondent 9	No

Respondent 10	No
Respondent 11	No
Respondent 12	No
Respondent 13	No
Respondent 14	No
Respondent 15	No
Respondent 16	No
Respondent 17	No
Respondent 18	No
Respondent 19	No
Respondent 20	No
Respondent 21	No
Respondent 22	No

Q4 - Would you like to explore the alignment of the related instruction and on the job learning with the attainment of a technical diploma or post-secondary course credits for the apprentice?

Respondent 1	No
Respondent 2	No
Respondent 3	No
Respondent 4	Possibly
Respondent 5	Yes
Respondent 6	No
Respondent 7	No
Respondent 8	No
Respondent 9	Local college has already provided our Apprentices with this information.
Respondent 10	Maybe
Respondent 11	No
Respondent 12	No
Respondent 13	Yes
Respondent 14	No
Respondent 15	No
Respondent 16	Yes
Respondent 17	Yes - several apprentices thought this could be a great opportunity to pursue if apprentices would like to obtain such a goal. However, they do not believe it should be required.
Respondent 18	Yes
Respondent 19	No
Respondent 20	No
Respondent 21	No
Respondent 22	No

Q5 - What else do you want to communicate about the related instruction for this program?

Respondent 1	NA
Respondent 2	NA
Respondent 3	NA
Respondent 4	NA
Respondent 5	NA
Respondent 6	NA
Respondent 7	NA

Respondent 8	NA
Respondent 9	Local college does a good job of getting employers involved and asking for feedback on a regular basis surrounding curriculum and our training needs.
Respondent 10	NA
Respondent 11	NA
Respondent 12	NA
Respondent 13	NA
Respondent 14	NA
Respondent 15	NA
Respondent 16	NA
Respondent 17	NA
Respondent 18	Implementation of skills assessment that confirms all basic requirements have been met during training.
Respondent 19	Nothing currently, the program seems to be very beneficial to our employees and us!
Respondent 20	NA
Respondent 21	Interested for apprentices if they would like to pursue this
Respondent 22	A very good program, filling a job specific curriculum.

50-423-3 Millwright Pipefitter Employer Survey Results

WTCS Related Instruction Review



This survey was shared with companies that employ Millwright Pipefitter Apprentices. The initial survey was closed on January 6, 2023. A second email with a survey link was sent and the survey closed on February 24, 2023. There was a total of 9 respondents.

The following people completed the survey.

Results

Q2 - Does the related instruction have gaps or new content that needs to be addressed?

Respondent 1	No
Respondent 2	No
Respondent 3	No
Respondent 4	No
Respondent 5	No
Respondent 6	No
Respondent 7	Instructor retention and instructional help
Respondent 8	No
Respondent 9	Shaft alignment

Q3 - Are you aware of any outdated or irrelevant related instruction content?

Respondent 1	No
Respondent 2	No
Respondent 3	No
Respondent 4	No
Respondent 5	No
Respondent 6	No
Respondent 7	No
Respondent 8	No
Respondent 9	No

Q4 - Would you like to explore the alignment of the related instruction and on the job learning with the attainment of a technical diploma or post-secondary course credits for the apprentice?

Respondent 1	No
Respondent 2	No
Respondent 3	No
Respondent 4	No
Respondent 5	No
Respondent 6	No
Respondent 7	No
Respondent 8	No
Respondent 9	No

Q5 - What else do you want to communicate about the related instruction for this program?

Respondent 1	NA
Respondent 2	NA

Respondent 3	NA
Respondent 4	Employees of ours within this program have had complaints of the instructor turnover at the local technical college they attend. The one employee of ours is on his third teacher.
Respondent 5	NA
Respondent 6	NA
Respondent 7	NA
Respondent 8	NA
Respondent 9	NA

50-423-7 Lubrication Technician Employer Survey Results

WTCS Related Instruction Review



This survey was shared with companies that employ Lubrication Technician Apprentices. The initial survey was closed on January 6, 2023. A second email with a survey link was sent was sent and the survey closed on February 24, 2023. There was a total of 1 respondent.



Results

Q2 - Does the related instruction have gaps or new content that needs to be addressed?

Respondent 1	No
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Q3 - Are you aware of any outdated or irrelevant related instruction content?

Respondent 1	No
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Q4 - Would you like to explore the alignment of the related instruction and on the job learning with the attainment of a technical diploma or post-secondary course credits for the apprentice?

Respondent 1	Although AriensCo sponsors this opportunity, we have yet to actually make it an opportunity within our organization. We have yet to see this as a need we have to fill.
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Q5 - What else do you want to communicate about the related instruction for this program?

Respondent 1	NA
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50-435-3 Industrial Pipefitter Employer Survey Results

WTCS Related Instruction Review



This survey was shared with companies that employ Industrial Pipefitter Apprentices. The initial survey was closed on January 6, 2023. A second email with a survey link was sent was sent and the survey closed on February 24, 2023. There was a total of 6 respondents.

Results

Q2 - Does the related instruction have gaps or new content that needs to be addressed?

Respondent 1	No
Respondent 2	No
Respondent 3	No
Respondent 4	No
Respondent 5	No
Respondent 6	No

Q3 - Are you aware of any outdated or irrelevant related instruction content?

Respondent 1	No
Respondent 2	No
Respondent 3	No
Respondent 4	No
Respondent 5	No
Respondent 6	No

Q4 - Would you like to explore the alignment of the related instruction and on the job learning with the attainment of a technical diploma or post-secondary course credits for the apprentice?

Respondent 1	Yes
Respondent 2	No
Respondent 3	No
Respondent 4	No
Respondent 5	No
Respondent 6	No

Q5 - What else do you want to communicate about the related instruction for this program?

Respondent 1	NA
Respondent 2	NA
Respondent 3	NA
Respondent 4	I believe that this apprenticeship program offers all relative info needed to become a successful Fitter
Respondent 5	NA
Respondent 6	it is a very good program and a good way for us to put someone with minimum experience thru training and bring their knowledge level up.

50-442-1 Welding Fabricator Employer Survey Results

WTCS Related Instruction Review



This survey was shared with companies that employ **Welding Fabricator** Apprentices. The initial survey was closed on January 6, 2023. A second email with a survey link was sent and the survey closed on February 24, 2023. There was a total of 5 respondents.

Results

Q2 - Does the related instruction have gaps or new content that needs to be addressed?

Respondent 1	No
Respondent 2	No
Respondent 3	No
Respondent 4	No
Respondent 5	No

Q3 - Are you aware of any outdated or irrelevant related instruction content?

Respondent 1	No
Respondent 2	No
Respondent 3	No
Respondent 4	No
Respondent 5	No

Q4 - Would you like to explore the alignment of the related instruction and on the job learning with the attainment of a technical diploma or post-secondary course credits for the apprentice?

Respondent 1	No
Respondent 2	No
Respondent 3	No
Respondent 4	Yes
Respondent 5	No

Q5 - What else do you want to communicate about the related instruction for this program?

Respondent 1	NA
Respondent 2	NA
Respondent 3	NA
Respondent 4	NA
Respondent 5	NA

State Committee Report



This summary counts employers and apprentices, between 5/1/2023 and 5/1/2023 with contract status as Active & Unassigned in occupation(s) associated with this committee.

Report is based on apprentice contracts where:

- Contract sector is 'Industrial'.
- Contract occupation code matches a occupation code assigned to committee.
- Contract sponsor is the employer.

Note: Employers active in more than one occupation or committee can cause Column #3 totals at the Committee or State level to deviate from the summed total of the individual occupation or committee rows.

Occupation	Apprentices									Employers				
	Total	Minority		Females		Union		Non-Union		Total	Union		Non-Union	
		#	%	#	%	#	%	#	%		#	%	#	%
1	2	3	3a	4	4a	5	5a	6	6a	7	8	8a	9	9a
Report Total	588	63	10.7	13	2.2	286	48.6	302	51.4	189	69	36.5	123	65.1
Industrial Manufacturing Technician (00-0000.00)	36	8	22.2	5	13.9	0	0	36	100.0	10	0	0	10	100.0
Industrial Pipefitter (00-0000.00)	20	4	20.0	0	0	14	70.0	6	30.0	10	6	60.0	4	40.0
Lubrication Technician (00-0000.00)	1	0	0	0	0	1	100.0	0	0	1	1	100.0	0	0
Machine Repair (00-0000.00)	13	2	15.4	0	0	8	61.5	5	38.5	9	5	55.6	4	44.4
Maintenance Mechanic (00-0000.00)	270	29	10.7	2	.7	136	50.4	134	49.6	89	35	39.3	56	62.9
Maintenance Mechanic/Pipefitter (00-0000.00)	33	1	3.0	0	0	25	75.8	8	24.2	6	4	66.7	2	33.3
Mechatronics Technician (49-2094.00)	61	8	13.1	2	3.3	1	1.6	60	98.4	32	1	3.1	31	96.9
Millwright (00-0000.00)	119	6	5.0	4	3.4	75	63.0	44	37.0	47	26	55.3	21	44.7
Millwright/Pipefitter (00-0000.00)	17	3	17.6	0	0	17	100.0	0	0	2	2	100.0	0	0
Welder - Fabricator (00-0000.00)	18	2	11.1	0	0	9	50.0	9	50.0	10	4	40.0	6	60.0

Historical Report by Year

Report Period: 2023* and Previous -10 Years

*Current year is YTD data as of Run Date: 05/01/2023		
Run Date: 05/01/2023		
State Industrial Mech & Fluid Maint Comm		
Sponsored Trade Group(s): Industrial		
Year	Active Apprentices	Active Sponsors
2013	370	138
2014	414	150
2015	488	159
2016	524	169
2017	499	167
2018	534	171
2019	664	204
2020	635	204
2021	607	194
2022	593	189
2023	600	188

