SECTION D
APPRENTICE LINEMAN III
(THIRD 2000 HOURS)

OVERVIEW OF TRAINING LEVEL

Goals Of The Third 2000 Hours

The goals of the third 2000 hours are for you to:

- Take on more responsibility for the construction and
- Maintenance of the Utility's distribution system
- Perform work on both secondary and primary voltages on
- Energized lines
- Develop the skills necessary to use most of the equipment utilized by a Lineman

Your Working Conditions

You will continue to work at all times with another qualified Lineman. You will work routinely on
secondary voltages and occasionally on primary voltages on energized lines. You may also be assigned to an On-Call crew with a qualified Lineman.

As an Apprentice Lineman III, you will be expected to work regularly on secondary voltages under the direction of a qualified Lineman.

If you are used for any work off your home system, you shall not be permitted to climb energized poles or structures and shall only perform Lineman II responsibilities. (Groundman--can climb deenergized poles.)

Supervisor

You will work under the direction of the Crew Leader of the crew to which you are assigned for work and training activities. Your Crew Leader is responsible for your personal safety and your training activities.

Length Of Training

You will remain in the Lineman III classification for twelve months. (Exception: Credit for work hours
could possibly be granted based on prior work experience.)

How You Will Progress

At the end of the twelve-month period, the Superintendent will decide if you will be advanced to the next training level--Apprentice IV. Before advancement, you will demonstrate that you have developed the skills and acquired the knowledge expected of an Apprentice 111.

OVERVIEW OF WHAT YOU WILL LEARN

Materials And Equipment

You will be responsible for learning how to:

- Install transformers and reclosers
- Make connections on transformers under the close supervision of a qualified Lineman
- Operate and work from an aerial bucket on energized lines only
- Under the supervision of the Crew Leader
- Properly operate and maintain all types of vehicles used in line work

Safety Practices And Training

You will gain continued skill in the:

- Use of safe practices in all line work
- Use of all protective equipment

Electrical Theory

You will receive advanced training in electrical theory such that you will understand:

- Transformers
- Transformer bank connections
- Substations and underground distribution systems

Records, Reports, And Related Information

During this training period, you will become familiar with:

- Important provisions of construction specifications for three phase line construction and maintenance
- Electrical codes which apply to the work of the distribution system

You will become competent in:

- Reading and following system maps
- Preparing and maintaining all necessary transformer and meter records

JOB COMPETENCY/DEMONSTRATION FORM
(Third 2000 Hours)

_____ (Name of apprentice) **is competent in or has demonstrated the ability to, or understanding of:**	**Approving supervisor's signature and date**
Install a set of double arms in the buck arm position with the main line energized	
Take ampere readings on a 12 KV line using tong amp meter	
Reading scales of several different types of meters	
Install lightning arrester and cut out on a distribution system	
Use a sag chart; check the sag in a single phase line	
Properly obtain clearance to remove grounds	
Properly discharge a capacitor before removing it from a pole	
Install a single-phase recloser	
Obtain clearance and properly install protective grounds on a three-phase line that has been taken out of service	
Follow proper grounding procedures when splicing a conductor on the ground	
Identify the following types of transformers: • Power • Distribution • Potential • Current • Self-protecting	
Make the proper connections on a three phase bank (types that each cooperative installs)	
Operate distribution protection equipment (i.e., cutouts, single and three-phase breakers)	
The proper makeup of terminators, elbows, splices (bath primary & secondary) and transformers (both single and three phase)	
The proper procedure for rubber cover-ups on energized lines	
Adult CPR (re-certified)	
Inspect, set up, and operate a Bucket truck	
Safety Manual procedures	
Properly inspect and use rubber cover-up	
Change out various line equipment (poles, x-arms, transformers, etc.) using bucket truck on an energized line	
Trouble shoot on both overhead and underground lines	