



NEVADA LABOR COMMISSIONER
NEVADA STATE APPRENTICESHIP COUNCIL
2023 Non-Joint Standards of Apprenticeship

Appendix A

WORK PROCESS SCHEDULES AND RELATED INSTRUCTION OUTLINE

Summit Fire & Security

**Fire Protection Systems Inspector
(Existing Title: Quality Control Inspector)**

O*NET-SOC CODE: 51-9061-00 RAPIDS CODE: 0936TB

**APPROVED BY
THE NEVADA LABOR COMMISSIONER AND THE NEVADA STATE APPRENTICESHIP COUNCIL**

Toni Giddens, Nevada State Apprenticeship Director

REGISTRATION DATE: _____

RAPIDS PROGRAM ID NUMBER: _____

**DEVELOPED IN COOPERATION WITH THE
THE NEVADA LABOR COMMISSIONER, THE NEVADA STATE APPRENTICESHIP COUNCIL AND
THE U.S. DEPARTMENT OF LABOR**

Appendix A

WORK PROCESS SCHEDULE

This schedule is attached to and a part of these Standards for the above identified occupation.

1. TYPE OF OCCUPATION

☒ Time-based ☐ Competency-based ☐ Hybrid

2. TERM OF APPRENTICESHIP

The term of the occupation shall be defined by the attainment of all competencies of the position. 1) If the program uses a time-based approach, requires the completion of not less than 2,000 hours of [work experience,] on-the-job learning, consistent with training requirements as established by practice in the trade; (2) If the program uses a competency-based approach, specify the skills that must be demonstrated by an apprentice and address how on-the-job learning will be integrated into the program; or (3) If the program uses a hybrid approach, specify the skills that must be acquired and the minimum number of hours of on-the-job learning that must be completed by an apprentice.

This would be expected to occur within approximately **4000** hours (must be at least 2,000 hours) of OJL, supplemented by the minimum of 144 hours of related instruction per year of the apprenticeship.

3. RATIO OF APPRENTICES TO JOURNEYWORKERS

The apprentice to journey worker/fully trained worker ratio is: 1 apprentice(s) to 2 journey worker/fully trained worker(s).

4. APPRENTICE WAGE SCHEDULE

An apprentice minimum starting wage will be at least \$ **16.50** per hour.

Apprentices shall be paid a progressively increasing schedule of wages based on either a percentage or a dollar amount of the current hourly journey worker/fully trained worker wage. A journey worker/fully trained worker minimum wage will be at least \$ **30.00**.

Period	%	Wage (Hourly)
1st	55	\$16.50
2nd	65	\$19.50
3rd	75	\$22.50
4th	85	\$25.50
End Wage	100.00 % at completion	\$30.00 wage at completion

Periodic review and evaluation of the apprentice's on-the-job learning and related technical instruction will be conducted in alignment with the wage schedule established.

5. WORK PROCESS SCHEDULE (See attached Work Process Schedule)

The sponsor may modify the work processes to meet local needs prior to submitting these Standards to the appropriate Registration Agency for approval.

6. RELATED INSTRUCTION OUTLINE (See attached Related Instruction Outline)

The sponsor may modify the related instruction to meet local needs prior to submitting these Standards to the appropriate Registration Agency for approval.

Appendix A

WORK PROCESS SCHEDULE

The term of the occupation shall be defined by the attainment of all competencies, both technical and behavioral, of the position, which would be expected and approximated to occur within **8000** hours of OJL, supplemented by a minimum of 144 hours of related instruction per year of apprenticeship.

Apprenticeship Competencies – Technical

Item	Work Processes	Approx. Hours
A	Workplace Safety	200
B	Water Based Systems ITM	1200
C	Fire Alarm ITM	1200
D	Special Hazards ITM	500
E	Documentation, Coordination & Identification	900
F		
G		
H		
I		
J		
K		
L		
M		
N		
O		
P		
Q		
	Total hours (approximate)	4000

The above on-the-job-learning (OJL) work process competencies are intended as a guide. It need not be followed in any sequence, and it is understood that some adjustments may be necessary in the hours allotted for different work experience. In all cases, the apprentice is to receive sufficient experience to make them fully competent and use good workmanship in all work processes, which are a part of the industry. In addition, the apprentice shall be fully instructed in safety and OSHA requirements.

Apprenticeship Competencies – Behavioral

In addition to mastering all the essential technical competencies, an apprentice must consistently demonstrate at an acceptable level the following behavioral competencies, to complete the apprenticeship.

Item #	Behavioral Competencies
1.	Participation in team discussions/meetings
2.	Focus in team discussions/meetings
3.	Focus during independent work
4.	Openness to new ideas and change
5.	Ability to deal with ambiguity by exploring, asking questions, etc.
6.	Knows when to ask for help
7.	Able to demonstrate effective group presentation skills
8.	Able to demonstrate effective one-on-one communication skills
9.	Maintains an acceptable attendance record
10.	Reports to work on time
11.	Completes assigned tasks on time
12.	Uses appropriate language
13.	Demonstrates respect for patients, co-workers, and supervisors
14.	Demonstrates trust, honesty, and integrity
15.	Requests and performs work assignments without prompting
16.	Appropriately cares for personal dress, grooming and hygiene
17.	Maintains a positive attitude
18.	Cooperates with and assists co-workers
19.	Follows instructions/directions
20.	Able to work under supervision
21.	Able to accept constructive feedback and criticism
22.	Able to follow safety rules
23.	Able to take care of equipment and workplace
24.	Able to keep work area neat and clean
25.	Able to meet supervisor's work standards
26.	Able to not let personal life interfere with work
27.	Adheres to work policies/rules/regulations

RELATED INSTRUCTION OUTLINE

The related instruction has been developed in cooperation with employer-partners as part of the apprenticeship. The following is a set of courses to be delivered by subject matter experts.

Related Technical Instruction (RTI) - This instruction shall include, but not be limited to, at least **144** hours per year for each year of the apprenticeship. The related theoretical education listed below is tightly integrated with real work product. The curriculum is defined as a variety of classes, around which the exams and projects are based. By defining the RTI this way, all competencies required of the students are met, through project work.

COURSE TOPICS	HOURS
A. Unit 1	40 hours
B. Unit 2	40 hours
C. Unit 3	40 hours
D. Unit 4	40 hours
E. Unit 5	40 hours
F. Unit 6	40 hours
G. Unit 7	40 hours
H. Unit 8	40 hours

COURSE TOPIC DESCRIPTIONS

A. Unit 1 Introduction to Fire Life Safety; Company Policies and Procedures; NICET Preparation

General introduction to the fire life safety industry & fire protection systems; introduction to NFPA & IBC codebooks and structure; introduction to company overview and policies & procedures for inspection, testing & maintenance personnel; corporate expectations for system dumps/customer-facing procedure; introduction to necessity of soft skills for field personnel; introduction to NICET testing procedures & reference requirements.	40
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B. Unit 2 Safety

OSHA 30 Training	40
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C. Unit 4- Water Based Systems**2023 Non-Joint Standards of Apprenticeship**

Inspections, testing & maintenance standards of water-based systems including Wet Pipe; Dry Pipe; Pre-Action; Standpipe; FDCs.	40
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D. Unit 5-Fire Alarm Systems

Inspections, testing & maintenance standards of fire alarm systems including Fire Alarm Control Panels; Initiation & Notification appliances; NAC Panels.	40
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E. Unit 6-Special Hazard Systems

Inspections, testing & maintenance standards of fire suppression systems including Portable Extinguishers; kitchen hood suppression systems; CO2 systems; Dry Chemical systems; Wet Chemical systems; Clean Agent systems & Foam systems.	40
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F. Unit 7-Fire Pumps

Inspections, testing & maintenance standards of fire pumps including electric & diesel fire pumps; jockey pumps; controllers and appurtenances; overview of water tanks & water supply used for private fire protection; fire hydrant testing/marketing.	40
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G. Unit 8-Healthcare & Other Special Industry Considerations; Review & Final Exam

Considerations for inspections, testing & maintenance in healthcare facilities & similarly governed facilities; other industry-specific considerations (i.e. Detention facilities; hotels; manufacturing plants; marine vessels, etc.	40
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GRAND TOTAL**320**

SECTION 27 - OFFICIAL ADOPTION OF APPRENTICESHIP STANDARDS

Summit Fire & Security hereby adopts these standards of apprenticeship.

Sponsor(s) designate the appropriate person(s) to sign the standards on their behalf.

Signature of Sponsor (*designee*)

Date: _____

Type Name & Title