



**Massachusetts Bay
Transportation Authority**

MBTA Subway Training

Light Rail Training Department

Streetcar Motorperson Recertification Program Sign-Off Rev 1-2020

Topics Covered

- Speed Reduction Goals
- Defensive Driving Techniques
- Doors / Equipment
- Proper Radio Etiquette
- Car house / Yard Reminders
- Switches
- Safety Stops, Spacing & traveling distance
- Signals / A.V.I.
- PCC / Stop In Place
- PPE / Flagging Refresher
- ADA
- Report Writing
- Fatigue
- Emergency Procedures

Hands On/Yard Exercises

- Making and Breaking Type #7, #8, #9
- Door Isolation #7, #8, #9
- Type #8, #9 Bridgeplate Operation and Isolation
- Type #9 MTU Panel
- Portable Hand Crank Lift

Other Materials Issued

- Trouble Shooting Guide for PCC, Type #7, Type #8 and Type #9

I have reviewed and understand the topics as stated above and participated in the yard exercises.

Name: _____ Badge Number: _____

MP Signature: _____ Date: 1 / 21 / 20 21

Instructor: _____ Badge Number: _____



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Motorperson Recertification Test Rev. Jan.2020

Name: _____ **Badge #:** _____ **Date:** 1/21/2021

Instructor: _____ **Score:** 80 % 24
4 points each question **Time Limit: 45 minutes**

Please answer all the questions completely and legibly, do not use "follow prescribe rule"

- ~~1.~~ When acknowledging a message over the radio, you must include?
- a) Your train number with a "10-4"
 - b) Your train number and the name of the person giving you the message
 - c) Your train number, repeat the given message and the name of the person giving you the message.
 - d) Your train number, location, direction of travel and repeat the given message
2. When there is a "TACH" Fault, what action must the Motorperson take when there is an indication of brake(s) holding?
- a) Keep the train moving
 - b) Off load the train and keep it moving
 - c) Call OCC and standby until an official, supervisor, or carhouse personnel can manually release the brake(s) and see if all wheels are rolling free
 - d) Express the train to the nearest official

3. After making up a train, what is the tool that is used to check for a positive couple?

- a) Coupler Hook
- b) Drawbar Cover
- c) Drawbar Pin
- d) Switch Stick

4. Trailer person may exit their train on their own at the end of the line/trip as long as?

- a) Its your last trip
- b) You have another trip to do
- c) You are going on break
- d) You have permission from an Authorized Person or Dispatcher to do so

5. An operator can remove the "Maintenance in Progress" Tags as long as?

- a) There are no one working around the train
- b) The Yardmaster or Official say it's a good train
- c) You can never remove the tag, notify the Yardmaster or Car House Foreperson
- d) It's the last train in the yard

6. Both eastbound and westbound Cleveland Circle Trains has the proper signal and switch to proceed through the Beacon Junction area, who has the right of way?

- a) Depending the time of the day
- b) Eastbound
- c) Both trains
- d) Westbound

7. At a double facing point switch, who has the right of way?

- a) Eastbound during rush hour only
- b) Westbound during rush hour only
- c) Westbound always
- d) Eastbound always

8. ✓ What is the safe following distance between two moving trains on street level?

500 Feet

9. ✓ The distance between two moving trains in a station/platform is? 100 Feet?

X 10. If an Automatic Block Signal is **Defective** on the **Viaduct**, what is the rule?

Stop call OCC, wait for official to show up

If the answer is wrong above, please use bottom space to write in correct answer

X 11. If Signal #712 at Science Park Westbound has a red aspect, what should you do?

- a) Wait on the platform with doors open c) Pull the train up to the signal and stop
b) Wait 60 seconds and proceed d) Do a safety stop then proceed

12. ✓ What is the maximum speed when entering intersections, platforms and walkways in ideal conditions? 10 MPH

13. ✓ When an Authorized person waves you through a Defective Automatic Block Signal, after you've come to a STOP, what should you do?

- a) Wait 60 seconds then proceed on line speed
b) Proceed at line speed
c) Proceed on last posted speed
d) Proceed at 10 MPH to next signal or platform

14. ✓ What is the rule for a **Defective** Automatic Block Signal?

Stop, Call OCC, wait 60 seconds then proceed 10mph to the next light or sign

If the answer is wrong above, please use bottom space to write in correct answer

15. ✓ What is the rule for a **Defective** Interlocking Signal (Double Red)?

Stop, Call OCC, wait for Official

If the answer is wrong above, please use bottom space to write in correct answer

16. ✗ What should you do if you see a Double Yellow Signal with **no** streetcar in the station?

Stop then proceed forward to the platform

If the answer is wrong above, please use bottom space to write in correct answer

17. If a Multi Aspect Signal has no aspect lit, what should you do after calling O.C.C.?

X

- a) Stop and proceed to next signal at last posted speed
- b) Stop and wait 60 seconds then proceed at 10 MPH to next signal
- c) Stop and wait for an Authorized Person on scene to wave you through
- d) Stop and then read the switch then proceed to next signal

✓ 18. What is the purpose of a time light?

- a) To time you at every switch
- b) To slow you down
- c) To space trains out
- d) To show switch position

✓ 19. What is the purpose of a pot light/flag/cube?

- a) For clearance to enter a carhouse
- b) To space out trains in the central subway
- c) To indicate a switch position at crossovers
- d) To slow you down

20. List the five steps to properly perform a push job on a PCC after chalking the wheels?

- ✓ 1. Tack on good car
- ✓ 2. Chain the drawbr
- ✓ 3. Bleed the car
- ✓ 4. Cut the motor
- ✓ 5. Tie the Car

21. After all personnel have cleared of a Level 1 Area, who has the authority to resume train service?
- a) Official
 - b) Supervisor
 - c) Dispatcher
 - d) All of the above
22. In a Level 4 Flagging Site, how far should the flagperson be from the workers?
- 25 Feet while facing oncoming traffic.
23. Under Level 4, Flagpersons must set up a warning device approximately ____ before the work crew.
- a) 10 feet
 - b) 25 feet
 - c) 100 feet
 - d) 500 feet
24. While operating a train, you observe someone using their flashlight making a "to and fro" (left and right) motion across the track, you must?
- a) Keep ringing your gong until your clear past the individual.
 - b) Proceed under 10 mph to the individual.
 - c) Come to a safe and complete stop as soon as possible
 - d) Flash your headlights continuously until you clear the individual.
25. Service Animals perform a variety of necessary day to day functions for people who are?
- a) Visually Impaired
 - b) Hearing Impaired
 - c) Psychiatric Disabilities
 - d) All of the above

