For L&I Staff Use Only	
Received 05/19/2025 L&I Apprenticeship Consultant	Teri Gardner 5-19-25 L&I Admin

Department of Labor and Industries
Apprenticeship Section
PO Box 44530
Olympia WA 98504-4530

Request for Revision of Standards

TO: Washington State Apprenticeship & Training Council

FROM: **IAM/Boeing Joint Apprenticeship Committee #154**

Please update our Standards of Apprenticeship to reflect the following changes:

- Additions shall be underlined (<u>underlined</u>).
- Deletions shall be struck through (~~struck through~~).
- See attached.

Form must be signed by Committee Chair *and* Secretary *or* Program's Authorized Signer

☐ Chair ☒ Authorized Signer	Date 05-16-2025	☐ Secretary	Date
Print Name: Raymond Miller		Print Name:	
Signature:		Signature:	

Approved By: **Washington State Apprenticeship & Training Council**
Signature of Secretary of the WSATC:
Date:

Attach additional sheets if necessary

Occupational Objective(s):	SOC#	Term [WAC 296-05-015]
~~**INDUSTRIAL**~~ **ELECTRONIC MAINTENANCE TECHNICIAN**	**49-2094.00**	**9200 HOURS**
FACILITIES CRANE MAINTENANCE MECHANIC	**49-9043.00**	~~**7360**~~ **HOURS**
FACILITIES CRANE MAINTENANCE MECHANIC	**49-9043.00**	**8000 HOURS**
MODEL MAKER	**51-7031.00**	~~**7360**~~ **HOURS**
MODEL MAKER	**51-7031.00**	**8000 HOURS**

IV. TERM OF APPRENTICESHIP:

The term of apprenticeship will be 7,360 hours of reasonably continuous employment and experience in the principal operations of the trade for the following occupations:

Blue Streak Mechanic
Composite Manufacturing Technician
~~**Facilities Crane Maintenance Mechanic**~~
Flight Line Mechanic
Jig & Fixture Tool Maker
Machine Tool Maintenance Mechanic
Machinist, Maintenance Machinist
Manufacturing Machinist
Metal Structures Technician
~~**Model Maker**~~
NC Skin Mill Operator NC
Spar Mill Operator
Painter Finisher (Aerospace)
Tool & Cutter Grinder Quality Assurance Inspector

The term of apprenticeship will be 8,000 hours of reasonably continuous employment and experience in the principal operations of the trade for the following occupations:

Facilities Crane Maintenance Mechanic
Model Maker

The term of apprenticeship will be 9,200 hours of reasonably continuous employment and experience in the principal operations of the trade for the following occupations:
~~**Industrial**~~ **Electronic Maintenance Technician**

V. INITIAL PROBATIONARY PERIOD:

C. ~~For the 7,360 hours apprenticeship programs, the 20% probationary period is 1,472 hours. These programs are:~~

~~Blue Streak Mechanic~~

~~**Composite Manufacturing Technician**~~
~~**Facilities Crane Maintenance Mechanic**~~
~~**Flight Line Mechanic**~~
~~**Jig & Fixture Tool Maker**~~
~~**Machine Tool Maintenance Mechanic**~~
~~**Machinist, Maintenance Machinist**~~
~~**Manufacturing Machinist**~~
~~**Metal Structures Technician**~~
~~**Model Maker**~~
~~**NC Skin Mill Operator NC**~~
~~**Spar Mill Operator**~~
~~**Painter Finisher (Aerospace)**~~
~~**Tool & Cutter Grinder Quality**~~
~~**Assurance Inspector**~~

~~**For the 9,200 hours apprenticeship programs, the 20% probationary period is 1,840 hours. These programs are:**~~

~~**Industrial Electronic Maintenance Technician**~~
~~**Tool & Die Maker**~~

C. The initial probationary period for all occupations covered by these standards shall be the first 20% of the total program hours.

VII: APPRENTICE WAGES AND WAGE PROGRESSION:

C. Wage Progression Schedules

For Blue Streak Mechanic; Composite Manufacturing Technician; Jig & Fixture Tool Maker; Machinist; Metal Structures Technician; NC Spar Mill Operator; Painter Finisher (Aerospace); Tool & Cutter Grinder; and Quality Assurance Inspector programs.

Job Code	Step	Hour Range or competency step	Percentage of journey level wage rate*
AxxA0	**1**	**0000 to 1000 hours**	~~**70.78%**~~ **70%**
AxxA1	**2**	**1001 to 2000 hours**	~~**74.11%**~~ **74%**
AxxA2	**3**	**2001 to 3000 hours**	~~**77.44%**~~ **77%**
AxxA3	**4**	**3001 to 4000 hours**	~~**80.70%**~~ **80%**
AxxA4	**5**	**4001 to 5000 hours**	~~**84.01%**~~ **84%**
AxxA5	**6**	**5001 to 6000 hours**	~~**89.52%**~~ **89%**
AxxA6	**7**	**6001 to 7000 hours**	~~**90.65%**~~ **90%**
AxxA7	**8**	**7001 to 7360 hours**	~~**93.93%**~~ **93%**

For Facilities Crane Maintenance Mechanic; Flight Line Mechanic; Manufacturing Machinist; Machine Tool Maintenance Mechanic; Maintenance Machinist; Model Maker; and NC Skin Mill Operator programs.

Job Code	Step	Hour Range or competency step	Percentage of journey-level wage rate*
AxxA0	**1**	**0000 to 1000 hours**	~~**70.95%**~~ **70%**
AxxA1	**2**	**1001 to 2000 hours**	~~**74.26%**~~ **74%**
AxxA2	**3**	**2001 to 3000 hours**	~~**77.75%**~~ **77%**
AxxA3	**4**	**3001 to 4000 hours**	~~**80.88%**~~ **80%**
AxxA4	**5**	**4001 to 5000 hours**	~~**84.21%**~~ **84%**
AxxA5	**6**	**5001 to 6000 hours**	~~**87.52%**~~ **87%**
AxxA6	**7**	**6001 to 7000 hours**	~~**90.84%**~~ **90%**
AxxA7	**8**	**7001 to ~~7360~~ 8000 hours**	~~**94.19%**~~ **94%**

For ~~Industrial~~ Electronic Maintenance Technician, and Tool & Die Maker programs.

Job Code	Step	Hour Range or competency step	Percentage of journey-level wage rate*
AxxA0	**1**	**0000 to 1000 hours**	~~**70.61%**~~ **70%**
AxxA1	**2**	**1001 to 2000 hours**	~~**73.31%**~~ **73%**
AxxA2	**3**	**2001 to 3000 hours**	~~**75.94%**~~ **75%**
AxxA3	**4**	**3001 to 4000 hours**	~~**78.62%**~~ **78%**
AxxA4	**5**	**4001 to 5000 hours**	~~**81.30%**~~ **81%**
AxxA5	**6**	**5001 to 6000 hours**	~~**83.95%**~~ **83%**
AxxA6	**7**	**6001 to 7000 hours**	~~**86.59%**~~ **86%**
AxxA7	**8**	**7001 to 8000 hours**	~~**89.27%**~~ **89%**
AxxA8	**9**	**8001 to 9000 hours**	~~**91.94%**~~ **91%**
AxxA9	**10**	**9001 to 9200 hours**	~~**94.60%**~~ **94%**

VIII. WORK PROCESSES:

C. Facilities Crane Maintenance Mechanic:

(Crane types: Overhead, Stacker, Hoist, Monorail, Lowerator)

		Code	Hours	Hours
1.	**Inspect, Maintain and Replace Crane Brakes and Ropes**	**A**	~~**1500**~~	**1600**
2.	**Perform Frequent Preventative Maintenance Jobs**	**B**	~~**3000**~~	**3150**
3.	**Maintain Cab Operated Cranes**	**C**	~~**600**~~	**750**
4.	**Troubleshoot and Maintain Crane Fluid Power Systems**	**D**	~~**300**~~	**325**
5.	**Troubleshoot and Maintain Crane Power Transmission Systems**	**E**	~~**800**~~	**850**
6.	**Lubricate Crane Systems**	**F**	~~**200**~~	**300**
7.	**Rebuild and Install Crane Systems**	**G**	~~**600**~~	**640**
8.	**Inspect, Maintain & Replace Crane Rails and Expansion joints**	**H**	~~**360**~~	**385**
	TOTAL HOURS:		~~**7360**~~	**8000**

D. ~~Industrial~~ Electronic Maintenance Technician

		Code	Hours
1.	General Machine Shop Equipment	A	1040
2.	Regulatory Preventive Maintenance	B	400
3.	Process Equipment	C	1460
4.	Machine Alignments	D	1120
5.	Machine Rebuild & Installation	E	1240
6.	Fluid Power Systems	F	240
7.	Building and Facilities Equipment	G	640
8.	Networking and Computer Systems	H	1160
9.	NC/CNC Equipment	I	1900
	TOTAL HOURS:		9200

K. Model Maker:

		Code	Hours	Hours
1.	Engine Lathe	A	~~320~~	400
2.	Milling Machine	B	440	
3.	Boring Mills	C	120	
4.	Grinding	D	80	
5.	Heat Treat	E	40	
6.	Electrical (Elementary)	F	120	
7.	Rapid Prototyping, SLS/SLA*	G	280	
8.	Jig Bore	H	120	
9.	Electrical Discharge Machine	I	240	
10.	NC/CNC Milling	J	680	
11.	NC/CNC Lathe	K	208	
12.	Model Construction**	L	~~3712~~	4100
13.	Tunnel Support	M	~~680~~	852
14.	Remote Terminal and Machine Layout	N	240	
15.	Saws and Water Jet	O	80	
	TOTAL HOURS:		~~7360~~	8000

IX. RELATED/SUPPLEMENTAL INSTRUCTION:

C. Additional Information:

~~**1. Apprentices will be provided with a minimum of 144 hours of RSI per year, up to a total of 590 hours over the course of their apprenticeship, unless otherwise directed by the committee for the occupation of Painter Finisher (Aerospace).**~~
~~**[Number remaining RSI per year variance statements approved on 01/15/2015 accordingly]**~~

X. ADMINISTRATIVE/DISCIPLINARY PROCEDURES:

3. Sponsor Procedures:

d. Evaluation during probation:
From the information obtained on the weekly evaluation, the evaluating supervisor will submit, a written monthly report ~~to his or her management~~. The written monthly report will take into consideration the following factors: mechanical aptitude, attitude, work habits, comprehension, retention, interest, attendance, and the individual's ability to work with other employees. After the written monthly evaluation has been reviewed and approved by the first ~~and second~~ line management, a copy of the evaluation will be forwarded to the IAM/Boeing Apprenticeship Training Office for review by the IAM/Boeing Joint Apprenticeship Committee.

XI. SPONSOR – RESPONSIBILITIES AND GOVERNING STRUCTURE

E. Committee governance (if applicable): (see WAC 296-05-009)

[Please delete and replace committee/subcommittee in its entirety]

c. The employer representatives shall be:

Sarah Rollins, Secretary
The Boeing Company
P.O. Box 3707, MC 67-102
Seattle, WA 98124-2207

Mark West
The Boeing Company
P.O. Box 3707, MC 5A-106
Seattle, WA 98124-2207

Shelly Wilson
The Boeing Company
P.O. Box 3707, MC 5M-201
Seattle, WA 98124-2207

Zach Jovanovich, Alternate
The Boeing Company
P.O. Box 3707, MC 5A-106
Seattle, WA 98124-2207

d. The employee representatives shall be:

Andrew Schier, Chair
The Boeing Company
P.O. Box 3707, MC 5M-202
Seattle, WA 98124-2207

Shari Boggs
The Boeing Company
P.O. Box 3707, MC 5C-106
Seattle, WA 98124-2207

John Nason
The Boeing Company
P.O. Box 3707, MC 16-101
Seattle, WA 98124-2207

Corey Ackerman, Alternate
The Boeing Company
P.O. Box 3707, MC 3P-262
Seattle, WA 98124-2207