

U. S. Department of Labor

Employment and Training Administration  
Office of Apprenticeship  
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January 10, 2008

Don Davis  
LA County Electrical JATC & Training Fund  
6023 South Garfield Road  
City of Industry, CA 90040

Dear Mr. Davis:

Per my email, this letter serves as an official response that your additional occupations of Electrical, Residential Wireman; Street Light Servicer; and Telecommunications Technician have been approved. The data has been entered into RAPIDS and you may begin indenturing apprentices.

Thank you for your interest in apprenticeship and please feel free to contact our office should you need any further assistance.

Sincerely,

Michael W. Longeuay  
Regional Director

# Appendix A

**OCCUPATION SCHEDULE FOR:** (INSTALLER, SOUND & TELECOMMUNICATION SYSTEMS) Telecommunications Technician

**DOT CODE:** DOT 829.281.022

**O\*NET/SOC CODE:** 49-2022.03

**RAIS CODE:** 0618

## **1 TERM OF APPRENTICESHIP**

The term of apprenticeship shall be 4,800 hours consisting of six (6) periods within approximately 36 months. The first 1,600 hours extending over not more than 12 months, shall be the trial or probationary period.

## **2 RATIO OF APPRENTICES TO JOURNEYWORKERS**

Each employer shall be allowed to ration one first-year apprentice to one apprentice to one Journey-level person on any job or in any shop as shown below:

1 Installer or Technician	1 Apprentice	
1 Installer or Technician	1 Apprentice	1 First Year Apprentice*
2 Installers or Technicians	2 Apprentices	1 First Year Apprentice*
2 Installers or Technicians	2 Apprentices	2 First Year Apprentices*
3 Installers or Technicians	3 Apprentices	2 First Year Apprentices*
3 Installers or Technicians	3 Apprentices	3 First Year Apprentices*

*\*Denotes apprentice in his/her probationary period (1st or 2nd Period).*

The first person on any job shall be a Communications Installer, Technician, or Sound Electrician.

A First Year apprentice, as used above, may be an indentured apprentice in his/her probationary period, or an un-indentured apprentice employed from the pool of qualified applicants.

## **3 APPRENTICE WAGE SCHEDULE – Effective date – November 28, 2006**

1 <sup>st</sup> Period	6 months	45%	\$10.99
2 <sup>nd</sup> Period	6 months	50%	\$12.22
3 <sup>rd</sup> Period	6 months	55%	\$13.44
4 <sup>th</sup> Period	6 months	60%	\$14.66
5 <sup>th</sup> Period	6 months	65%	\$15.88
6 <sup>th</sup> Period	6 months	80%	\$19.54
Installer		100%	\$24.43

- a. Straight time: 8 hours per day and 40 hours per week.
- b. Overtime provision:  
Time worked in excess of eight (8) hours per day and on Saturday will be paid at time and one-half; except any work on Sunday and the holidays listed below shall be paid at double the straight time rate of pay.

New Year's Day	Veterans Day (November 11)
Memorial Day (Last Monday in May)	Thanksgiving Day
Fourth of July	Day After Thanksgiving
Labor Day	Christmas Day

Martin Luther King, Jr. Day (third Monday in January), and Cesar Chavez Day (March 31 or the closest Monday or Friday to March 31) will be non-scheduled work days. If however, it is necessary due to job scheduling, to work on these days, the straight time rate of pay will be applicable.

- c. Fringe Benefits – Effective date – November 28, 2006

	Employer Contribution		Employee Contribution	
1. Pension	\$2.45	*	-	*
2. Health	\$4.10	*	-	*
3. Training Fund	.60	*	-	*
4. Labor/Management	.06	*	.06	*
5. NEBF	3%	*	-	*
6. NEIF (Where applicable)	1%	*	-	*

#### **4 SCHEDULE OF WORK PROCESSES**

The major work processes in which apprentices will be trained (although not necessarily in the order listed) and the approximate hours (not necessarily continuous) to be spent on each are as follows:

- INSTALLATION AND/OR OPERATION** ..... 2,400 Hours
- 1) Public Address System
  - 2) Intercommunication Systems
  - 3) Functional Music Systems
  - 4) Electronic Control Systems
  - 5) Servo-Mechanism Systems
  - 6) Various Types of Wire
  - 7) TV Distribution Systems (MATV)
  - 8) Closed Circuit TV (CCTV)
  - 9) Fire Alarm
  - 10) Security System
  - 11) Telephone System
  - 12) Multi Media
  - 13) Reading, Understanding and Drafting Drawing
  - 14) Microwave

- 15) Radio Frequency
- 16) Fiber Optics

<b>SERVICING .....</b>	<b>1,200 Hours</b>
1) Amplifiers	
2) Speakers	
3) Rectifiers	
4) Trouble Shooting all Equipments	
5) Trouble Shooting Installed Systems	

<b>SHOP WORK AND ASSEMBLY .....</b>	<b>1,200 Hours</b>
1) Bench Assembly	
2) Rack Assembly and Wiring	
3) Tools and Materials	
4) Care and Use of Test Equipment	

**TOTAL HOURS ..... 4,800 Hours**

The employer shall see that all apprentices are under the supervision of a qualified Installer or Technician, and shall provide the necessary diversified experience and training in order to train and develop the apprentice into a skilled worker proficient in all work processes of a Communication System Installer (trade, craft, or occupation) as outlined herein. Apprentices shall also be trained in the use of new equipment, materials and processes as they come into use in the occupation.

**5 SCHEDULE OF RELATED INSTRUCTION**

- A. Each apprentice shall be required to participate in non-compensable related instructions away from the job as specified below.
- B. Topics to be studied (completed) as part of the required NJATC curriculum shall include, but not be limited to:

**FIRST YEAR – 160 HOURS MIN.**

- Blueprint Reading
- Communication Skills
- Electrical Theory
- Electrical Components
- Electrical Test Equipment
- Fiber Optics
- Industry Orientation
- Job Information
- Mathematics
- National Electrical Code
- OSHA/Safety Awareness
- Premises Cabling
- Safety & Health Awareness
- Structured Wiring Systems
- EIA/TIA Standards
- Tool Identification
- Transmission Fundamentals

**SECOND YEAR – 160 HOURS MIN.**

- Blueprint Reading
- Sleeves & Nipples
- Data Systems
- Electrical Theory
- Digital Electronic Circuitry
- Electronic Test Equipment
- Fiber Optics
- Industry Orientation
- Job Information
- Local Area Networks
- National Electrical Code
- Premises Cabling
- Sound System
- Structured Wiring Systems
- Telephony
- Video Distribution

**THIRD YEAR – 160 HOURS MIN.**

- Data Systems – Advanced
- Customer Relations
- Electronic Troubleshooting
- Electronic Test Equipment
- Entertainment Systems
- Environmental Systems
- Fiber Optics
- Grounding and Bonding
- Industry Orientation
- Job Information
- Life Safety Systems
- Local Area Networks
- Low Voltage Systems
- National Electrical Code
- Premises Cabling
- Protocols
- Sound Systems
- Structured Wiring Systems
- Systems Analysis, Repair and Certification
- Telephony – Advanced
- Television Systems
- Video Distribution
- Wide Area Networks

**6 ADVANCEMENT SCHEDULE**

There shall be a minimum of six (6) periods of apprenticeship. The first sixteen hundred (1,600) OJT hours and satisfactory completion of the first year related classroom training shall constitute the probationary period. Successive periods will require the indicated OJT hours and successful completion of related classroom instruction.

The six (6) periods are as follow:

<u>Period</u>	<u>OJT Hours</u>	<u>Related and Supplemental Instruction</u>
1	0 - 800	1 <sup>st</sup> Semester
2	801 - 1600	Successful Completion 2 <sup>nd</sup> Semester
3	1601 - 2400	Successful Completion 3 <sup>rd</sup> Semester
4	2401 - 3200	Successful Completion 4 <sup>th</sup> Semester
5	3201 - 4000	Successful Completion 5 <sup>th</sup> Semester
6	4001 - 4800	Successful Completion 6 <sup>th</sup> Semester Installer