

U.S. Department of Labor Employment and Training Administration Office of Apprenticeship Training, Employer and Labor Services (OATELS) Washington, D.C. 20210	<u>Distribution:</u>  A-541 Headquarters A-544 All Field Tech A-547 SD+RD+SAC+ Lab. Com	<u>Subject:</u> New Apprenticeable Occupation: Safety Technician (Safety Inspector)(painting and decorating industry only  <u>Code:</u> 200
Symbols:		Action:

**PURPOSE:** To inform Office of Apprenticeship Training, Employer and Labor Services (OATELS), the Bureau of Apprenticeship and Training (BAT) staff of a new apprenticeable occupation:

Safety Technician (painting and decorating industry only)  
 O\*NET/SOC CODE: 29-9011.00  
 RAIS CODE: 0707  
 TRAINING TERM: 6000 HOURS

**BACKGROUND:** Request for apprenticeability consideration for this occupation was submitted by the International brotherhood of Painters and Allied Trades (IBPAT). The occupation is approved for the painting and decorating industry only.

The suggested work process schedule and related instruction outline attached to this bulletin is designed for the painting and decorating industry. IBPAT intends that those apprentices taking this training will already have trade experience and knowledge. Therefore, 6000 hours of trade related work experience is noted as a prerequisite for entrance on the suggested work process schedule.

As with other apprenticeship programs, apprentices in this occupation will be assured of qualified training and supervision on the job.

There may be interest in having this occupation recognized as apprenticeable for other industries. However, such requests must be submitted to the Bureau's National office for apprenticeability determination.

The occupation is listed in the Dictionary of Occupational Titles as **Safety Inspector** with **Safety Technician** as a subtitle. The sponsor prefers the title, **Safety Technician**. Therefore, the occupation will be listed as **Safety Technician** with **Safety Inspector** in parenthesis.

This brings the total number of occupations recognized as apprenticeable by the Bureau of Apprenticeship and Training to **837**. For further information, contact Phyllis H. Isreal, Chief, DNIP

**NOTE:** This Bulletin is being sent via GROUPWISE Mail System (E-Mail). Bureau State Directors should provide copies to their SAC customers as appropriate.

Attachments

**WORK PROCESS SCHEDULE**  
**SAFETY TECHNICIAN (painting and decorating industry only)**  
 O\*NET/SOC CODE: 29-9011.00 AIMS CODE: 0707

**DESCRIPTION:** Inspects machinery, equipment, and working conditions in industrial or other setting to ensure compliance with occupational safety and health regulations: inspects machines and equipment for accident prevention devices. Observes workers to determine use of prescribed safety equipment, such as glasses, helmets, goggles, respirators, and clothing. Inspects specified areas for fire-prevention equipment and other safety and first-aid supplies. Tests working areas for noise, toxic, and other hazards, using decibel meter, gas detector, and light meter. Prepares report of findings with recommendations for corrective action. Investigates accidents to ascertain causes for use in recommending preventive safety measures and developing safety program. May demonstrate use of safety equipment.

**ON-THE-JOB TRAINING:**

**NOTE:** This suggested work process schedule is designed for the painting and decorating industry only. It is intended that those apprentices taking this training will already have trade experience and knowledge. Therefore, 6000 hours of trade related work experience is a prerequisite for entrance.

<b>DETAILED BREAKDOWN OF HOURS FOR ON-THE-JOB TRAINING</b>	
<b>Approximate Time: 6000 Hours</b>	
<b>Discipline</b>	<b>Approximate Hours</b>
<b>A. Site Hazard Analysis (300 hours)</b>	
<b>1. Site pre-job walk through</b>	
<b>a. Determine all visible hazards for that specific             job site</b>	<b>75</b>
<b>1. Heights</b>	
<b>2. Performs test for</b>	
<b>1. Noise levels</b>	
<b>a. Decibel meter</b>	
<b>2. Toxins</b>	
<b>a. Gas detector</b>	
<b>3. Light</b>	<b>30</b>
<b>a. Light meter</b>	
<b>b. Review test results of air and materials                 already on job</b>	<b>105</b>
<b>1. To determine proper PPE</b>	
<b>2. To determine proper worker work                         practices</b>	<b>90</b>
<b>c. Review MSDS of all materials on site.</b>	

<b>DETAILED BREAKDOWN OF HOURS FOR ON-THE-JOB TRAINING</b>	
<ul style="list-style-type: none"> <li>1. To insure workers of any special protection</li> <li style="padding-left: 20px;">c. Review bid specifications for methodology and any materials to be used.               <ul style="list-style-type: none"> <li>1. To determine risk factor of work procedure</li> </ul> </li> </ul>	
<p><b>B. Safety Program Development (600 hours)</b></p> <ul style="list-style-type: none"> <li>1. The development of specific safety programs required by regulatory laws. To be in place on all job sites and must be the company's own plan to meet these laws, i.e., fall protection programs and respiratory programs and training.</li> </ul>	<b>600</b>
<p><b>C. Writing of Programs (600 hours)</b></p> <ul style="list-style-type: none"> <li>1. The writing of all written programs to meet the standards of regulatory requirements, in which all data and information gathered in development stage is used to explain step-by-step the methods workers are to follow to insure their safety on the job. These programs are in great detail and cover all job functions and conditions.</li> </ul>	<b>600</b>
<p><b>D. Training Workers (900 hours)</b></p> <ul style="list-style-type: none"> <li>1. Health and Safety training of workers               <ul style="list-style-type: none"> <li>a. This shall be training of workers on the health effects of the materials they are in contact with on the job sites. It is on the proper personal protective equipment they are to use and how to use and maintain it properly. These classes would also include instruction on company policies on when special procedures are required.</li> </ul> </li> <li>2. Hazard Awareness Training               <ul style="list-style-type: none"> <li>a. This training is delivered to workers on all known hazards of the job site. Educating them on how to recognize and to avoid these hazards. It also explains what should be done in case such a problem arises.</li> </ul> </li> </ul>	<p><b>600</b></p> <p><b>300</b></p>
<p><b>E. Job Safety Inspection (3,600 hours)</b></p>	

<b>DETAILED BREAKDOWN OF HOURS FOR ON-THE-JOB TRAINING</b>	
<b>1. Equipment inspection - Inspection of all safety devices designed to insure equipment safety in respect to workers.</b>	<b>600</b>
<b>2. Hazard inspection - Inspection of job site conditions, such as, housekeeping, trips or fall causing conditions, etc.</b>	<b>900</b>
<b>3. Monitoring and inspection of workers on job sites. Visually inspecting worker habits and behavior to insure their safety and that they are in compliance with the company=s written programs and regulatory requirements.</b>	<b>1000</b>
<b>4. Investigating accidents, violations and causes</b>	<b>367</b>
<b>5. Written reports on violations and accidents</b>	<b>367</b>
<b>6. Written recommendations</b>	<b>366</b>

### **APPROXIMATE HOURS**

#### **RELATED INSTRUCTION:**

Adult Teaching Techniques	48
Curriculum Development	48
*CPR, First Aid, Blood Borne Pathogen(Student Level)	10
CPR, First Aid, Blood Borne Pathogen(Instructor Level)	32
Lead Abatement(Student Level)	32
Lead Abatement(Instructor Level)	40
Confined Space and Fall Protection(Student Level)	8
Confined Space and Fall Protection(Inspector Level)	40
*HAZCERT Training(Student Level)	10
HAZCERT Training(Inspector Level)	40
OSHA 500 Training(Inspector Level)	40
HAZWOPER(Inspector Level)	40
Stages, Scaffolds, Ladders(Instructor Level)	40
Science, Air Monitoring, Written Programs and Testing Devices	<u>80</u>
<b>TOTAL HOURS</b>	<b>508</b>

## **FIRST YEAR**

### **Adult Teaching Techniques**

This course will educate the apprentice on the delivery of student curriculum "how-to" planning and strategy, enabling the apprentice to understand and develop written plans for instructing others.

### **\*CPR, First Aid and Blood Borne Pathogens**

This course enables the apprentice to provide rapid care to injured workers on the job site by Red Cross standards. The apprentice is also educated in the prevention of disease transmission through body fluids (blood borne pathogens), as well as all regulations which apply to these subjects.

### **Lead Abatement - Student Level**

This course will educate the apprentice on the history, healthy affects, PPE required in lead abatement, and a complete overview of standards and their right to know. This course also covers risk assessment in relation to methodology of removal. it also covers various pertinent subjects relating to regulator requirements.

### **\*HAZ-CERT Training**

Educates the apprentice to all the various State specific hazards on construction sites and how to recognize, access information and correct these or any hazard.

**\*Apprentices must successfully complete these courses prior to beginning their on-the-job training.**

### **Stages, Scaffolds, Ladders and High Lifts**

Erection, inspection and maintenance of elevated and suspended platforms. Pro-active safety checks and proper installation of related fall protection/prevention devices.

### **Science, Air Monitoring, Written Programs and Testing Devices**

The development of the apprentice's knowledge on these subjects will be over the three-year period, with segments advancing each year. it will include monitoring equipment maintenance, recordkeeping, quality control instruments, calibration and other engineering controls.

## **SECOND YEAR**

### **Curriculum Development**

the education of how to develop materials, information, and reports professionally. Writing techniques, and methods to develop documents.

### **CPR, First Aide, Blood Borne Pathogens - Instructor Level**

To have the apprentices certified to be able to train and certify workers in CPR, first aide, and blood borne pathogens.

### **Confined Space and Fall Protection - Instructor Level**

Education of all regulatory laws on confined space and fall protection. As well as how to demonstrate many devices and equipment used for either.

**Lead Abatement - Instructor Level**

The education of how to train workers in the hazards of lead abatement and to protect themselves.

**Science, Air Monitoring, Written Programs and Testing Devices**

Further education on these topics from year one.

**THIRD YEAR**

**Science, Air Monitoring, Written Programs and Testing Devices**

This final segment will detail in-depth education with testing, and hands on application to insure comprehension.

**Stages, Scaffolds and Ladders - Instructor Level**

The apprentices will be educated to deliver training in all aspects of this competency to workers.

**HAZWOPER - Instructor Level**

The apprentice will be certified to deliver training on hazardous material handling and clean up to workers in the field.

**OSHA 500 - Instructor Level**

The apprentice will be certified to deliver the OSHA 10 and 30 hour course to workers in the field.

**Confined Space and Fall Protection**

This will be a review and up-date on these topics.