

Approved Minutes of the
Automatic Fire Sprinkler Fitter
State Apprenticeship Advisory Committee

April 14, 2020
Webinar

Members Present	Employer / Organization
Burg, Nick	Sprinkler Fitters Local 183
Carlson, Sherry	Design Build Fire Protection
Klug, Kevin	Dave Jones Inc.
Sferra, Steve (Co-Chair)	United States Alliance Fire Protection
Members Absent	Employer / Organization
Driebel, Dan	Sprinkler Fitters Local 669
Gall, Corey (Co-Chair)	Sprinkler Fitters Local 183
Radke, Eric	Gruneau Fire Protection
Consultants & Guests	Employer / Organization
Badger, Richard	Bureau of Apprenticeship Standards
Burkette, Blair	Blair Fire Protection
Emrick, Leigh	Associated Builders & Contractors
Johnson, Josh	Bureau of Apprenticeship Standards
Polk, David	Milwaukee Area Technical College
Smith, Owen	Bureau of Apprenticeship Standards

1. The meeting was called to order at 10:05 a.m. by Co-Chair Steve Sferra, in conformity with the Wisconsin Open Meeting Law.
2. Attendance was recorded by the Bureau.
3. The committee reviewed its current roster. A quorum was present. The Employer side will add one merit-shop representative and one union representative. The Employee side will add one representative.

Mr. Blair Burkette asked whether the number of Employer representatives per contractor organization is determined by its percentage of active or unassigned apprentices. Mr. Smith replied that it is not; each organization may nominate at least one Employer representative.

4. **Old Business**

a. **Review items from the previous meeting.**

i. For action: approve the minutes

The minutes were approved as written

ii. For action: assessing applicants via Accuplacer Next Generation, alternative mechanical-spatial

Mr. Owen Smith reviewed that the state committee required local committees to accept ACT scores from applicants in lieu of administering Accuplacer Next Generation. However, the state committee left the minimum scores to the discretion of each local committee. That policy has been in place for at least one year, so the state committee can continue or modify the policy.

Action: *the state committee preferred to continue to require local committee to accept ACT scores and allow local committees to establish their required minimum scores.*

The state committee reiterated its interest in exploring WorkKeys as an alternative assessment. Director Johnson review that the WorkKeys as a potential mechanical-spatial assessment, but the Bureau is still researching its feasibility.

b. **Implementing revisions to CFR 29.30**

Mr. Kasper updated attendees on the Bureau's progress:

- The Bureau's overall approach is to educate and assist sponsors, not punish them.
- BAS plans to meet with sponsors this summer to discuss the revisions, implementation, and expectations. The meetings will likely be held via webinar.
- The Bureau will use its AA/EEO website as the primary reference for sponsors and apprentices. The page can be accessed from the BAS homepage by clicking the AA/EEO tab on the left.
- BAS updated its information management systems to send automated disability disclosure forms to apprentices; if apprentices choose to complete the form, a copy is sent to the sponsor and ATR. This helps BAS meet the new requirement to track apprentices with disabilities for sponsors with five or more active apprentices.
- Sponsors should email their questions to Mr. Kasper.

Attendees did not have questions or comments.

c. **Industry-Recognized Apprenticeship Programs**

Director Johnson reported that IRAPs have been implemented nationally and the construction sector was not included. The Bureau, as the approving agency of all apprenticeships in Wisconsin, will deny IRAPs in Wisconsin and instead discuss flexible options available through registered apprenticeship. More information is likely to come, so the Bureau will keep the state committees informed.

Attendees did not have questions or comments.

d. **Federal grants to expand registered apprenticeship**

The Bureau has three active federal grants. The first, WAGE\$, is proceeding well. The Bureau anticipates meeting all over its targets except total number of apprentices in new occupations, which is not a surprise because the first programs in new sectors grow slowly at first.

The second and third grants—the State Apprenticeship Expansion (SAE) grant and the Apprenticeship State Expansion (ASE) grant—will help integrate registered apprenticeship into the workforce system. Through the SAE grant, the Bureau will reimburse sponsors for hiring graduates of certified pre-apprenticeship programs. Through the ASE grant, the Bureau funded two full-time Apprenticeship Navigators in the Milwaukee area. The Navigators will connect registered apprenticeship sponsors with the workforce community—WIOA certified individuals, youth apprenticeships, certified pre-apprenticeships, offenders—and will reimburse registered apprenticeship sponsors for certain costs of on-the-job learning.

Attendees did not have questions or comments.

e. Revisions to www.WisconsinApprenticeship.org

Director Johnson reported that the Bureau received permission from the Department of Workforce Development to re-revise its website to look and function differently than the DWD template. The request was influenced by claims from featured sponsors that the recent redesign made their contact information more challenging to access. The Bureau will revise the site this summer.

Attendees did not have questions or comments.

f. Apprenticeship Completion Award Program (ACAP)

Director Johnson reported that ACAP continues to be a strong example of bipartisan support for registered apprenticeship. He reviewed the most recent totals and noted that the denied reimbursements will always be greater than awarded reimbursements because the maximum reimbursement is 25% of total costs or \$1,000, whichever comes first. He shared that the Bureau is further automating its ACAP processing system to eliminate opportunities for errors. The Department will likely request that ACAP is included in the next biennial budget request.

Attendees did not have questions or comments.

g. Other

Attendees did not have additional topics.

5. New Business

a. Lessons learned from DWD tour of Germany Apprenticeship Program

Director Johnson reported that he, Secretary Frostman, and several WI Apprenticeship stakeholders visited Germany to tour the Germany Apprenticeship Program. He stated the visit was invaluable in learning how WI Apprenticeship could improve and how it works very well already, within the context of U.S. society.

He noted several key take-aways:

- Apprenticeship in Germany is a socio-economic institution. Many, many industries and occupations train workers through registered apprenticeship, and students qualified for apprenticeships are tracked as early as fourth grade. These dynamics are possible due to greater government involvement in industries and the K-12 institutions.
- Similarly, apprenticeship in Germany focuses almost exclusively on preparing students and youth; apprenticeship is rarely used by adults to change careers because they would be far behind the skill level of youth. In contrast, Wisconsin Apprenticeship focuses mostly on

helping adults prepare for careers, and Wisconsin Youth Apprenticeship focuses on broadly exposing participants to a career cluster or industry rather than prepare for an occupation.

- WI Apprenticeship works very well within the contexts of U.S. society. Involving K-12 students in career and technical education is very important. Although the U.S. secondary school system would not accept "tracking" students early, students are now required to begin "academic career planning" in middle school.
- Therefore, the most feasible means of strategically positioning Wisconsin Apprenticeship in the K-12 system are to include youth and registered apprenticeship as options within academic career planning and to promote bridging youth apprenticeship to registered apprenticeship.

Attendees did not have questions or comments.

b. 2021 Biennial Apprenticeship Conference

Director Johnson reported that the conference will be held February 22-24, 2021, at the Wilderness Hotel in the Wisconsin Dells. The planning team has begun meeting. The specific theme, workshops, and speakers are under discussion, but the primary focus will be that apprenticeship is for everyone, e.g. every sector, worker, student, partner, etc.

The Apprenticeship Expo will be included. By summer the Bureau will launch the registration page via EventBrite and mail a save-the-date notice.

Attendees did not have questions or comments.

c. 2020 National Apprenticeship Week

The 2020 National Apprenticeship Week was not yet announced nationally, so the Bureau will observe Wisconsin Apprenticeship Week the week of November 8-14.

Attendees did not have questions or comments.

d. Revising Transition to Trainer

Director Johnson reported that the Bureau, Wisconsin Technical College System, and Worldwide Instructional Design System have begun revising "Transition to Trainer." The revisions will make the course more accessible to non-traditional apprenticeship occupations, update terminology and learning activities, and introduce on-line delivery of specific modules. The project is lead by WTCS and includes an industry focus group of trainers from traditional and new sectors.

Attendees did not have questions or comments.

e. BAS leadership and personnel changes

Director Johnson thanked attendees for their letters of support for his acceptance as Bureau Director. He emphasized that his vision is to innovate registered apprenticeship by integrating it further with certified pre-apprenticeship, youth apprenticeship, technical diplomas, and more.

Additional personnel changes include the following:

- Tommy Myles, Apprenticeship Navigator
- Dawn Pratt, Apprenticeship Navigator

- Milton Rogers, Apprenticeship Training Representative for Madison
- Corey Popp, Apprenticeship Training Representative for Madison
- Melissa Kendhammer, Apprenticeship Training Representative for La Crosse
- Chris Landerman, Apprenticeship Training Representative for Appleton

Attendees did not have questions or comments.

f. Other

i. Related instruction during COVID-19

Director Johnson thanked attendees for their flexibility in meeting via webinar. He emphasized that COVID-19 is an unprecedented occurrence, so the Bureau fully supports sponsors and technical colleges in proceeding at their discretion in a manner that they deem safe. The Bureau requests only that sponsors and technical colleges ensure that apprentices eventually receive the proper instruction so they can complete the program. He noted that all Bureau staff will work from home through May.

Attendees thanked Director Johnson for his support and flexibility.

ii. Lead abatement training opportunity through WI Dept. of Health Services.

Mr. Owen Smith reported that the WI Dept. of Health Services will reimburse training centers for lead abatement training for apprentices and journey workers through its Lead Safe Homes program. He asked representatives of local committees and training centers if they would be interested in learning more. He is informally gauging interest during the state committee season and will email an official letter, background information, and interest survey in May.

Representatives of Local 183 replied that the organization has infrequent demand for that work, but the local committee would like to review the information.

iii. Is installing fire and security alarms in the occupation's scope of work?

Director Johnson informed attendees that a Wisconsin employer in fire and security alarm installation submitted national apprenticeship standards for the Bureau's approval. He asked the state committee whether installing fire and security alarm systems is within the scope of work of a Sprinkler fitter. The state committee replied that those duties are outside of the occupation's work. and asked to review the standards anyways.

6. WTCS Upda

Mr. David Polk reported that Milwaukee Area Technical College shifted classes online. Face-to-face instruction, including Transition to Trainer, is projected to resume on June 8, if the Governor's Safer At Home Order is lifted.

7. Review the program participants.

Program participants included 96 apprentices and 20 employers with contracts active or unassigned on April 1, 2020.

8. The committee tentatively asked to schedule its next meeting via electronic survey.

9. The meeting adjourned at 11:15 a.m.

Submitted by Owen Smith, Program & Policy Analyst

April 7, 2020

TO: State Automatic Fire Sprinkler Fitter Apprenticeship Advisory Committee
Members and Consultants

FROM: Owen Smith, Bureau of Apprenticeship Standards
608-266-2491; owen.smith@dwd.wisconsin.gov

SUBJECT: State Automatic Fire Sprinkler Fitter Apprenticeship Advisory Committee meeting

DATE: Tuesday, April 14, 2020

TIME: 10:00 a.m.

PLACE: **Webinar only**
Link: www.dwdwi.webex.com/dwdwi/j.php?MTID=m6bbd544f39b7945e258defb0dba10694
Meeting number: 925 591 434
Password: auHMKPiW926
Phone: +1-855-282-6330 US TOLL FREE
Access code: 925 591 434

TENTATIVE AGENDA

1. Call the meeting to order.
2. Introduce attendees.
3. Review the current roster.

4. Old Business

- a. Review the follow-up items from previous meeting
 - i. **For action:** approve the minutes of the previous meeting
 - ii. **For action:** assessing applicants with Accuplacer Next Generation, alternate mechanical-spatial.
- b. Implementing revisions to CFR 29.30
- c. Industry-Recognized Apprenticeship Programs
- d. Federal grants to expand registered apprenticeship
- e. Revisions to www.WisconsinApprenticeship.org
- f. Apprenticeship Completion Award Program (ACAP)
- g. Other

5. New Business

- a. Lessons learned from DWD tour of Germany Apprenticeship Program
- b. 2021 Biennial Apprenticeship Conference
- c. 2020 National Apprenticeship Week
- d. Revising Transition to Trainer

- e. BAS leadership and personnel changes
- f. Reimbursable training in lead disciplines via Lead-Safe Homes Program
- g. Other

- 6. Review the program participants.
- 7. Schedule the next meeting.
- 8. Adjourn.

WAGE\$ Apprentices and Sponsors by Occupation Spring 2020 Committee Update

The Wisconsin Apprenticeship Growth and Expansion Strategies (WAGE\$) grant is a 5-year, \$5 million grant from the US Department of Labor. The purpose is to expand Registered Apprenticeship in Advanced Manufacturing and develop new programs in Information Technology and Health Care. The grant started October 1, 2015, and will conclude September 30, 2020.

- The overarching goal is 1,000 apprentices in the occupations selected for grant support.
- The table below shows the number of apprentices and sponsors in each occupation.
- Community Health Worker and Cybersecurity Specialist are in development.
- Pharmacy Technician was recently completed.
- Data Analyst has four apprentices that are being counted by Employ Milwaukee, Inc.'s sister grant. There is one Data Analyst sponsor.

WAGE\$ Apprentices by Occupation Cumulative 10/01/2015 - 03/08/2020 <small>This report includes apprentice contract records which, during the selected report period, match the following criteria: CONTRACT DISTRICT= ALL, CONTRACT SECTOR= ALL, CONTRACT TRADE=Industrial Manufacturing Technician;Maintenance Technician;Mechatronics Technician;Welder - Fabricator;Welder / Automated Welding;Software Developer;Pharmacy Technician, Retail Store;Medical Assistant;IT Service Desk Technician;Data Analyst;Broadband Service Technician;Cybersecurity Analyst, CONTRACT TYPE(s)=Apprentice, APPR SEX= ALL, APPR MINORITY= ALL, APPR RACE(s)= ALL, ER WDA= ALL, ER COUNTY= ALL, ER NAME= ALL, ER UI= ALL, INMATE= ALL, SCHOOL NAME= ALL, SPONSOR TYPE(s)= ALL, SPONSOR NAME(s)= ALL, TRANSFER TO= ALL, TRANSFER FROM= ALL</small>				
Occupation Name	Count Sponsors	Count App	Female	Minority
Report Total:	Total 205 sponsors	633	63 (10%)	99 (16%)
Industrial Manufacturing Technician	12 sponsors	135	19 (14%)	37 (27%)
Maintenance Technician	131 sponsors	329	4 (1%)	30 (9%)
Mechatronics Technician	37 sponsors	90	2 (2%)	6 (6%)
Welder / Automated Welding and Welder - Fabricator	15 sponsors	34	1 (3%)	4 (12%)
Broadband Service Technician	1 sponsor	1	0 (0%)	0 (0%)
Data Analyst (4 apprentices but all are counted by Employ Milwaukee)	1 sponsor	0		
IT Service Desk Technician	4 sponsors	4	1 (25%)	1 (25%)
Software Developer	3 sponsors*	2	2 (100%)	0 (0%)
Medical Assistant	1 sponsor	38	34 (89%)	21 (55%)
*Number of sponsors is greater than the number of apprentices because one apprentice left one job and started with a different sponsor				

All ACAP Reimbursement Requests Processed (Time Period) - Summary

Apprenticeship Completion Award Program (ACAP)

Bureau of Apprenticeship Standards

Division of Employment and Training

3/5/20 10:27 AM

Filters Applied: Determination Date between 7/1/19 and 3/5/20, Fiscal Year(s)= FY20

Type	Fiscal Year	# of RRs	\$Approved	\$Denied
Year One	20		\$127,224.23	\$616,354.68
Year One Totals		618	\$127,224.23	\$616,354.68
Completion	20		\$164,478.91	\$1,026,716.02
Completion Totals		376	\$164,478.91	\$1,026,716.02
Report Totals		994	\$291,703.14	\$1,643,070.70



WTCS System-Wide Activity Update March 2020

WTCS-BAS 20 Apprenticeship Completion Report

The 2020 WTCS-BAS Apprenticeship Completer Report is now available online. The report contains employment, wage and training satisfaction outcomes for apprentices completing their programs in 2016-17. It can be found here: [2020 WTCS-BAS Apprentice Completer Report](#)

- Of the 1,143 completers surveyed, 488 (43%) responded. (In the prior year report, 847 completers were surveyed and response rate was 39%.)
- Respondents reported a 92% satisfaction rate for on-the-job training and 96% for classroom instruction.
- Median salary across all trades increased to \$80,344. This is up from \$77,753 and \$71,624 in the two prior reporting years.
- Respondents indicating an interest in continuing education beyond apprenticeship remained steady at 44%.

WTCS Apprenticeship Enrollment Trend

WTCS enrollments across all apprenticeship programs increased from 6903 to 7588 unduplicated, and 7450 to 7696 duplicated, students by the end of 2018-2019 academic year. That is a 9.9% and 3.3% increase, respectively, in one year. A current mid-year snapshot for 2019-20 is showing 7524 enrolled apprentices. Confirmed actual enrollment for the 2019-20 academic year will not be available until August 2020.

Active WTCS-BAS Apprenticeship Programs, By Sector, Occupation, and College as of January 2019

The master chart of all apprenticeship programs with related instruction offered through the WTCS colleges can be found here via the following link. "Active" is defined as approved programs with enrollments in the past two years. The color-coded chart can be found on the MyWTCS website here: [WTCS Active Apprenticeship Programs March 2020 \(Color Chart\)](#)

Apprentice Related Instruction



Active WTCS/BAS Programs by Sector and Occupation - February 2020

	BLACKHAWK	CHIPPEWA VALLEY	FOX VALLEY	GATEWAY	LAKESHORE	MADISON AREA	MID-STATE	MILWAUKEE AREA	MORAINES PARK	NICOLET AREA	NORTH CENTRAL	NORTHEAST WI	SOUTHWEST WI	WAUKESHA	WESTERN	WI INDIANHEAD
Construction Sector Apprentice Related Instruction																
Bricklaying/Masonry																
Carpentry																
Concrete Finishing/Cement Mason																
Drywall Finisher																
Electrical																
Electronic Systems Tech/Voice-Data-Video																
Glazing																
HVAC/Environmental Service																
Ironworking																
Operating Engineer/Heavy Equipment																
Painting & Decorating																
Plumbing																
Roofing																
Sheet Metal																
Sprinkler Fitting																
Steamfitting Construction																
Steamfitting Service/Refrigeration																
Industrial Sector Apprentice Related Instruction																
Electrical & Instrumentation/Instrumentation Tech																
Industrial Electrician																
Industrial Manufacturing Technician																
Injection Mold Set-Up (Plastic)																
Machinist																
Maint Mech/Millwright/Lube Tech/Machine Repair																
Maintenance Technician																
Mechatronics																
Metal Fabricator/Industrial Sheetmetal																
Pipe Fabricator/Welder																
Pipefitter																
Resilient Floor																
Tool & Die/Patternmaker/Moldmaker																

Apprentice Related Instruction



Active WTCS/BAS Programs by Sector and Occupation - February 2020

	BLACKHAWK	CHIPPEWA VALLEY	FOX VALLEY	GATEWAY	LAKESHORE	MADISON AREA	MID-STATE	MILWAUKEE AREA	MORAINES PARK	NICOLET AREA	NORTH CENTRAL	NORTHEAST WI	SOUTHWEST WI	WAUKESHA	WESTERN	WI INDIANHEAD
Service Sector Apprentice Related Instruction																
Arborist																
Barber/Cosmetologist																
Broadband Service Technician																
Cook/Chef																
Electrical Line Worker																
Facilities Maintenance Technician																
IT-Data Analyst																
IT-Service Desk Technician																
IT-Software Developer																
Metering Technician																
Substation Electrician																
Wastewater Treatment Operator																

State Committee Report - Construction

State Auto Fire Sprinkler Committee

This summary counts employers and apprentices with contract(s) active or unassigned on 4/1/2020 in trade(s) associated with this committee.

Sponsor Name Trade	Apprentices									Employers				
	Total	Minority		Female		Union		Non- Union		Total	W/Union Appr		W/Non-Union Appr	
		#	%	#	%	#	%	#	%		#	%	#	%
1	2	3	3a	4	4a	5	5a	6	6a	7	8	8a	9	9a
All Sponsors Total	96	8	8.3	1	1.0	61	63.5	35	36.5	20	11	55.0	9	45.0
ABC of Wisconsin (All)	35	3	8.6	0	0.0			35	100.0	9			9	100.0
Sprinklerfitter (0186228102205)	35	3	8.6	0	0.0			35	100.0	9			9	100.0
Milwaukee Area Sprinkler Fitter JAC	61	5	8.2	1	1.6	61	100.0			11	11	100.0		
Sprinklerfitter (0186228102205)	61	5	8.2	1	1.6	61	100.0			11	11	100.0		

Report Filters: Time Frame = 10 Years; Trade Group = ALL; Trade = Sprinklerfitter; Sex = ALL; Race/Ethnicity = ALL

Cal Yr	Total # Active Contr in CY	Average (at contract registrtion)		# (Count) and % (Percent of Total Active Contracts in Column B)															
				Service		Sex				Race/Ethnicity (Ind'ls May belong to multiple categories)									
				Veteran		Female		Male		White		Minority		Black		Hispanic		Other	
		Age	Educ.	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
All Wisconsin Trades																			
2010	75	26.7	12.1	5	7%	0	0%	75	100%	73	97%	5	7%	2	3%	2	3%	1	1%
2011	64	26.4	12.2	3	5%	0	0%	64	100%	64	100%	2	3%	0	0%	1	2%	1	2%
2012	60	26.6	12.3	4	7%	0	0%	60	100%	59	98%	4	7%	1	2%	1	2%	2	3%
2013	60	27.0	12.4	2	3%	0	0%	60	100%	59	98%	2	3%	1	2%	0	0%	1	2%
2014	64	27.0	12.5	3	5%	0	0%	64	100%	63	98%	1	2%	1	2%	0	0%	0	0%
2015	69	27.2	12.6	7	10%	0	0%	69	100%	68	99%	2	3%	1	1%	0	0%	1	1%
2016	80	28.1	12.7	8	10%	0	0%	80	100%	79	99%	2	3%	1	1%	0	0%	1	1%
2017	96	28.4	12.7	15	16%	0	0%	96	100%	95	99%	4	4%	1	1%	2	2%	1	1%
2018	109	27.8	12.7	15	14%	0	0%	109	100%	106	97%	6	6%	2	2%	3	3%	1	1%
2019	116	27.9	12.7	15	13%	0	0%	116	100%	112	97%	8	7%	1	1%	3	3%	4	3%
*2020	105	28.1	12.8	15	14%	1	1%	104	99%	102	97%	8	8%	1	1%	4	4%	3	3%

All Wisconsin 'Construction' Trades																			
Sprinklerfitter																			
2010	75	26.7	12.1	5	7%	0	0%	75	100%	73	97%	5	7%	2	3%	2	3%	1	1%
2011	64	26.4	12.2	3	5%	0	0%	64	100%	64	100%	2	3%	0	0%	1	2%	1	2%
2012	60	26.6	12.3	4	7%	0	0%	60	100%	59	98%	4	7%	1	2%	1	2%	2	3%
2013	60	27.0	12.4	2	3%	0	0%	60	100%	59	98%	2	3%	1	2%	0	0%	1	2%
2014	64	27.0	12.5	3	5%	0	0%	64	100%	63	98%	1	2%	1	2%	0	0%	0	0%
2015	69	27.2	12.6	7	10%	0	0%	69	100%	68	99%	2	3%	1	1%	0	0%	1	1%
2016	80	28.1	12.7	8	10%	0	0%	80	100%	79	99%	2	3%	1	1%	0	0%	1	1%
2017	96	28.4	12.7	15	16%	0	0%	96	100%	95	99%	4	4%	1	1%	2	2%	1	1%
2018	109	27.8	12.7	15	14%	0	0%	109	100%	106	97%	6	6%	2	2%	3	3%	1	1%
2019	116	27.9	12.7	15	13%	0	0%	116	100%	112	97%	8	7%	1	1%	3	3%	4	3%
*2020	105	28.1	12.8	15	14%	1	1%	104	99%	102	97%	8	8%	1	1%	4	4%	3	3%