

# Train Signaling System Maintenance & Inspection Checklist

 Show only Checklist

Display Style  
Default 

## Track Circuit Integrity

Verification of track circuit functionality and connection integrity.

**Track Resistance (Ohms)**

Enter a number...

**Voltage Drop (Volts)**

Enter a number...



### Track Circuit Condition

- Nominal
- Slightly High
- High
- Open

### Time of Test

Enter time...

### Observations/Notes

Write something...

### Date of Test

Enter date...

## Signal Aspect Verification

Confirmation of correct signal aspect display and illumination.

### Aspect Intensity (Lumens)

Enter a number...

### Aspect Color Accuracy

- Correct
- Slight Deviation
- Significant Deviation

### Aspect Sequence Correctness

- Yes
- No

### Last Aspect Calibration Date

Enter date...

### Time of Inspection

Enter time...

### Signal Voltage (Volts)

Enter a number...

### Aspect Clarity

- Excellent
- Good
- Fair
- Poor

## Block Equipment Functionality

Testing of block signaling equipment, including interlocking systems.

### Interlocking Sequence Count

Enter a number...

### Block Status - Normal Operation?

Yes

No

N/A

### Last Block Equipment Reset Time

Enter time...

### Detailed Observation Notes (e.g., unusual behavior)

Write something...

### Track Occupancy Sensor Reading

Enter a number...

### Train Detection System Functional?

- Yes
- No
- Partial

### Date of last comprehensive test

Enter date...

## Relay and Logic Testing

Assessment of relay operation, logic circuits, and control system performance.

### Relay Contact Resistance (Ohms)

Enter a number...

### Logic Circuit Supply Voltage (V)

Enter a number...

### Relay Operation (Pass/Fail)

- Pass
- Fail

### Detailed Observations/Notes

Write something...

### Logic Circuit Function (Pass/Fail)

Pass

Fail

### Date of Logic Circuit Test

Enter date...

### Time of Logic Circuit Test

Enter time...

### Logic Circuit Voltage Drop (mV)

Enter a number...

## Signal Cable Inspection

Examination of signal cables for damage, corrosion, and proper insulation.

### Cable Length (meters)

Enter a number...

### Cable Type

- Coaxial
- Fiber Optic
- Multi-Pair
- Other

### Cable Insulation Condition

- Excellent
- Good
- Fair
- Poor

### Detailed Description of Cable Condition

Write something...

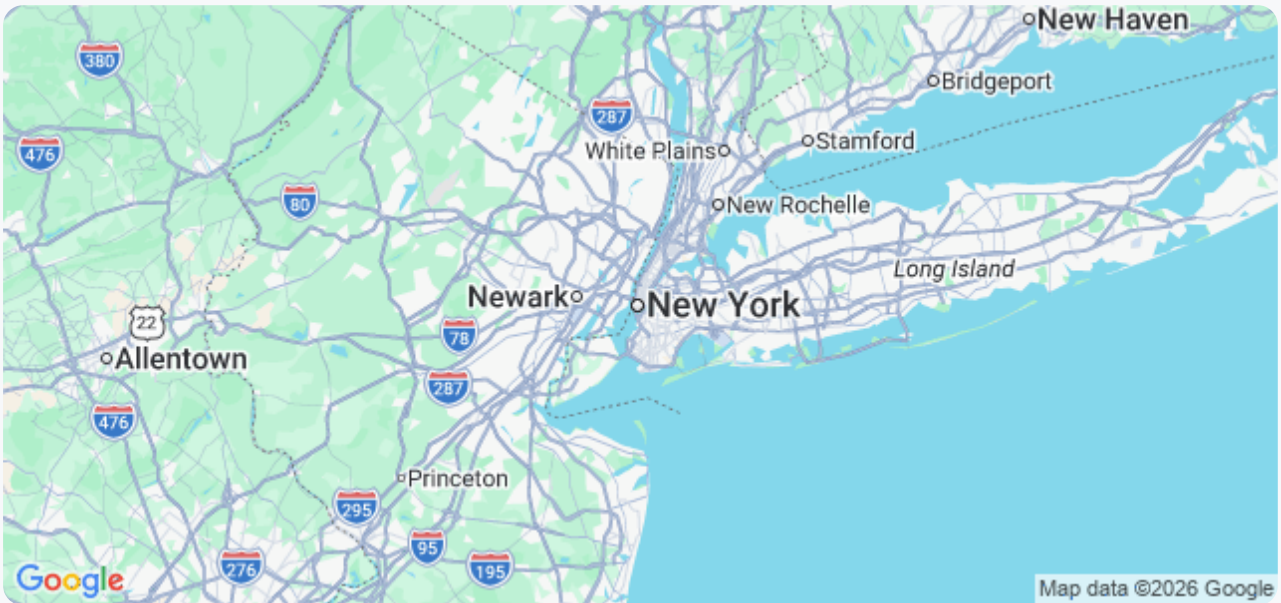
### Upload Cable Inspection Photos

 Upload File

### Number of Corrosion Points

### Cable Location Coordinates

 [Set My Current Location](#)



## Fiber Optic Cable Testing

Testing of fiber optic cables for signal loss and connection integrity (if applicable).

### Attenuation (dB)

### Loss on Connector (dB)

Enter a number...

### Reflectance (%)

Enter a number...

### Insertion Loss (dB)

Enter a number...

### OTDR Pass/Fail

Pass

Fail

### Test Date

Enter date...

### Test Time

Enter time...

### Observations/Comments

Write something...

# Power Supply Verification

Confirmation of adequate power supply to signaling equipment.

## Input Voltage (VAC)

## Input Current (Amps)

## Output Voltage (VAC)

## Output Current (Amps)

## Power Supply Status

- Nominal
- Slightly High
- Slightly Low
- Abnormal

### Last Power Supply Replacement Date

### Time of Power Supply Test

## Emergency Power System Test

Testing of backup power systems for signaling functionality in case of power failure.

### Test Start Time

### Voltage During Test (V)

### Frequency During Test (Hz)

### Automatic Transfer Switch (ATS) Function

- Transferred Successfully
- Partial Transfer
- Failed Transfer

### UPS Status

- Online
- Switching
- Bypass
- Fault

### Last UPS Maintenance Date

Enter date...

### Any unusual observations during test?

Write something...

### Test End Time

Enter time...

# System Software & Firmware Update Verification

Confirmation of successful software and firmware updates, if applicable.

## Update Installation Date

## Software Version Before Update

## Software Version After Update

## Detailed Update Notes (Release Notes Summary)

### Update Method (e.g., Remote, Manual)

- Remote
- Manual

### Update Status

- Successful
- Failed
- Partial

### Log File (if applicable)

 Upload File

### Any Error Messages/Observations during Update

Write something...

## Record Keeping & Documentation

Verification of accurate and complete maintenance records.

### Date of Inspection

Enter date...

### Start Time of Inspection

Enter time...

### Equipment Serial Number(s)

Enter a number...

### Detailed Observations & Comments

Write something...

### Inspection Result

Pass

Fail

Conditional Pass

### Supporting Documentation (e.g., photos, diagrams)

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### Inspector's Name

Write something...

### Inspector's Signature

