



TIRE INDUSTRY ASSOCIATION

# Virtual Certified CTS Instructor 400 Level Training

This exciting new training offering uses video conference technology to conduct the Certified 400-Level Commercial Tire Service (CTS) program with a TIA staff instructor.

Live training, via Zoom, is combined with videos and images from the Certified CTS program to create a virtual environment where a TIA staff instructor leads the discussion and is available to answer any questions.

The Virtual Certified CTS Instructor class is a 3.5-day class, broken up into 2 sessions each day. Beginning on Tuesday, each day consists of two sessions from 10-1 and 2-5 EST, with the exam given in the early session on Friday.

## The 18 Modules that make up the Certified CTS Program:

**Module 1: Introduction.** Addresses the Occupational Safety and Health Administration (OSHA) requirements for Personal Protective Equipment (PPE) and provides information related to workplace safety, proper lifting procedures, heat stroke and hypothermia.

**Module 2: Tires.** Covers tire construction, sizing and nomenclature, inflation pressure, load capacity and other sidewall information. Application-specific tread designs and rubber compounds are also covered along with other industry guidelines.

**Module 3: Rims, Wheels & Hubs.** Outlines the difference between rims and wheels including the nomenclature for both assemblies. It also defines offset on standard truck wheels/rims as well as outset and inset for wide base wheels.

**Module 4: OSHA Regulations.** Includes OSHA Regulation 29 CFR 1910.177 in addition to the OSHA Demount/Mount and Rim Matching Charts.

**Module 5: Road Service Safety.** Covers the various aspects of emergency road service including vehicle inspection, driver safety, jobsite assessment, and roadside service procedures.

**Module 6: Jacking & Lifting, Lock-Out/Tag-Out.** Outlines the basic safety guidelines and procedures for lock-out tag-out as well as jacking, lifting and supporting trucks, tractors and trailers.

**Module 7: Wheel End Safety.** Describes the procedures and potential hazards when inspecting wheel ends as part of regular tire maintenance including wheel-off prevention.

**Module 8: RIST.** Defines each step of the RIST procedure and how they relate to bolt tension and clamping force when installing rims and wheels.

**Module 9: Hub-Pilot Service.** Covers the step-by-step service and maintenance procedures for hub-pilot wheel removal, inspection and installation.

**Module 10: Stud-Pilot Service.** Covers the step-by-step service and maintenance procedures for stud-pilot wheel removal, inspection and installation.

**Module 11: Demountable Rim Service.** Covers the step-by-step service and maintenance procedures for demountable rim removal, inspection and installation.

**Module 12: Single Piece Demount & Mount.** Describes the procedures and guidelines for demounting and mounting tubeless tires on single-piece rims with valve stem and band-mounted TPMS sensors.

**Module 13: Single Piece Inflation.** Defines the OSHA regulations for inflating single piece assemblies and the inspection procedures for identifying potential zipper ruptures or heat-damaged rims.

**Module 14: Multi-Piece Demount & Mount.** Describes the demounting and mounting procedures for 2-piece and 3-piece truck tire and rim assemblies.

**Module 15: Multi-Piece Inflation.** Defines the OSHA regulations for inflating multi-piece assemblies.

**Module 16: Balance & Run-Out.** Describes the principles of static and dynamic balance as well as lateral and radial run-out and the steps that technicians can take to minimize ride disturbances.

**Module 17: Repair.** Dedicated to the step-by-step procedures and industry guidelines for installing two-piece puncture repairs and reinforced shoulder repairs in tubeless radial truck tires.

**Module 18: Charts & Tables.** Covers the load/inflation and tire dimension charts from the Tire and Rim Association.

Other references in Certified CTS include:

- RMA Care and Service of Truck Tires
- TIA Tire Facts Card
- TMC User's Guide to Wheels and Rims



1532 Pointer Ridge Place, Suite G, Bowie, MD  
800.876.8372 • 301.430.7283 f

[www.tireindustry.org/training](http://www.tireindustry.org/training)

# TIA VIRTUAL CERTIFIED CTS INSTRUCTOR 400 LEVEL TRAINING



## WAYS TO REGISTER

### MAIL

Tire Industry Association  
1532 Pointer Ridge Place, Suite G  
Bowie, MD 20716-1883

### PHONE

301.430.7280  
800.876.8372

### FAX

301.430.7283

### EMAIL

training@tireindustry.org

### WEBSITE

www.tireindustry.org  
*Click on Training*

## REGISTRATION INFO (TIA will ship Manuals/Exams to this address)

Name \_\_\_\_\_

Company \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Country (if other than U.S.) \_\_\_\_\_

Phone \_\_\_\_\_ E-mail \_\_\_\_\_

## CLASS TUITION & SCHEDULE

Tuition: **\$950**

**Jan. 26-29** (10-1 and 2-5 EST each day; Friday ends at 1:00)

## V. METHOD OF PAYMENT

Check (Make payable to TIA)       Invoice me. My company's PO authorization number for this transaction is \_\_\_\_\_

VISA       MasterCard       AMEX

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