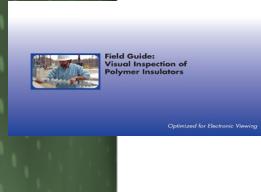


# Transmission and Substations Field Guides

A list of EPRI field guides to aid utility work crews in interpreting the observed conditions of Transmission and Substation assets.



## P35 – Overhead Transmission

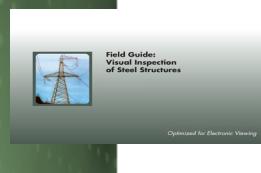


### Visual Inspection of Polymer Insulators

Tim Shaw

tshaw@epri.com

3002032699



### Visual Inspection of Steel Structures

Neal Murray

nmurray@epri.com

3002032701

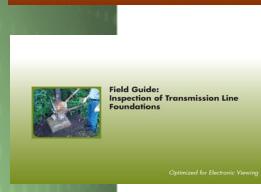


### Visual Inspection of Wood Structures

Neal Murray

nmurray@epri.com

3002032702



### Inspection of Transmission Line Foundations

Neal Murray

nmurray@epri.com

3002032696

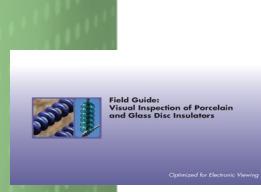


### Inspection, Maintenance, and Troubleshooting of Sacrificial Anode Cathodic Protection Systems for Transmission Line Structures

Neal Murray

nmurray@epri.com

3002007677



### Visual Inspection of Porcelain and Glass Disc Insulators

Tim Shaw

tshaw@epri.com

3002032700

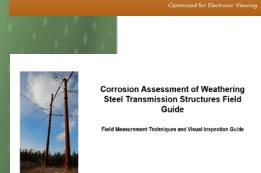


### Visual Inspection of Avian Issues on Transmission and Distribution Structures

Tim Shaw

tshaw@epri.com

3002032698



### Corrosion Assessment of Weathering Steel Transmission Structures

Neal Murray

nmurray@epri.com

3002025667



### Corona Rings for Polymer Insulators

Tim Shaw

tshaw@epri.com

3002032694

## P35 – Overhead Transmission *continued*

### Tier 1, Above and Below Grade Corrosion Assessment of Weathering Steel Transmission Structures



Field Guide: Tier 1, Above-  
and Below-Grade Corrosion  
Assessment of Weathering Steel  
Transmission Structures

Neal Murray

nmurray@epri.com

3002029465

### Inspection of Transmission Line Grounding Systems



Field Guide:  
Inspection of Transmission Line  
Grounding Systems

Tim Shaw

tshaw@epri.com

3002032697

### Inspection of Conductors for Overhead Transmission Lines



Field Guide:  
Inspection of Conductors for  
Overhead Transmission Lines

Gary Sibilant

gsibilant@epri.com

3002032695

### Construction and Inspection of Compression Connectors for Overhead Transmission Lines



Field Guide:  
Construction and Inspection of  
Compression Connectors for  
Overhead Transmission Lines

Gary Sibilant

gsibilant@epri.com

3002032693

### Daytime Discharge Inspection of Transmission and Distribution Overhead Lines and Substations Guide with Video Product



Field Guide:  
Daytime Discharge  
Inspection of Transmission  
and Distribution Overhead  
Lines and Substations  
Guide with Video

Tim Shaw

tshaw@epri.com

3002030196

### Transmission Line Aerial Marking & Lightning



Field Guide:  
Transmission Line Aerial  
Marking and Lightning

Pierre Marais

jmarais@epri.com

3002030189

### Live Working Rope



Field Guide:  
Live Working Rope

Gary Sibilant

gsibilant@epri.com

3002030210

## P37 – Substations

### Lubrication of High-Voltage Circuit Breakers (HVCBs)



Field Guide:  
Lubrication of  
High-Voltage Circuit Breakers

Bhavin Desai

bdesai@epri.com

3002025468

## P37 – Substations *continued*



### Compressors for High-Voltage Circuit Breakers

Bhavin Desai

bdesai@epri.com

3002010228



### Did That Transformer Really Fail?

Bhavin Desai

bdesai@epri.com

1024553

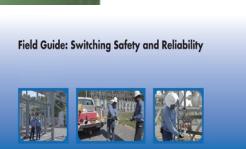


### Smart Ground Meter

Erika Willis

ewillis@epri.com

1024555

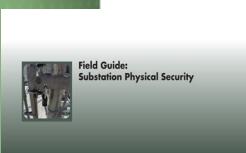


### Field Guide for Switching Personnel: EPRI Switching Safety and Reliability

Robert Haromszki

rharomszki@epri.com

3002032934



### Substations Physical Security

Erika Willis

ewillis@epri.com

3002015698



Download on the  
App Store

Access to the mobile field guide app can be found by scanning the QR codes.



GET IT ON  
Google Play