



Certificate of Completion

This certifies that

Suhaib Abugdera

has successfully completed 0.50 hours of training in

Transmission Line Design Series - (Sec 1) Introduction to Overhead Transmission Line Design

on this date 8/29/2025



Certificate of Completion

This certifies that

Suhaib Abugdera

has successfully completed 0.50 hours of training in

Transmission Line Design Series - (Sec 2) Conductors and Shield Wires

on this date 8/29/2025



Certificate of Completion

This certifies that

Suhaib Abugdera

has successfully completed 0.75 hours of training in

Transmission Line Design Series - (Sec 3) Electrical Characteristics

on this date 8/29/2025



Certificate of Completion

This certifies that

Suhaib Abugdera

has successfully completed 0.50 hours of training in

Transmission Line Design Series - (Sec 4) Wire Motion

on this date 8/30/2025



Certificate of Completion

This certifies that

Suhaib Abugdera

has successfully completed 0.50 hours of training in

Transmission Line Design Series - (Sec 5) Hardware

on this date 8/31/2025



Certificate of Completion

This certifies that

Suhaib Abugdera

has successfully completed 0.50 hours of training in

Transmission Line Design Series - (Sec 5) Insulators

on this date 8/30/2025



Certificate of Completion

This certifies that

Suhaib Abugdera

has successfully completed 0.50 hours of training in

Transmission Line Design Series - (Sec 6) Right of Way Width

on this date 8/31/2025



Certificate of Completion

This certifies that

Suhaib Abugdera

has successfully completed 0.75 hours of training in

Transmission Line Design Series - (Sec 7) Clearances II; Rules 231, 232, and 233

on this date 9/1/2025



Certificate of Completion

This certifies that

Suhaib Abugdera

has successfully completed 1.00 hours of training in

Transmission Line Design Series ? (Sec 7) Clearances: Rules 234, 235, 236, and 237

on this date 8/31/2025



Certificate of Completion

This certifies that

Suhaib Abugdera

has successfully completed 0.25 hours of training in

Transmission Line Design Series - (Sec 7) Introduction to Transmission Line Clearances

on this date 8/31/2025



Certificate of Completion

This certifies that

Suhaib Abugdera

has successfully completed 0.50 hours of training in

Transmission Line Design Series ? (Sec 8) Mechanical Loading & Structure Strength
Requirements

on this date 9/1/2025



Certificate of Completion

This certifies that

Suhaib Abugdera

has successfully completed 1.00 hours of training in

Transmission Line Design Series - (Sec 10) Wire Sag and Tension

on this date 9/1/2025



Certificate of Completion

This certifies that

Suhaib Abugdera

has successfully completed 0.50 hours of training in

Transmission Line Design Series - (Sec 11) Introduction to Structures

on this date 9/1/2025



Certificate of Completion

This certifies that

Suhaib Abugdera

has successfully completed 2.00 hours of training in

Transmission Line Design Series ? (Sec 13) Construction

on this date 9/1/2025



Certificate of Completion

This certifies that

Suhaib Abugdera

has successfully completed 1.50 hours of training in

Transmission Line Design Series ? Typical Project Development and Execution

on this date 9/2/2025