



## SCOPE OF WORK PROVISIONS

FOR

**ELECTRICIAN:**  
COMMUNICATION & SYSTEM INSTALLER  
COMMUNICATION & SYSTEM TECHNICIAN

IN

ALAMEDA, CALAVERAS, CONTRA COSTA, DEL NORTE,  
FRESNO, HUMBOLDT, KINGS, LAKE, MADERA, MARIN,  
MARIPOSA, MENDOCINO, MERCED, MONTEREY, NAPA,  
SAN BENITO, SAN FRANCISCO, SAN JOAQUIN,  
SAN MATEO, SANTA CLARA, SANTA CRUZ, SOLANO,  
SONOMA, STANISLAUS, TULARE AND TOULUMNE COUNTIES

## DEPARTMENT OF INDUSTRIAL RELATIONS

Office of the Director – Research Unit  
455 Golden Gate Avenue, 9<sup>th</sup> Floor  
San Francisco, CA 94102

MAILING ADDRESS:

P. O. Box 420603  
San Francisco, CA 94142-0603



September 1, 2015

## SUMMARY OF IMPORTANT NOTICES CONCERNING BURGLAR ALARM AND FIRE ALARM INSTALLATION

Dear Public Officials/Other Interested Parties:

The Department has issued several important notices between June 27, 2002, and June 29, 2015, specifying the prevailing rate of pay for the installation of burglar and fire alarms. The tables on the following two pages provide a summary of the applicable rates of pay for burglar and fire alarm installation by county as of September 1, 2015. The information in these tables summarizes but **does not** alter the applicable rates of pay issued in the aforementioned important notices.

Please note that minimum rate of pay determinations are issued on a “project-by-project basis.” If you have a public works project in one of the counties listed in the tables that indicates “project-by-project basis,” you may request a minimum rate of pay determination prior to the bid advertisement date of the project by sending a written request to the address below. Each request should include all the relevant documents that would assist the Department in issuing a determination. These documents include but are not limited to the contract, financial documents, plans, specifications, as well as contact information for the Awarding Body.

Please refer to the county determinations to find the rates associated with the craft(s)/classification(s) referenced in the tables. The scope of work for each classification is posted on the Internet at <http://www.dir.ca.gov/oprl/DPreWageDetermination.htm>. This information may also be requested from the Office of the Director – Research Unit by calling (415) 703-4774, by faxing a request to (415) 703-4771 or by writing to:

California Department of Industrial Relations  
Office of the Director – Research Unit  
P.O. Box 420603  
San Francisco, CA 94142

**Table 1: Burglar Alarm Installation**

<b>COUNTY</b>	<b>CRAFT/CLASSIFICATION</b>
Alameda	Project-by-Project Basis
Alpine	Electrician: Inside Wireman
Amador	Electrician: Inside Wireman
Butte	Electrician: Inside Wireman
Calaveras	Project-by-Project Basis
Colusa	Electrician: Inside Wireman
Contra Costa	Electrician: Comm & System Installer
Del Norte	Electrician: Comm & System Installer
El Dorado	Electrician: Inside Wireman
Fresno	Electrician: Comm & System Installer
Glenn	Electrician: Inside Wireman
Humboldt	Electrician: Comm & System Installer
Imperial	Electrician: Sound and Signal Technician
Inyo	Electrician: Comm & System Installer
Kern	Project-by-Project Basis
Kings	Electrician: Comm & System Installer
Lake	Electrician: Comm & System Installer
Lassen	Electrician: Inside Wireman
Los Angeles	Electrician: Comm & System Installer
Madera	Electrician: Comm & System Installer
Marin	Electrician: Comm & System Installer
Mariposa	Electrician: Inside Wireman
Mendocino	Electrician: Comm & System Installer
Merced	Electrician: Inside Wireman
Modoc	Project-by-Project Basis
Mono	Electrician: Comm & System Installer
Monterey	Electrician: Comm & System Installer <sup>a</sup>
Napa	Project-by-Project Basis
Nevada	Electrician: Inside Wireman
Orange	Electrician: Sound Installer
Placer	Electrician: Inside Wireman
Plumas	Electrician: Inside Wireman
Riverside	Project-by-Project Basis
Sacramento	Electrician: Inside Wireman
San Benito	Electrician: Comm & System Installer <sup>a</sup>
San Bernardino	Electrician: Comm & System Installer
San Diego	Electrician: Sound and Signal Technician
San Francisco	Electrician: Comm & System Installer
San Joaquin	Project-by-Project Basis
San Luis Obispo	Electrician: Inside Wireman
San Mateo	Project-by-Project Basis
Santa Barbara	Electrician: Sound Installer
Santa Clara	Electrician: Comm & System Installer
Santa Cruz	Electrician: Comm & System Installer <sup>a</sup>
Shasta	Electrician: Inside Wireman
Sierra	Electrician: Inside Wireman
Siskiyou	Project-by-Project Basis
Solano	Project-by-Project Basis
Sonoma	Electrician: Comm & System Installer
Stanislaus	Electrician: Inside Wireman
Sutter	Electrician: Inside Wireman
Tehama	Electrician: Inside Wireman
Trinity	Electrician: Inside Wireman
Tulare	Electrician: Comm & System Installer
Tuolumne	Electrician: Inside Wireman
Ventura	Electrician: Comm & System Installer
Yolo	Electrician: Inside Wireman
Yuba	Electrician: Inside Wireman

**Notes:** <sup>a</sup> Installation of conduit, boxes, cables, and devices is performed at the Inside Wireman rate, and the final connection and programming is performed at the Communication and System Installer rate.

**Last updated:** September 1, 2015

Table 2: Fire Alarm Installation

COUNTY	CRAFT/CLASSIFICATION
Alameda	Project-by-Project Basis
Alpine	Electrician: Inside Wireman
Amador	Electrician: Inside Wireman
Butte	Electrician: Inside Wireman
Calaveras	Project-by-Project Basis
Colusa	Electrician: Inside Wireman
Contra Costa	Electrician: Comm & System Installer
Del Norte	Electrician: Inside Wireman
El Dorado	Electrician: Inside Wireman
Fresno	Electrician: Inside Wireman <sup>a</sup>
Glenn	Electrician: Inside Wireman
Humboldt	Electrician: Inside Wireman
Imperial	Electrician: Sound and Signal Technician
Inyo	Electrician: Comm & System Installer
Kern	Electrician: Inside Wireman
Kings	Electrician: Inside Wireman <sup>a</sup>
Lake	Electrician: Inside Wireman
Lassen	Electrician: Inside Wireman
Los Angeles	Electrician: Comm & System Installer <sup>c</sup>
Madera	Electrician: Inside Wireman <sup>a</sup>
Marin	Electrician: Inside Wireman
Mariposa	Electrician: Inside Wireman
Mendocino	Electrician: Inside Wireman
Merced	Electrician: Inside Wireman
Modoc	Project-by-Project Basis
Mono	Electrician: Comm & System Installer
Monterey	Electrician: Inside Wireman <sup>b</sup>
Napa	Project-by-Project Basis
Nevada	Electrician: Inside Wireman
Orange	Electrician: Sound Installer
Placer	Electrician: Inside Wireman
Plumas	Electrician: Inside Wireman
Riverside	Electrician: Inside Wireman
Sacramento	Electrician: Inside Wireman
San Benito	Electrician: Inside Wireman <sup>b</sup>
San Bernardino	Electrician: Comm & System Installer
San Diego	Electrician: Sound and Signal Technician
San Francisco	Electrician: Inside Wireman
San Joaquin	Project-by-Project Basis
San Luis Obispo	Electrician: Inside Wireman
San Mateo	Project-by-Project Basis
Santa Barbara	Electrician: Inside Wireman
Santa Clara	Electrician: Comm & System Installer
Santa Cruz	Electrician: Inside Wireman <sup>b</sup>
Shasta	Electrician: Inside Wireman
Sierra	Electrician: Inside Wireman
Siskiyou	Project-by-Project Basis
Solano	Project-by-Project Basis
Sonoma	Electrician: Inside Wireman
Stanislaus	Electrician: Inside Wireman
Sutter	Electrician: Inside Wireman
Tehama	Electrician: Inside Wireman
Trinity	Electrician: Inside Wireman
Tulare	Electrician: Inside Wireman <sup>a</sup>
Tuolumne	Electrician: Inside Wireman
Ventura	Electrician: Inside Wireman
Yolo	Electrician: Inside Wireman
Yuba	Electrician: Inside Wireman

**Notes:**

<sup>a</sup> Conduit installation is performed at the Inside Wireman rate, and the termination, setting of devices, wiring of control panel and system performance checks are performed at the Comm & System Installer rate.

<sup>b</sup> Installation of conduit, boxes, cables, and devices is performed at the Inside Wireman rate, and the final connection and programming is performed at the Comm and System Installer rate.

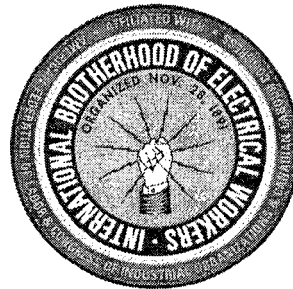
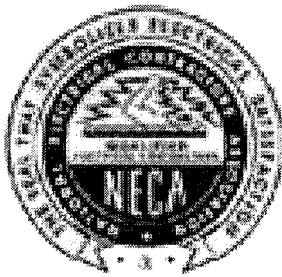
<sup>c</sup> The rates for the craft(s)/classification(s) of Electrician: Sound Electrician also apply.

**Last updated:** September 1, 2015

61-X-7

RECEIVED  
12/17/2014

**9<sup>th</sup> District  
SOUND & COMMUNICATIONS  
AGREEMENT  
NORTHERN CALIFORNIA  
Addendum #2**



**NATIONAL ELECTRICAL CONTRACTORS  
ASSOCIATION  
AND  
INTERNATIONAL BROTHERHOOD  
OF ELECTRICAL WORKERS**

**EFFECTIVE**

**December 1<sup>st</sup>, 2014 – November 30<sup>th</sup>, 2017**

## **SCOPE**

### **(9TH DISTRICT MASTER AGREEMENT)**

**(Refer to Addendum for any regional changes)**

**The work covered by this Addendum may be performed within the geographical jurisdiction of the following Local Unions: 6, 100, 180, 234, 302, 332, 340, 551, 595, 617, and 684.**

The work covered by this Agreement shall include the installation testing, service, and maintenance, of the following systems which utilize the transmission and/or transference of voice, sound, vision and digital for commercial, education, security and entertainment purposes for the following: TV monitoring and surveillance, background-foreground music, intercom and telephone interconnect, inventory control systems, microwave transmission, multi-media, multiplex, nurse call system, radio page, school intercom and sound, burglar alarms and low voltage master clock systems.

**A. SOUND AND VOICE TRANSMISSION/TRANSFERENCE SYSTEMS**

1. Background-foreground music
2. Intercom and telephone interconnect systems
3. Telephone systems
4. Nurse call systems
5. Radio page systems
6. School intercom and sound systems
7. Burglar alarm systems
8. Low-voltage master clock systems
9. Multi-media/multiplex systems
10. Sound and musical entertainment systems
11. RF Systems
12. Antennas and Wave Guide

**B. FIRE ALARM SYSTEMS \***

1. Installation, wire pulling and testing

**C. Television and Video Systems**

1. Television monitoring and surveillance systems
2. Video security systems
3. Video entertainment systems
4. Video educational systems
5. Microwave transmission systems
6. CATV and CCTV

**D. Security Systems**

1. Perimeter security systems
2. Vibration sensor systems
3. Card access systems
4. Access control systems
5. Sonar/Infrared monitoring equipment

E. COMMUNICATION SYSTEMS THAT TRANSMIT OR RECEIVE INFORMATION AND/OR CONTROL SYSTEMS THAT ARE INTRINSIC TO THE ABOVE LISTED SYSTEMS (IN THE SCOPE)

1. SCADA (Supervisory Control and Data Acquisition)
2. PCM (Pulse Code Modulation)
3. Inventory Control Systems
4. Digital Data Systems
5. Broadband and Baseband and Carriers
6. Point of Sale Systems
7. VSAT Data Systems
8. Data Communication Systems
9. RF and Remote Control Systems
10. Fiber Optic Data Systems

F. **This will serve to clarify that the following items are included within the scope of work permitted under this Addendum: J-hooks; Teardrops; Trapezes (ceiling wire with horizontal support – i.e. EMT): Innerduct for VDV on occupied job sites only.**

II. This Agreement specifically excludes the following work:

A. Raceway systems are not covered under the terms of this Agreement (excluding Ladder-Rack for the purpose of the above listed systems). Chases and/or nipples (not to exceed 10 ft.) may be installed on open wiring systems.

For Addendum No. 2 only: Raceway systems on new construction or major renovation projects when an electrical contractor is on site are not covered under the terms of this Addendum except for those listed in Item I(F), above. Chases, sleeves, and/or nipples (not to exceed 10 feet) may be installed on open wiring systems.

B. Energy management systems.

The complete installation of nonintegrated energy management systems, computer systems in industrial applications such as process controls, assembly lines, robotics, and computer-controlled manufacturing systems, and all HVAC control work up to the first point of connection to the multipurpose integrated system if so connected shall not be a part of this Addendum.

C. Life Safety Systems (all buildings having floors located more than 75 feet above the lowest floor level having building access) in the Northern California Addendum No. 2 shall be excluded from this Agreement unless the parties in any area signatory to the Addendum mutually agree that the Sound and Communications portion only of a Life Safety System may be performed under this Agreement. Except in San Francisco, when required by the manufacturers that distribute through authorized dealerships and franchises or required by specification - terminating, programming, testing and start-up may be performed under this Agreement.

D. SCADA (Supervisory Control and Data Acquisition) where not intrinsic to the above listed systems (in the scope).

E. \*Fire alarm systems when installed in raceways (including wire and cable pulling) shall be performed at the equivalent current Inside wage and fringe rate in those areas where the work is historically performed by Inside Journeyman Wiremen when either of the following two (2) conditions apply:

1. The project involves new or major remodel Building Trades construction.
2. The conductors for the fire alarm systems are installed in conduit.

In those areas where fire alarm systems have historically not been performed by Inside Journeyman Wiremen, such work may be performed under this Agreement.

Prior to the effective date of this Agreement, each Local Union/Chapter jurisdiction shall make a determination of who has historically performed fire alarm work in that particular jurisdiction. When there is a mutual agreement by Labor and Management that the work has historically been performed and is currently being performed by Inside Wiremen, then the equivalent Inside wage and fringe benefit rate shall be paid on major remodel and Building Trades projects. In those areas where there is no mutual agreement, the technician's rate shall apply. It shall be the responsibility of each individual Local Union/NECA Chapter jurisdiction to make the results of the local determination available to the International Office of the IBEW and to affected employers prior to the effective date of this Agreement. **(For Work in the City and County of San Francisco Refer to Memorandum of Understanding - Scope of Work.)**

F. The parties to this agreement recognize that the Scope of Work in this agreement is subject to local addendum; especially in the areas of integrated energy management and life safety systems. In an effort to eliminate confusion regarding the interpretation of the Scope of Work covered by this agreement, the parties hereto agree to establish a Scope Review Committee composed of the following:

MANAGEMENT REPRESENTATIVES

2 communication contractors  
2 electrical contractors  
2 NECA Chapter Managers

LABOR REPRESENTATIVES

2 senior technicians  
2 electricians  
2 IBEW Business Managers

Members of the Committee shall be selected by the parties they represent. The Committee shall meet at such times as deemed necessary by the parties. The Committee shall select from its membership, but not both from the same group, a Chairman and a Secretary who shall retain voting privileges.

It shall be the function of the Scope Review Committee to consider and review various system technologies and to make recommendations to the parties to this agreement or addendums. The Scope Review Committee is not authorized to interpret this agreement, or addendums, in the event of a dispute over the Scope of Work. All grievances or questions in dispute shall be adjusted pursuant to Sections 1:06-1:09 of this agreement.

## **SCOPE**

### **(NORTHERN CALIFORNIA ADDENDUM #2)**

The work covered by this Agreement shall include the installation, testing, service, programming and maintenance, of all VDV systems which utilize the transmission and/or transference of voice, sound, vision or digital for commercial, education, security and entertainment purposes for the following: TV monitoring and surveillance, background-foreground music, intercom and telephone interconnect, inventory control systems, microwave transmission, multi-media, multiplex, nurse call system, radio page, school intercom and sound, burglar alarms and low voltage master clock systems. Programming may be performed under the terms of this agreement when qualifications and/or certification(s) are approved by the Contractor.

This agreement specifically includes the following work:

#### **A. SOUND AND VOICE TRANSMISSION/TRANSFERENCE SYSTEMS**

1. Background-foreground music
2. Intercom and telephone interconnect systems
3. Telephone systems
4. Nurse call systems
5. Radio page systems
6. School intercom and sound systems
7. Burglar alarm systems
8. Low-voltage master clock systems
9. Multi-media/multiplex systems
10. Sound and musical entertainment systems
11. RF Systems
12. Antennas and Wave Guide

#### **B. TELEVISION AND VIDEO SYSTEMS**

1. Television monitoring and surveillance systems
2. Video security systems
3. Video entertainment systems
4. Video educational systems
5. Microwave transmission systems
6. CATV and CCTV

#### **C. SECURITY SYSTEMS**

1. Perimeter security systems
2. Vibration sensor systems
3. Card access systems
4. Access control systems
5. Sonar/Infrared monitoring equipment

**D. COMMUNICATION SYSTEMS THAT TRANSMIT OR RECEIVE INFORMATION AND/OR CONTROL SYSTEMS THAT ARE INTRINSIC TO THE ABOVE LISTED SYSTEMS (IN THE SCOPE)**

1. SCADA (Supervisory Control and Data Acquisition)
2. PCM (Pulse Code Modulation)
3. Inventory Control Systems
4. Digital Data Systems
5. Broadband and Baseband and Carriers
6. Point of Sale Systems
7. VSAT Data Systems
8. Data Communication Systems
9. RF and Remote Control Systems
10. Fiber Optic Data Systems

**E. Fire alarm systems when installed in raceways (including wire and cable pulling) shall be performed at the equivalent current Inside wage and fringe rate in those areas where the work is historically performed by Inside Journeyman Wiremen when either of the following two (2) conditions apply:**

1. The project involves new or major remodel Building Trades construction.
2. The conductors for the fire alarm systems are installed in conduit.

**In those areas where fire alarm systems have historically not been performed by Inside Journeyman Wiremen, such work may be performed under this Agreement.**

**Prior to the effective date of this Agreement, each Local Union/Chapter jurisdiction shall make a determination of who has historically performed fire alarm work in that particular jurisdiction. When there is a mutual agreement by Labor and Management that the work has historically been performed and is currently being performed by Inside Wiremen, then the equivalent Inside wage and fringe benefit rate shall be paid on major remodel and Building Trades projects. In those areas where there is no mutual agreement, the technician's rate shall apply. It shall be the responsibility of each individual Local Union/NECA Chapter jurisdiction to make the results of the local determination available to the International Office of the IBEW and to affected employers prior to the effective date of this Agreement. (For Work in the City and County of San Francisco. Refer to Memorandum of Understanding - Scope of Work.)**

**F. VDV SUPPORT SYSTEMS SUCH AS DATA-TRACK, INNERDUCT, OR SIMILAR TYPE RACEWAYS AND LADDER RACK INTENDED SPECIFICALLY FOR THE ABOVE LISTED SYSTEMS.**

**II. This Agreement specifically excludes the following work:**

**A. Raceway systems on new construction or major renovation projects when an electrical contractor is on site are not covered under the terms of this Agreement except for those listed in Item I.F, above. Chases, sleeves and/or nipples (not to exceed 10 ft.) may be installed on open wiring systems.**

**B. The complete installation of non-integrated Energy Management Systems, computer systems in industrial applications such as process controls, assembly lines, robotics, and computer controlled manufacturing systems, and all HVAC control work up to the first point of connection to the multipurpose integrated system if so connected shall not be a part of this Agreement.**

**C. Life Safety Systems (not intrinsic to nurse call systems listed in Item I.A, above) shall be excluded from this Agreement.**

**D. SCADA (Supervisory Control and Data Acquisition) where not intrinsic to the above listed systems (in the scope).**

**Nothing contained in this SCOPE or any other section of this agreement shall prevent, a contractor who is signatory to an Inside Agreement in the jurisdiction of the Site Local Union from performing VDV work under the terms and conditions of that Inside Agreement.**

## **BASIC PRINCIPLES**

The Employer and the Union have a common and sympathetic interest in both the Sound and Communication and Electrical/Electronic Industries. Therefore, a working system and harmonious relations are necessary to improve the relationship between the Employer, the Union and the Public. Progress in industry demands a mutuality of confidence between the Employer and the Union. All will benefit by continuous peace and by adjusting any differences by rational, common sense methods. Now, therefore, in consideration of the mutual promises and agreements herein contained, the parties hereto agree as follows:

## **MEMORANDUM OF UNDERSTANDING - SCOPE OF WORK**

The San Francisco Electrical Contractors Association, Inc. and Local Union 6 of the International Brotherhood of Electrical Workers agree that fire alarm systems as defined on Page 1 of the 9th District Sound & Communications Agreement regarding Scope of Work have historically been performed by Inside Wiremen with the city and County of San Francisco and, therefore, shall be performed, as defined, at the current Inside Wage and Fringe rate. It is further agreed that Life Safety Systems which apply to all buildings having floors located more than 75 feet above the lowest floor level having building access are not fire alarm systems and are not covered by the scope of the 9th District Sound and Communications Agreement. The undersigned agree to review this Memorandum when there is a new Sound and Communication Agreement.

**MEMORANDUM OF UNDERSTANDING  
IN THE SOUND & COMMUNICATIONS, 9<sup>TH</sup> DISTRICT AGREEMENT &  
NORTHERN CALIFORNIA & NORTHERN NEVADA  
ADDENDUM #2 (A, B, C, & D)**

DATE: March 22, 2005

TO: ALL SIGNATORY CONTRACTORS AND LOCAL IBEW UNIONS

FROM: LABOR-MANAGEMENT COMMITTEE OF ADDENDUM #2

SUBJ: SCOPE AND SHIFT LANGUAGE

1. It is understood that the intent of the negotiated language is as follows:
  - a. Contractors at their option can choose between the Scope (9<sup>th</sup> District Master Agreement) or Scope (Northern California/Nevada Addendum #2) Language on a per job basis.
  - b. Contractors at their option can choose between 3:04.I Shift (9<sup>th</sup> District Master Agreement) or 3:04.II Shift (Northern California/Nevada Addendum #2) Language on a per job basis.

Signed for I.B.E.W.:



Bruce P. Courley 3/24/05  
Name Date

Signed for NECA:



Gary R. Walker 3/24/05  
Name Date