

## Boom Truck Operator “A” and “B” – Online Upgrading A Guide to Course Content

*Boom Truck “A” Operators operate many types of Boom Truck cranes over 15.5 tons. Boom Truck Operator “A” proficiency certificate holders are certified to operate Boom Truck “B”. Boom Truck Operator “A” is considered a subtrade of the Mobile Crane Operator trade.*

*Boom Truck “B” Operators operate many types of Boom Truck cranes up to 15.5 tons. Boom Truck Operator “B” is considered a subtrade of the Mobile Crane Operator trade*

**Training Requirements:** All candidates applying for upgrading training must be eligible to challenge the proficiency examination.

This program is designed to prepare individuals to challenge the Boom Truck Operator “A” or “B” proficiency examination.

As there is no practical component to the upgrading training program, additional study is recommended in areas where individuals have minimal on-the-job experience.

### **Important Notes:**

This program uses continuous enrollment so candidates may begin at any time. Participants will have a maximum of four months to complete the entire course.

Computers used by participants for this program must meet certain minimum technical requirements. This information will be provided upon successful application to this program.

Interested candidates must contact SATCC, not WTTI, when applying for this program.

The information contained in this pamphlet serves as a guide for employers and apprentices.

The pamphlet briefly summarizes the training delivered in the upgrading program. The content of the technical training components is subject to change without notice.

## **Pre-operational Checks, Inspections and Maintenance**

- Engines and Drive Systems
- Mechanical Systems
- Hydraulic Systems
- Continual Checks

## **Boom Truck Set-up**

- Crane setup
- Assembly and Disassembly
- Transportation
- Pre-lift Planning
- Worksite Preparation

## **Safety/Tools and Equipment**

- Safety
- Communications for Hoisting
- High Voltage Electrical Fundamentals
- Trade Related Documents
- Tools and Equipment
- Fasteners and Retaining Devices

## **Rigging**

- Wire Rope
- Rigging Hardware
- Rigging and Hoisting
- Sling Configurations
- Multi-crane lifts

## **Load Weight Calculations**

- Load Weight Calculations

## **Load Charts**

- Load Charts

## **Boom Truck Operations**

- Lifting Theory and Forces
- Introduction to Crane Operations
- Introduction to Computerized Operational Aids
- Job Planning
- Introduction to Boom Trucks
- Boom truck operation
- Specialty Crane Operations



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