PRE-DEPARTURE INSPECTION (CFR 215, 238)

JOB AID - VIRTUAL INTERACTIVE GUIDE (VIG)

BACKGROUND & PROBLEM

At each location where rail cars are added to a train (which have not been inspected at that point), the cars must be inspected by the train crew for defective equipment and other safety concerns. This inspection is a fundamental part of a railroad's initial training for Conductors and rail car Mechanics. This inspection and testing, known as a Pre-Departure Inspection (CFR 215, 238), requires Railroads to have multiple rail cars on-site and allocate a significant amount of training time for demonstration and practice.

SOLUTION OVERVIEW

To make procedural knowledge readily available in classroom training and in the field, Railroads can deploy a Virtual Interactive Guide (VIG) covering the inspection process. The VIG guides workforce through steps of the Pre-Departure Inspection with individual steps in both text and 3D animation. Ability to replay, move forward/back, search and jump to steps. Necessary safety and technical information is displayed.
Used for: Classroom Training, Self-paced refresher, Job Aid (Field) tool.

FEATURES

Inspection Items include: Brake Rigging, leaning/listing/sagging carbody, objects dragging under or extending from cars, insecure coupling, wheel defects, hand brakes, and safety appliances.
Car types: Gondola, Flat, Box, Tanker, Hopper, Well/Intermodal.
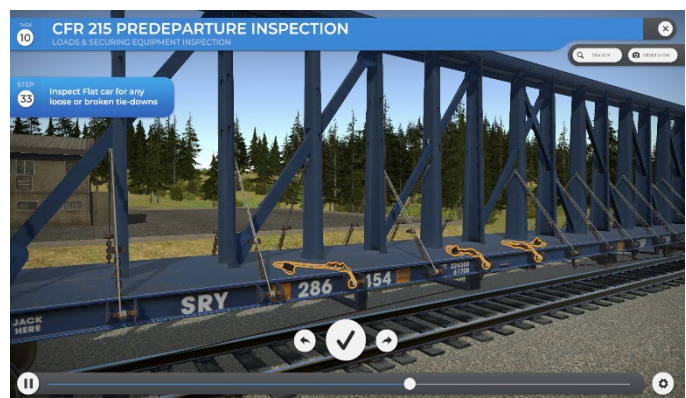*Avalable on PC, Mac, iOS, Android*

BENEFITS

1. Improved knowledge of rail car components and functions and Increased efficiency when performing the Pre-Departure Inspection.
2. Reduced need for live equipment (Locomotives/rail cars allocated for training).
3. Readily available refresher training tool.

WHAT TO EXPECT

After using the VIG, employees should be able to:
• Identify & measure defective rail car components
• Inspect wheels/trucks for defects
• Determine if equipment is securely coupled and if hand brakes are applied or released
• Identify safety hazards on rail cars
• Understand the steps of a Pre-Departure Inspection.

Want the same results for your workforce? License this VIG for immediate deployment or discuss a custom requirement — solutions@hwd3d.com or call 888.781.0274 ext. 701.