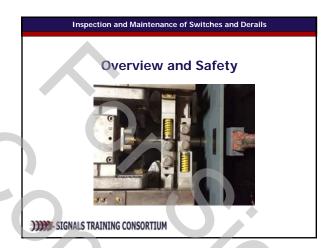
Course 202: Inspection and Maintenance of Switches and Derails Module 1: Overview and Safety



Riders Depend on Us Participating Locations Agency Union Amtrak BRS BART SEIU 1021 CATS CATS CMTA GCRTA ATU 268 LACMTA ATU 1277 LIRR BRS MBTA IBEW 103 Metra BRS Metro North ACRE MetroTransit ATU 1005 NFTA ATU 1005 NFTA ATU 1005 NFTA ATU 1342 NJTransit BEW 265 SacRT IBEW 1245 San Diego MTS IBEW 265 SEPTA TWU 234 Trimet ATU 1757

Inspection and Maintenance of Switches and Derails

Outline

- Identify trip, slip and fall hazards related to inspection and maintenance of switches and derails
- Identify pinch points related to inspection and maintenance of switches and derails
- · Describe how to manually throw a switch
- Demonstrate ability to utilize secondary protection in order to stop switch from being thrown

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Inspection and Maintenance of Switches and Derails Outline · Describe procedures for working in electrified territory Identify proper PPE to be used during inspection and maintenance of switches and derails · Identify and describe tools specific to inspection and maintenance of switches and derails · List Tests Mandated by the FRA List pertinent timing for each test (monthly, quarterly, etc) as per your authority • Demonstrate ability to complete proper documentation SIGNALS TRAINING CONSORTIUM Inspection and Maintenance of Switches and Derails **Key Terms** Activity: In your course book, circle any key terms you feel you need to learn better. Example: Obstruction Test SIGNALS TRAINING CONSORTIUM Inspection and Maintenance of Switches and Derails Recall Thinking back to previous knowledge or course work, what do you already know about safe inspection and maintenance for switches? SIGNALS TRAINING CONSORTIUM

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Inspection and Maintenance of Switches and Derails

Safety in Electrified Territory

- Perform Lockout/Tagout
- · Discharge capacitors
- · Contact proper authority when needed
- · Use tools with proper insulation
- If power cannot be removed
 - Keeping a pre-determined clearance
 - Wrapping the third rail

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Inspection and Maintenance of Switches and Derails

Safety in Electrified Territory



The third rail must be considered energized (LIVE) at all times. The cover board over the third rail MUST NEVER be used as a walkway, step or a ledge on which to place tools or other items.

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