



LETTER AGREEMENT NO. R1-01-38-PGE



PACIFIC GAS AND ELECTRIC COMPANY
INDUSTRIAL RELATIONS DEPARTMENT
2850 SHADELANDS DRIVE, SUITE 100
WALNUT CREEK, CALIFORNIA 94598
(925) 974-4104

INTERNATIONAL BROTHERHOOD OF
ELECTRICAL WORKERS, AFL-CIO
LOCAL UNION 1245, I.B.E.W.
P.O. BOX 4790
WALNUT CREEK, CALIFORNIA 94596
925-933-6060

STEPHEN A. RAYBURN, DIRECTOR
AND CHIEF NEGOTIATOR

PERRY ZIMMERMAN, BUSINESS MANAGER

August 20, 2001

Local Union No. 1245
International Brotherhood of
Electrical Workers, AFL-CIO
P.O.Box 4790
Walnut Creek, CA 94598

Attention: Mr. Perry Zimmerman, Business Manager

Dear Mr. Zimmerman:

A Joint Company-Union Sub-Committee has reviewed existing language in Letter of Agreement 84-40 and recommended that the training requirements for Station Mechanics desiring to become Substation Electricians be revised.

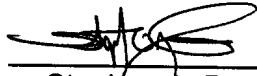
The Sub-committee, established through the Joint Apprenticeship and Training Committee, recommends that Letter Agreement 84-40, Item III be revised as follows:

- III. Reclassification to Substation Electrician is initiated by the Station Mechanic submitting a written request through the First-Line Supervisor for the Superintendent's approval. The Station Mechanic must have been at the top step mechanic for two years and passed the Arithmetic Computation Test (ACT). Providing the request is approved, the Station Mechanic shall complete the following performance-based training modules and wage progression test (WPT) modules from the Substation Apprentice Electrician training program. All modules must be completed in accordance with the Substation Apprentice Electrician guidelines within two years. All modules shall be completed before reclassification is final or payment of the Substation Electrician wage rate.

If you are in accord with the foregoing and agree thereto, please so indicate in the space provided below and return one executed copy of this letter to the Company.

Very truly yours,

PACIFIC GAS & ELECTRIC COMPANY

By: 

Stephen A. Rayburn
Director and Chief Negotiator

The Union is in accord with the foregoing and agrees thereto as of the date hereof.

LOCAL UNION NO. 1245, INTERNATIONAL
BROTHERHOOD OF ELECTRICAL WORKERS, AFL-CIO

Sept 20, 2001

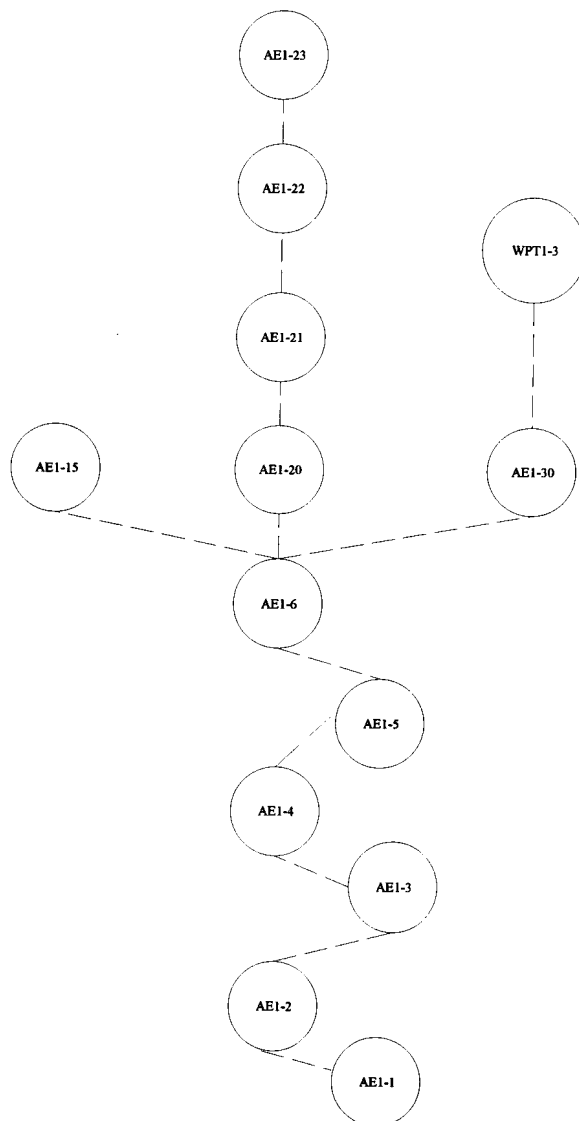
By: 

Perry Zimmerman

Step 1 Training & WPT Modules

AE1-1	Basic Concepts, Electrical Quantities and Units
AE1-2	Basic Circuits, Laws and Measurements
AE1-3	Circuit Components
AE1-4	Multiple-Load Circuits
AE1-5	Analog and Digital Multimeters
AE1-6	Megger Operation
AE1-15	Power Extension Cords
AE1-20	Oil Sampling
AE1-21	GE Oil Dielectric Test (ASTM D-877)
AE1-22	Foster Oil Dielectric Test (ASTM D-1816)
AE1-23	Oil Filtering
AE1-30	Dew Point Meter Assembly and Use
WPT1-3	Dew Point Test a Nitrogen Bottle

Step 1 Map



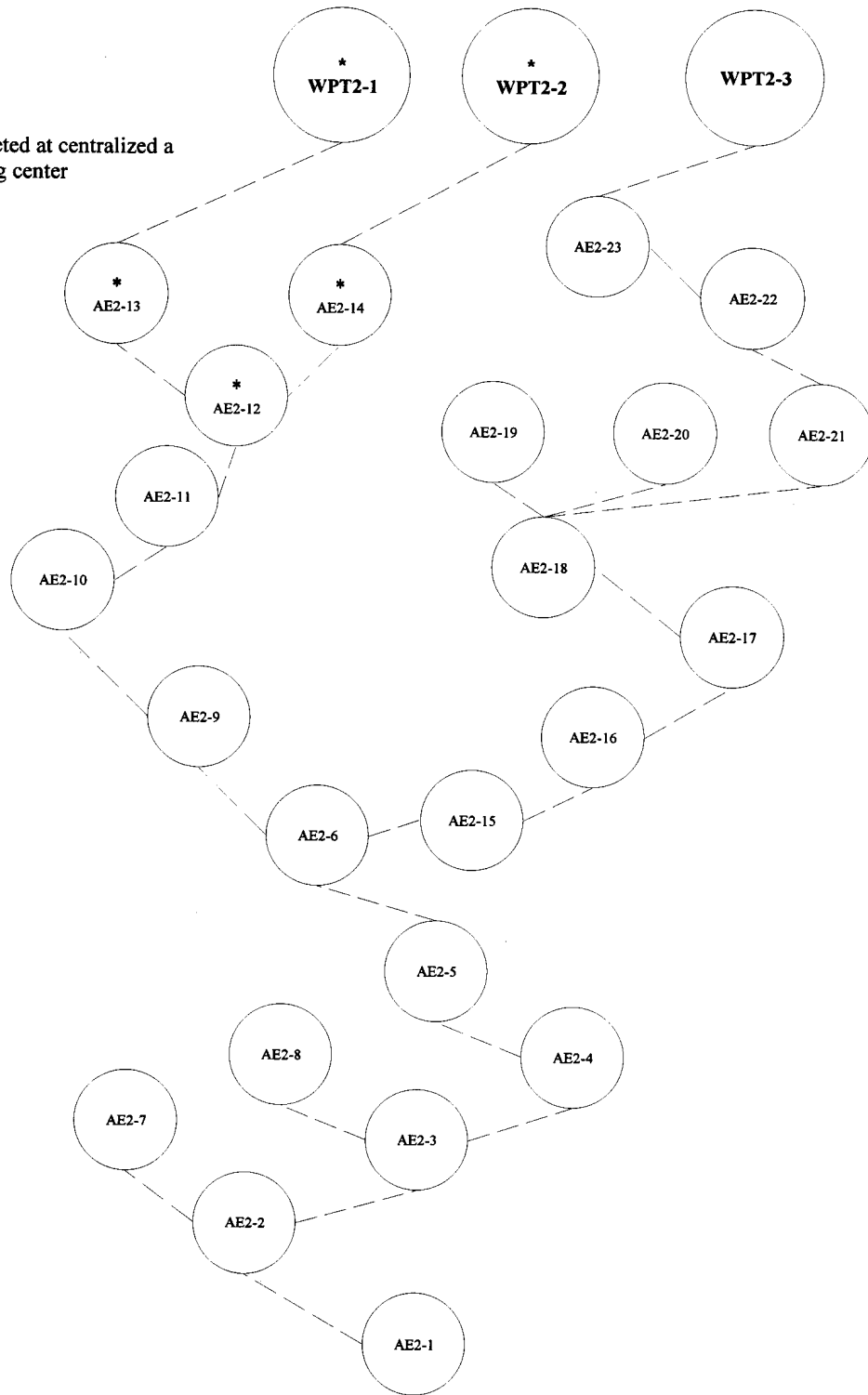
Step 1 Map

Step 2 Training & WPT Modules

AE2-1	Magnetism and Electromagnetism
AE2-2	Alternating Current and Voltage
AE2-3	Power in AC Circuits
AE2-4	Capacitance
AE2-5	Inductance
AE2-6	Transformers
AE2-7	Use a AC Clamp-on Ammeter
AE2-8	Use a Phase Sequence Indicator
AE2-9	Electrical Devices
AE2-10	Electrical Symbols
AE2-11	Wire Numbering System
AE2-12*	Schematic Drawing Interpretation
AE2-13*	Wiring From Schematics
AE2-14*	Electrical Troubleshooting
AE2-15	Substation Power Transformer Construction
AE2-16	Substation Power Transformer Connections
AE2-17	Substation Power Transformer Nameplate
AE2-18	Substation Power Transformer Accessories and Support Equipment
AE2-19	Transformer Insulation Resistance Test
AE2-20	Perform a DGA Sample
AE2-21	Operate a Transformer Turns Ratio Test Set
AE2-22	Perform a Transformer Polarity Test
AE2-23	Perform a Transformer Turns Ratio (TTR) Test
WPT2-1*	Wiring from Schematics
WPT2-2*	Schematic Interpretation and Troubleshooting
WPT2-3	TTR Test Transformer No-Load Tap Positions

Step 2 Map

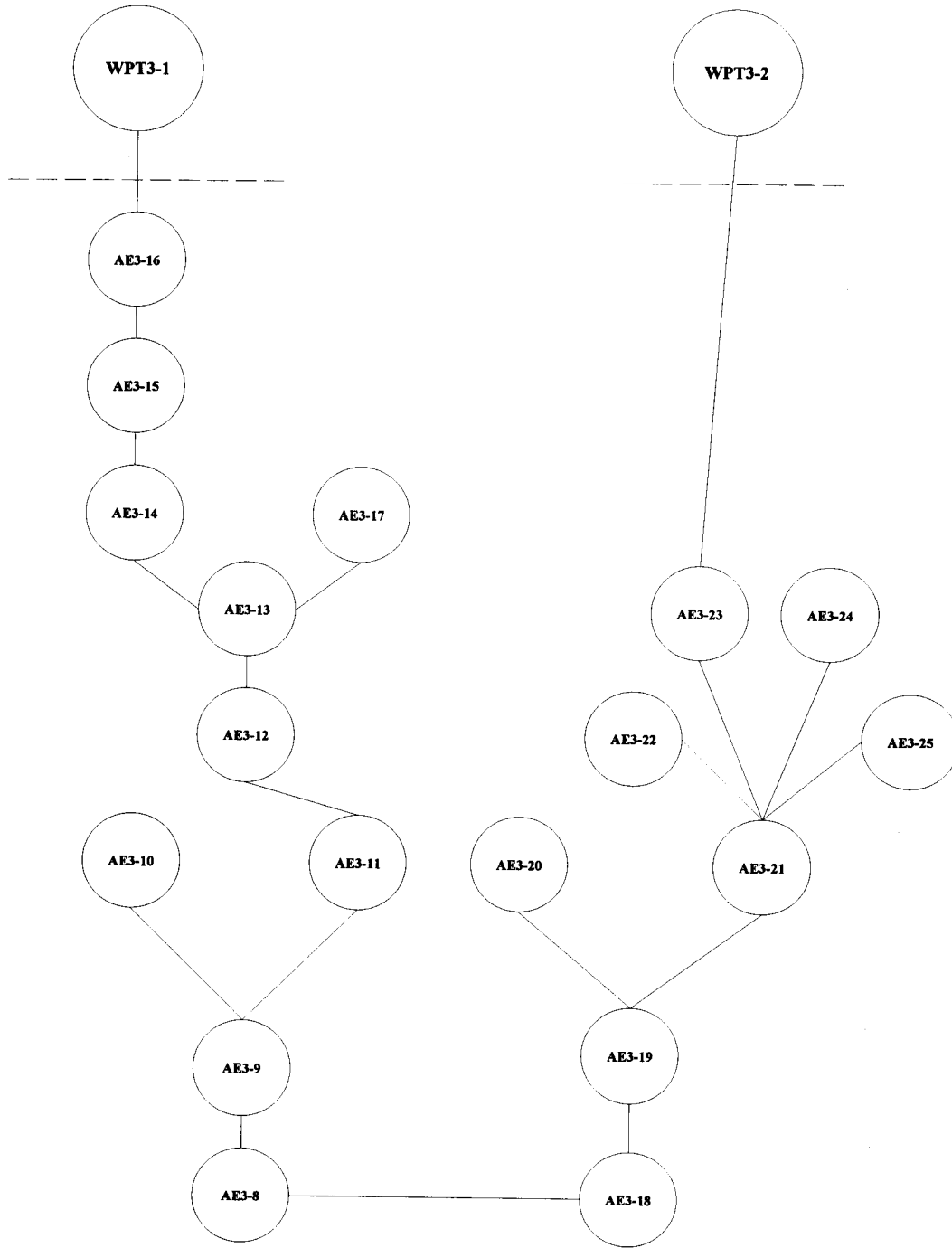
* completed at centralized a training center



Step 3 Training & WPT Modules

AE3-8	Diodes
AE3-9	DC Power Supplies
AE3-10	Transducers
AE3-11	Printed Circuit Board Construction and Repair
AE3-12	Battery Purpose, Types and Safety
AE3-13	Battery Charger Purpose and Operation
AE3-14	Battery Installation and Replacement
AE3-15	Battery Monthly Maintenance
AE3-16	Battery Quarterly Maintenance
AE3-17	Cell Replacement
AE3-18	Overview of Power Circuit Breakers
AE3-19	Overview of Power Circuit Breaker Mechanisms
AE3-20	Power Circuit Breakers Lubricants
AE3-21	Overview Power Circuit Breaker Diagnostics
AE3-22	Micro-Ohm Testing
AE3-23	Megger Testing
AE3-24	Breaker Time Analysis
AE3-25	Highpot Testing Vacuum Bottles
WPT3-1	Battery Maintenance
WPT3-2	Power Circuit Breaker Diagnostics

Step 3 Map



Steps 4 & 5 Training & WPT Modules

AE4-3	Circuit Switcher Inspection & Diagnostic Tests
AE4-4	Energized Switchboard Procedures
AE4-7	Computer Basics
AE4-8	Voltage Regulation Principles
AE4-9,	Load Tap Changer Principles
AE4-10	Types of LTC Construction
AE4-11	LTC Operation
AE5-1	Potential Devices Purpose and Operation
AE5-2	Current Transformer Purpose and Operation
AE5-3	Current Transformer Testing
AE5-4,	Test Supply Set-ups and Use
AE5-5	Metering Purpose and Operation
AE5-6	Volt Meter Calibration
AE5-7	Amp Meter Calibration
AE5-8	Relay Purpose and Operation
AE5-9	Reclosing Relay Testing
AE5-10	Auxiliary Relay Testing
AE5-11	Overcurrent Relay Testing
WPT4-2	LTC Construction and Operation
WPT5-1	Amp / Volt Meter Calibration
WPT5-2	Overcurrent Relay Testing

Steps 4 & 5 Map

