



SAFETY RULES

1. When may a crew use practices that do not conform to the rules? (Rule 70.2 & SSI 90.3)

2. A crewmember wishes to smoke in the cab of your locomotive. If all crewmembers are in agreement is this permissible? (Rule 70.2 & SSI 90.3)

3. Following an initial job briefing, what conditions would require that the briefing be conducted again? (Rule 70.3)

4. What conditions would permit a crewmember to motion automobiles around crossing gates? (Rule 70.8)

5. Employees must wear hearing protection anytime they are within a radius of _____ feet around a locomotive. (Rule 71.2.2)

6. Describe the appropriate footwear for locomotive engineers. (Rule 71.7.1)



7. When crewmembers are deadheading in contract vehicles, are seatbelts required if employees are trying to sleep?

(Rule 74.8)

8. How would you handle heavy or awkward objects, such as a freight car knuckle, to avoid injury?

(Rule 75.1)

9. Employees are responsible and are required to observe safe practices to eliminate slips, trips and falls. This would include doing the following:

(Rule 80.1)

10. While inspecting your locomotives, are you permitted to walk between the rails of an adjacent track to inspect the brake rigging?

(Rule 81.1.1)

11. Where should crewmembers be positioned while inspecting a passing train?

(Rule 81.1.2)



12. When necessary to cross tracks around the end of standing equipment, what is the minimum distance that must be maintained between you and the equipment?

(Rule 81.2.2)

13. When necessary to ride a car over a street or highway crossing, how should you position yourself on the side ladder?

(Rule 81.7.1)

14. Describe the correct procedure to be followed when operating a switch or derail.

(Rule 82.3)

15. Describe the procedures to be followed while operating locomotive hand brakes.

(Rule 81.11)

16. A conductor is required to go between standing equipment to open a knuckle. The equipment must be separated at least _____ before going between the equipment to make the adjustment.

(Rule 81.2.2)



17. While inspecting locomotives, you notice a loose grab iron on a trailing unit. What is required in regard to the loose grab iron?

(Rule 81.3)

18. When getting on or off of an engine, under what circumstances must you face the engine?

(Rule 81.4.1)

19. Describe the circumstances that would permit an employee to ride the END platform on a moving car.

(Rule 81.7.1)

20. A conductor is riding a car to a coupling during a switching operation. As a member of the crew, would you take exception to this?

(Rule 81.13)

21. A conductor is riding the locomotive to a coupling during a switching operation. As a member of the crew, would you take exception to this?

(Rule 81.13)

22. While working in a bowl track where there is a tendency for cars to roll together, what safeguards must a conductor follow before going between cars to adjust a drawbar?

(Rule 81.13.1 & 81.5.4)



GLOSSARY (DEFINITIONS)

23. A block system that uses controlled block signal indications to authorize train movements is the definition of _____.
(Glossary)

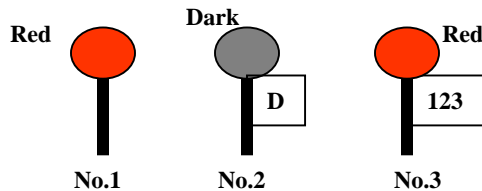
24. A track extending through yards and between stations that must not be occupied without authority or protection describes a _____ track.
(Glossary)

25. How would you best describe a movement that is shoving cars in CTC territory within the limits of their track and time authority?
(Glossary - Reverse Movement)

26. A series of consecutive blocks governed by block signals, cab signals, or both. The signals are activated by a train or by certain conditions that affect the block use. What glossary term does this describe?
(Glossary)

27. The term “_____” includes only tracks other than the main track and sidings; the term “_____” includes only a portion of the main track defined in the timetable by milepost location and yard limit signs.
(Glossary)

28. Write the name and indication for each of the following signals?
(Glossary / SSI Item 19 & 20)



1.

2.

3.



GENERAL RESPONSIBILITIES

29. Which general orders are crewmembers required to have a copy of so they can refer to them while on duty?

(Rule 1.3.2)

30. Describe the conditions required before crewmembers are permitted to nap?

(Rule 1.11.1)

31. When may the conductor ride in the second unit of a freight train?

(Rule 1.30)

32. Is a conductor working on a local in non-block territory required to maintain a "Conductor Report Form?"

(SSI Rule 1.47)

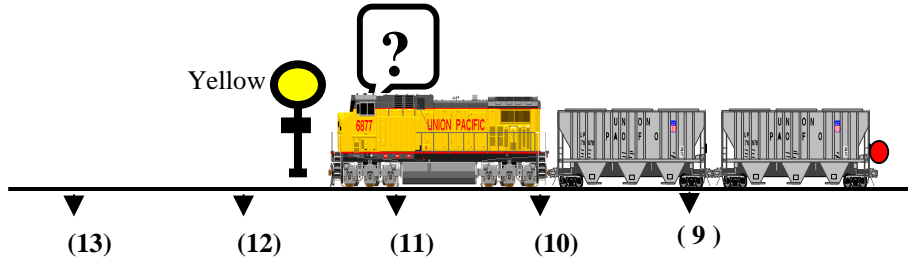
33. Conductors are required to maintain a record (Conductor Report Forms) of their last _____ round trips.

(SSI Rule 1.47)



34. A train passes a signal displaying an Advance Approach indication at 50 MPH. The engineer is not responding. What immediate action is required of other crewmembers in the locomotive cab?

(SSI Rule 1.47)



35. Describe the conditions that require a crew to comply with the requirements of a "Cab Red Zone" (CRZ).

(SSI Rule 1.47)

36. When the following block signal comes into view, what must crewmembers communicate clearly to each other?

(SSI Rule 1.47/9.2.4)



37. A train's track warrant authority (line 4) extends to MP 681.0.0 (last named point). When must the conductor remind the engineer that the train is approaching the end of the authority?

(SSI Rule 1.47)



SIGNALS AND THEIR USE

38. Under what conditions may employees use the radio in place of hand signals? (Rule 5.3.6)

39. Your crew is using the radio instead of hand signals when shoving cars into an industry track to spot cars for unloading. The last "car count" received and acknowledged was "20 cars to a spot." If no further communication is received, what must the engineer be doing after moving an additional 10 car lengths? (Rule 2.13 & 5.3.7)

40. At a location where a whistle ban is in effect, an employee is giving you a hand signal to stop. What whistle signal should be sounded to properly acknowledge the hand signal, if any? (Rule 5.8.2(4) & 5.3.5)

41. Your train has passed a yellow flag at MP 545.0. You have a track bulletin that contains a 30 MPH speed restriction between MP 547.0 and MP 568.5. While complying with the 30 MPH speed restriction, a maintenance of way employee properly identifies himself as the foreman in charge and states that your train may now proceed at maximum authorized speed. How must you proceed?

How would you proceed if you found a green flag within the limits of the 30 MPH speed restriction? (Rule 5.4.2 & 15.13)



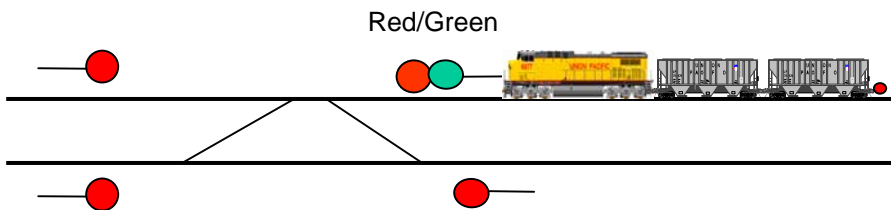
42. You observe a yellow flag properly displayed for your movement at MP 10.0 and you have no track bulletin, track warrant, or general order that specifies a restriction at this location. How must you proceed?

(Rule 5.4.2 B)



43. Your train has been authorized to proceed through a Form B track bulletin on Track 1 but is about to crossover to Track 2 on a Diverging Clear signal. The Form B bulletin specifies ALL TRACKS at this location. What action, if any, is required before crossing over?

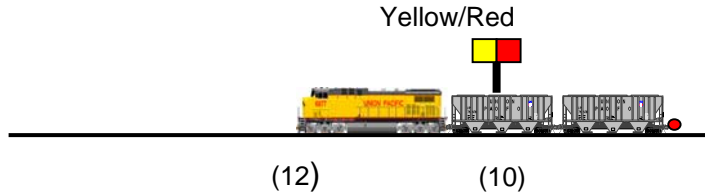
(Rule 15.2-D)





44. How would you proceed given the following scenario. You have a Form B track bulletin with limits between MP 12.0 and MP 14.0 in your possession. You pass a yellow-red flag at MP 10.0 and the time is 1430. Your bulletin is in effect between 0800 to 1400 with a "Stop" in the stop column. You are now at MP 12.0 and no red flag is displayed. You can not contact the foremen in charge.

(Rule 5.4.3 B & 15.2C)



45. You are stopped to inspect your train within the limits of a form B track bulletin when the bulletin takes effect. How may you proceed if the bulletin has a "STOP" in the Stop column?

(Rule 15.2 C)

46. The engineer on a moving train approaching maintenance of way employees near the right of way should do what in regard to sounding the whistle?

(Rule 5.8.2(8))

47. An engineer is picking up power from an engine servicing area. If the foreman in charge of the facility gives him permission to remove the blue flag from the engine, should he follow these instructions? Why or why not?

(Rule 5.13 A)



MOVEMENT OF TRAINS AND ENGINES

48. What is required before occupying a track that you have just been granted authority on "Joint With" another train or maintenance of way employees?
(SSI Rule 6.3)

49. While working a switch engine, your job pulls 100 cars out of one track, sets 50 cars over into another track, and will now shove the remaining 50 cars back into the original track. Do these conditions require a crewmember be on the lead car for protection? No other job is working in the yard at this time.
(Rule 6.5)

50. While working a switch engine your job needs to enter the main track within yard limits. What is your crew required to obtain before making this move?
(Rule 6.13)

51. Your train is operating on the main track within non-signaled yard limits. What speed is required and when can that speed be exceeded when departing the yard limits and entering CTC limits beyond?
(Rule 6.13)

52. If any member of a crew has reason to believe that their train has passed over a dangerous defect, what immediate action is required?
(Rule 6.21.1)



53. Is the conductor on a train responsible for considering train speed, grade conditions and air gauge indications to determine that the train is being handled safely and is under control?
(Rule 6.22)

54. Your manifest train has an undesired emergency brake application while operating in multiple main track territory. What immediate action is required of the crew? If an air hose separation is discovered near the head end of the train, after coupling the air hoses, will it be necessary to inspect the remainder of the train?
(Rule 6.23)

55. Outside of yard limits, what authority should a crew have to move against the current of traffic in double track territory?
(Rule 6.25)

56. In your opinion, what is the most critical element of both the Movement at Restricted Speed and Movement on Other than Main Track Rules?
(Rule 6.27 & 6.28)

57. Your train is stopped in a siding to meet another train. What type of inspection must your conductor and student conductor make of a passing train?
(Rule 6.29.1)



58. If your train is within 3000 feet of a crossing equipped with automatic warning devices, what is the most that you can increase your speed until you can see that the devices have been operating long enough to provide a warning and the gates are fully lowered?

(Rule 6.32.2)

59. Your crew receives the following instructions from the train dispatcher; "Automatic crossing device not working properly at MP 613.0 Dillon Rd., comply with XG procedure." As you approach the crossing prepared to stop you observe the warning device activated. How may you proceed?

(SSI Rule 6.32.2)

60. Your are operating your train on an industrial lead and are approaching a grade crossing that is equipped with automatic warning devices. Describe how you would approach this crossing?

(Rule 6.32.2)

SWITCHING

61. What should you do before coupling into a cut of cars on a yard track?

(Rule 7.4)

62. Before coupling to or moving cars on tracks where cars are being loaded or unloaded, crew members must:

(Rule 7.8)



63. When would it be necessary (if ever) to couple air hoses and charge the air brake system on cars that are being handled entirely within yard limits? (Rule 7.11)

Four horizontal lines for writing the answer to question 63.

SWITCHES

64. The employee handling a hand-operated switch must be not allow _____ until the hand-operated switch or derail is properly lined. (Rule 8.2)

65. When entering a siding through a hand operated switch, what is the employee handling the switch required to do with the switch lock while the train is passing over the switch? (Rule 8.8)

Three horizontal lines for writing the answer to question 65.

BLOCK SYSTEM RULES

66. When a track is signaled beyond interlocking limits in the direction of movement, the interlocking signal is also a _____ signal. (Rule 9.3)

Two horizontal lines for writing the answer to question 66.

67. Your train has passed an Advance Approach signal and has reduced to 40 MPH. You then observe the next governing signal in advance of your train change from an Approach to a Clear. When may you resume maximum speed? (Rule 9.8)

Three horizontal lines for writing the answer to question 67.

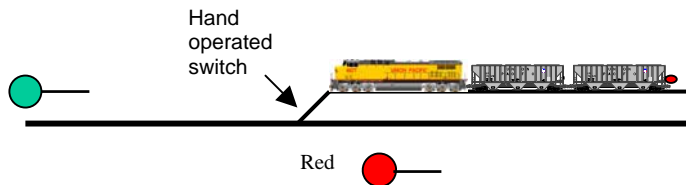


68. Your train has passed an Advance Approach signal and has reduced speed to 40 MPH. You then observe the next governing signal in advance change from an Approach to an Advance Approach. What speed is required while approaching the next Advance Approach signal?
(Rule 9.8)

69. When your train is delayed within a block in CTC territory, what is required? You entered the block on a Clear signal.
(Rule 9.9)

70. Your train passes a Clear signal that governs the approach to an automatic interlocking. If the speed of your train is below or reduced below _____ MPH you must proceed prepared to stop at the interlocking signal until the train reaches a point approximately _____ feet from that signal. If the interlocking signal then indicates proceed, the train may resume speed.
(Rule 9.9.1)

71. (Rule 9.9.1)Your train has been authorized to enter the main track between signals in TWC/ABS territory. After opening the switch and waiting 5 minutes, how must you proceed?
(Rule 9.10)





72. Your train has stopped at a Stop and Proceed signal. You are now moving beyond the signal into the next block at restricted speed. In the distance you see and call the next signal, "Clear." The track can be seen to be clear to the next signal. At what point are you relieved of the requirement to proceed at restricted speed?

(Rule 9.8 & 9.11)

73. Within CTC territory, the train dispatcher is unable to give your train a proceed signal at a control point. The dispatcher gives you permission to hand operate the switch, line the switch for your route, then place the switch back on power and notify him when the switch has been restored to power. Describe what you would do after repeating these instructions and receiving acknowledgement.

(Rule 9.12.1 & 9.13.1)

74. While working within your track and time limits, it becomes necessary to hand operate a dual control switch. Will it be necessary to receive permission from the dispatcher before removing the power and operating the switch?

(Rule 9.13.1)

75. Are trains required to stop at signals displaying a Stop and Proceed indication while working within the limits of their track and time?

(Rule 9.16)

76. Within TWC/ABS territory, you have just been issued a track warrant with Box 4 "work between" authority. Will it be necessary to line the main track switch and wait 5 minutes before entering the main track within your track warrant limits?

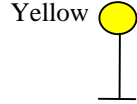
(Rule 9.17)



SIGNALS

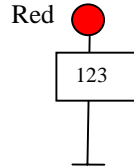
77. Write the name and indication of the following signal?

(SSI Item 20, Rule 9.2.6)



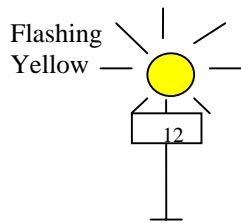
78. Write the name and indication of the following signal?

(SSI Item 20, Rule 9.2.14)



79. Write the name and indication of the following signal?

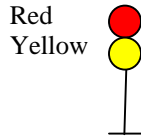
(SSI Item 20, Rule 9.2.4)





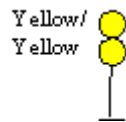
80. Write the name and indication of the following signal?

(SSI Item 20, Rule 9.2.11)



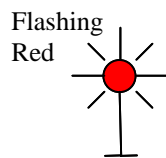
81. Write the name and indication of the following signal?

(SSI Item 20, Rule 9.2.5)



82. Write the name and indication of the following signal?

(SSI Item 20, Rule 9.2.13)

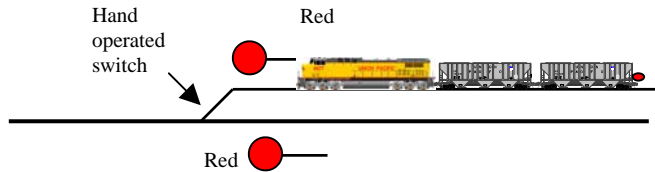




CENTRALIZED TRAFFIC CONTROL (CTC)

83. You have been issued authority to enter the main track and proceed eastward at a hand operated switch. After a crewmember lines the main track switch, the absolute signal governing movement to the main track continues to display a Red aspect. What is necessary before passing the signal displaying a Stop indication?

(Rule 10.1)



84. You are working a work train with 1 locomotive and 5 ballast cars in CTC territory. The dispatcher has asked if you can clear up in a spur track to let the "Z" train pass. The spur track is not equipped with either an electric lock or a signal governing the entrance to the main track. The maximum speed on the main track over this switch is 60 MPH. Are you allowed to clear the main track at this location to help the dispatcher out?

(Rule 10.2)

85. Your train is operating within track and time limits when you encounter a Stop indication at a control point, (not an interlocking). What action is required in regard to the Stop indication?

(Rule 10.3 A1)

86. Describe how a train dispatcher would issue a train joint track and time limits if a preceding train with the limits had already been issued track and time (not joint).

(Rule 10.3.3)



TRACK WARRANT CONTROL (TWC)

Track Warrant

No. 65748

Date: January 1, 2005

To: UP6219

At: SAND CREEK

- 2. [X] **PROCEED FROM SAND CREEK TO WHITEWATER ON MAIN TRACK QUIGLEY SUBDIV.**
- 7. [X] **NOT IN EFFECT UNTIL AFTER ARRIVAL OF UP 9300 EAST AT SAND CREEK.**
- 8. [X] **HOLD MAIN TRACK AT LAST NAMED POINT.**
- 12. [X] **BETWEEN SAND CREEK AND VERITEK MAKE ALL MOVEMENTS AT RESTRICTED SPEED. LIMITS OCCUPIED BY MEN OR EQUIPMENT.**
- 18. [X] **JOINT WITH FOREMAN GUNNER BETWEEN SAND CREEK AND VERITEK.**

This Warrant has 5 Boxes Marked: 2, 7, 8, 12, 18.

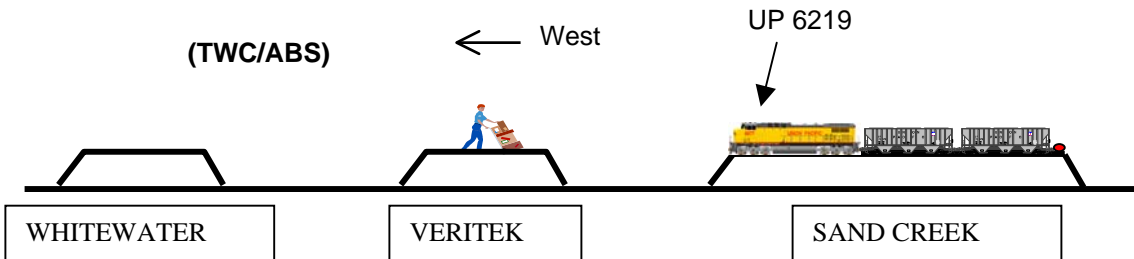
OK 0800

Dispatcher: WBH

Copied by Wills

Limits reported Clear at _____

By _____



87. (Refer to track warrant No.65748). UP 6219 West is authorized to occupy the main track between which two points? Be specific; use east or west switch locations.

(Rule 14.2)



88. (Refer to track warrant No.65748.) UP 6219 has contacted FOREMAN GUNNER who informs the crew on UP 6219 that he is clear of the main track in the siding at Veritek and will remain in the clear until they arrive and pass. What are the exact limits UP 6219 must move at restricted speed when leaving Sand Creek with reference to the track warrant, Box 12?
(Rule 14.2)

89. (Refer to track warrant No.65748) This warrant is not in effect until the arrival of UP 9300 East at Sand Creek. How can the UP 6219 verify the arrival of the UP 9300? Give two methods.
(Rule 6.2.1)

90. What must a crewmember write on each copy of the crew's track warrant after the train has reported clear of the limits or the track warrant has been made void? How long must the crew retain these track warrants?
(Rule 2.14 & 14.12)

91. What is required with regard to a hand throw switch used to clear the main track before a crewmember can report clear of the limits of a track warrant in non-sigaled TWC territory?
(Rule 14.7)



REMOTE CONTROL OPERATION

92. How can you determine exactly where remote control zones have been established at a terminal?

(SSI Rule 6.7.1)

93. Who may activate a remote control zone?

(SSI Rule 6.7.1)

94. How can a remote control operator be relieved of point protection for pullout movements (locomotive on leading end), and the Rule 6.28 requirement to stop within one-half the range of vision?

(Rule 6.5.1)

95. What must you do before entering a remote control zone?

(Rule 6.7)

96. What is required before a secondary RCO (remote control operator) can adjust a drawbar on a car that is being handled?

(SSI Rule 81.5.4)



97. Before using positive stop protection (PSP) in a remote control zone, what must a crewmember do to verify that the PSP is working properly?

(SSI Item 10B-B4)

AIR BRAKES AND TRAIN HANDLING

98. When an air brake test is being performed by the train crew, who is in charge of the train?

(Rule 30.5)

99. While performing the leakage test portion of the Initial Terminal Air Brake Test (Class 1), what is required if the leakage is excessive as determined by either the air flow method or brake pipe leakage method?

(Rule 30.9)

100. What percentage of the brakes in your train must be operating properly before proceeding during an Initial Terminal Air Brake Test?

(Rule 30.4)

101. Your crew is picking up 13 cars from a siding. A Class 1 air brake test is needed. The conductor gives the engineer permission to apply the brakes and as he walks the application he notices the brakes on one of the cars has released. What is required?

(Rule 30.10.2)



102. What is required if a crew receives a train at interchange and no Initial Terminal Air Test slip is found anywhere on the train?

(Rule 30.10.3)

103. Your crew has been instructed to pick up 20 cars off a siding and place them on the head end of your train for movement to the next terminal. You do not know how long the cars have been disconnected from an air supply. What would you inspect on these cars and how would you make the required air brake test?

(Rule 30.10.2)

104. After stopping to pick-up or set-out cars enroute, is it necessary to fill out a new Initial Terminal Air Brake inspection form or to modify the existing form?

(Rule 30.10.3)

105. Which air brake test(s) do not require that a leakage test be performed during the test, or a check of the brake release?

(Rule 30.11)

106. During an Intermediate Inspection and Air Brake Test, the car department finds 3 bad order cars in your train that need to set-out. You finish the set out and re-coupled within one hour. What test, if any, must you perform before departing?

(Rule 30.15)



107. A carman has removed the blue signal protection from your train and given you permission to depart. He advises you that he will be giving a rolling inspection of the air brake release as you depart. How must the train be moved?

(Rule 30.10.2)

108. While meeting a train, a conductor giving you a roll by inspection informs you that a car has a brake sticking. After stopping to inspect the car, the conductor must cut the air brakes out on the car to correct the condition. What else must he do in regard to the bad order car?

(Rule 30.4/32.7)

109. While working on an Industrial Lead, is an air brake test and inspection necessary when moving cars between industries?

(Rule 30.11)

110. While working a yard assignment and making a transfer movement from one yard to another, your crew picks up 5 cars from an industry as instructed by work order. What air brake test and inspection will be required for these cars, if any?

(Rule 30.11)

111. Your crew has separated the train at a grade crossing while waiting for an opposing train. The train was uncoupled for less than 2 hours. What air test is required, if any, after re-coupling the train?

(Rule 30.14)

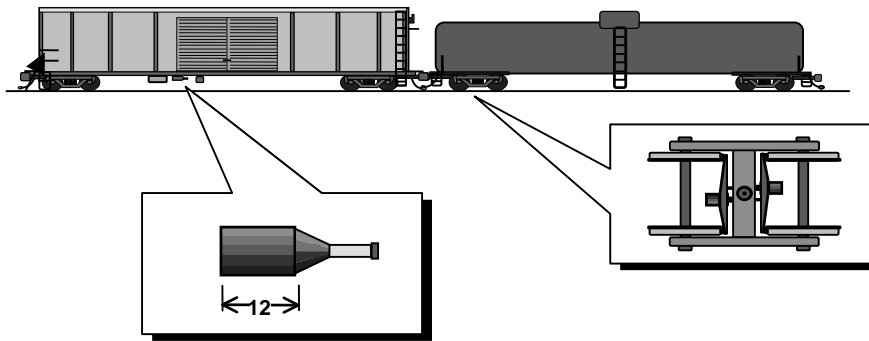


112. Which air brake tests require that a gauge or device at the rear of train is indicating that the brake pipe pressure is at least 75 psi before beginning the test?

(Rule 30.15.2 & 30.10.2)

113. What is the maximum piston travel allowable for the following cars when being picked up at an intermediate point?

(Rule 30.18)



114. What are the dynamic brake requirements for through trains operating on other than heavy or mountain grade territory?

(Rule 30.19.2)

115. During your tour of duty, if the locomotive inspection card indicates that the locomotives in your charge were inspected on the previous calendar day, what is your responsibility in regard to the daily locomotive inspection?

(Rule 31.2.1)



116. An engineer is boarding a run-through freight train with five locomotives in the consist. What is required in regard to checking the rear units for in-date locomotive daily inspection cards if the lead locomotive indicates that it has already been inspected on this date?

(Rule 31.2.1)

117. You have been instructed to pick-up a locomotive enroute and add it to your consist as a working locomotive. You discover that the inspection card is dated yesterday, and all locomotives in your original consist have been inspected this calendar day. What is required in regard to the unit you are picking up?

(Rule 31.2.1)

118. Is the person conducting a locomotive daily inspection always required to sign the daily inspection card and indicate whether the locomotive is complying or non-complying?

(31.2.3)

119. Describe the procedures necessary to properly secure your train against unexpected movement when leaving the train unattended.

(Rule 32.1.1)

120. When necessary to "run-around" your train, under what circumstances could you close the angle cock on the cars, you are cutting away from, before leaving to go against the cars at the other end?

(Rule 32.1.2)

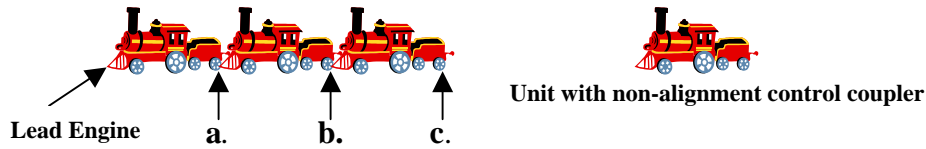


121. When leaving locomotives unattended, not coupled to equipment, how must they be protected against movement to the main track?

(Rule 32.1.3)

122. Some foreign line road and switch engines are not equipped with alignment control couplers. These units will be identified on the TCS train consist. Where would you properly place one of these "non alignment control coupler" units for multiple-unit operation in a three (3) unit consist?

(Rule 31.17.2)



123. Anytime a crew changes or repositions either the head end unit or the rear of train telemetry device, what is required before the crew departs?

(Rule 32.13)

124. Your 8,700 ton manifest train has a total of 70 equivalent powered axles on the head end. What is required, providing Timetable Subdivision Instructions do not specify otherwise, in regard to the maximum powered axle limitations for manifest trains?

(Rule 32.11)



125. A 2-way EOT failure will be indicated by any of the following conditions displayed by the head-end unit (HEU). If one of these indications (listed below) is displayed on the HEU while operating on trackage listed in the System Special Instructions, Item 8 as "2%", what action is required?

(Rule 32.14.1)

- "DEAD BAT"
- "FR NOCOM"
- "NOCOM"
- "VALVE FAIL"
- "EMERG DISABLED"
- "NOT ARMED"

126. While your train is stopped and movement is delayed, what must the engineer do with the automatic brake valve and what procedures are necessary before starting the train with regard to the train air brakes?

(Rule 33.3.2)

127. What procedure is necessary before applying the automatic air brakes when you do not want the locomotive brakes to apply from the reduction in brake pipe pressure?

(Rule 33.5)

128. Your train has been stopped in a siding for 45 minutes waiting for a "Z" train to pass. Your engine consist has two locomotives equipped with an automatic start/stop feature. What is procedure is required before starting the train?

(Rule 33.6.1)



129. What is the preferred method of train handling for fuel conservation considerations?
(Rule 33.6.3)

130. Under what conditions would stretch braking be permitted when the throttle is in a position higher than Run 4?
(Rule 33.6.3F)

131. When it is required that you shove your train, what must be done to limit excessive buff forces on the head end and minimize the chance of jackknifing equipment?
(Rule 33.6.6)

132. While negotiating a long heavy grade, if the automatic brake pipe reduction exceeds 18 psi to maintain the speed, what action is required?
(Rule 33.7.4)

133. Is the conductor on a moving train responsible for initiating an emergency brake application if the engineer is not responding to warnings or signals to reduce the train speed or to stop the train? If so, what must the conductor do after initiating the emergency brake application?
(Rule 33.8.1)



134. While operating your conventional freight train, (not a DPU train), at maximum speed, you notice what appears to be an obvious thermal misalignment in the track ahead. If service reductions will not stop the train prior to the lead locomotive passing over the misaligned track, what procedures are necessary?

(Rule 33.13)

SYSTEM SPECIAL INSTRUCTIONS

135. Unless specified otherwise, what is the maximum speed through dual control switch turnouts not connected to a siding?

(SSI Item 2)

136. Unless specified otherwise, what is the maximum speed while operating on an industrial lead?

(SSI Item 2)

137. What is the maximum speed of an engine that is not equipped with dynamic brakes when running lite on level track?

(SSI Item 2)

138. What would be your maximum speed when operating within the limits of a Level 2 Heat Restriction if your freight train averages 94 tons per car or platform?

(SSI Item 2-C)

139. What would be the maximum allowable Equivalent Axles of Power (EPA) allowed on an empty unit coal train operating when operating in territory other than those listed in Special Instructions Item 8?

(SSI Item 2-E)



140. Your manifest freight train is made up with 60 loads, 20 empties, and the total trailing tonnage is 7450. What is the TPOB (tons per operative brake) of your train?

(SSI Item 2-F)

141. The maximum authorized freight train speed on your subdivision is 70 MPH. You are operating a double-stack train containing 110 platforms and averaging 100 TPOB. What speed may you operate at, unless otherwise restricted?

(SSI Item 2-F)

142. Your intermodal freight train is made up of 20, five platform spine cars. The total trailing tonnage for your train is 4000. What is the TPOB (tons per operative brake) of your train?

(SSI Item 2-F)

143. What is the maximum number of locomotives that may be on the head end of a train unless otherwise authorized by train management?

(SSI Item 4-A)

144. If your train has a dimensional load and has received track bulletin notification of an excessive dimension load on another train that your train will meet, what must the conductor do before departing?

(SSI Item 5)

145. If your train's total trailing tons is 7500 tons, where could you place an empty non-intermodal flat car that is 89 feet long in your train?

(SSI Item 5-A)



146. The head end of your train is made up as follows reading from the head end to the rear:
(SSI Item 5-A)

<u>Position</u>	<u>Weight</u>	<u>Length</u>	<u>Type</u>
1	87 tons	89 feet	TOFC
2	105 tons	74 feet	Bulkhead Flat
3	115 tons	74 feet	Bulkhead Flat
4	30 tons	89 feet	TOFC (empty)
5	90 tons	89 feet	COFC
6	43 tons	39 feet	Tank
7	47 tons	37 feet	Tank
8	101 tons	55 feet	Box

What, if anything, is wrong with the placement of these cars?

147. If your train's total trailing tons is 5500 tons, what restriction would apply to a block of 20 empty cars placed in your train?
(SSI Item 5-A)

148. Is it permissible for employees to utilize electronic media such as laptops or PDAs in lieu of books for the following documents? GCOR, Safety, Air Brake and Train Handling and Hazardous Materials.
(SSI Item 7)

149. When would a local freight train with 3,400 trailing tons be required to have an operative two way EOT?
(SSI Item 8 & 32.14)

150. If a detector transmits a "No AC Power" message, is this is to be considered a detector failure?
(SSI Item 13)



151. A hot wheel detector has just identified a car with hot wheels in your train. Upon inspection you find a hand brake partially set. You release the applied handbrake thereby correcting the hot wheel defect. What else is required with regard to train inspection, if anything, before proceeding?

(SSI Item 13)

152. If a hot box or hot box and dragging equipment detector (Type 13.2) transmits an "integrity failure" and a "defect tone" is received, what action is required?

(SSI Item 13)

153. Your train (not a Key train) has activated a hot box detector. A proper inspection reveals no defects. You then proceed at maximum authorized speed and the next hot box detector indicates a hot journal on the same axle and no defect is found. What action is then required?

(SSI Item 13)

154. A hot box detector has just transmitted a defect tone or message to your train. Would you stop your train immediately, or wait until your train has cleared the detector to stop?

(SSI Item 13)



155. A dragging equipment detector has just transmitted a defect tone or message to your train. Would you stop your train immediately, or wait until your train has cleared the detector to stop?

(SSI Item 13)

156. A train defect detector, symbol (#), has identified a hot journal in your train on axle 88, on the north side. You have properly inspected the identified journal on axle 88 and all axles on that car. No overheated journal was found. What should you do next?

(SSI Item 13)

157. If a high wide/shifted load detector, timetable symbol "&" indicates a defect in your train, you should stop the train at once and inspect the train for the indicated defect. Is it permissible for you to move the train not exceeding 5 MPH to assist in making the inspection?

(SSI Item 13)



HAZARDOUS MATERIALS

158. How many placards are necessary on a hazardous material car that you are about to pick up and place in your through freight train? What paperwork is required to pick up the car?
(Form 8620 Sections II & IV)

159. Your 100 car mixed manifest train has some placarded hazardous material cars. Car number fifty is a loaded boxcar placarded "EXPLOSIVE 1.1" and car fifty-one is a loaded tank car placarded "CORROSIVE." Is this train makeup acceptable to take in according to the placement in train chart?
(Form 8620 Section VI)

160. Your crew is discussing your train consist (a portion shown below) of a train received from another railroad that shows two cars next to each other, 87 and 88 cars deep. Will it be necessary to switch these cars or may the train be moved as is?
(Form 8620 Section VI)

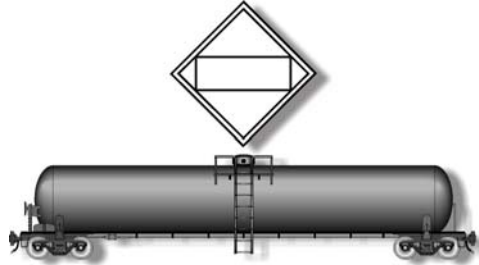
87 GATX 78040 LT32
R60 SPEED RESTRICTED CAR
1/TC
***** LIQUEFIED PETROLEUM GAS
* DANGEROUS * 2.1
***** UN1075
EMERGENCY CONTACT: (PROPANE)
800-424-9300 HAZMAT STCC = 4905752

88 GATX 78086 LT32
R50 SPEED RESTRICTED CAR
1/TC
***** PHOSGENE
* POISON GAS ZONE A * 2.3
***** UN1076
EMERGENCY CONTACT: RQ (PHOSGENE)
POISON-INHALATION HAZARD



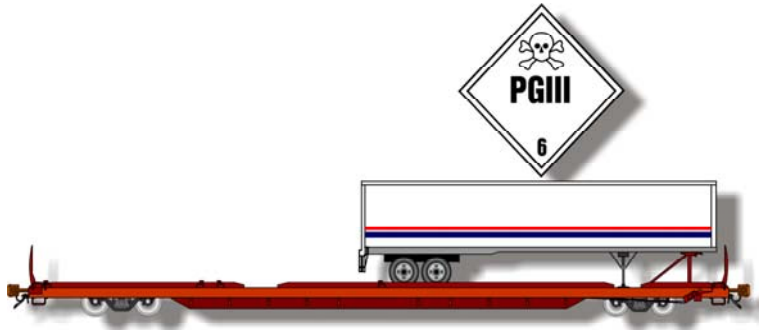
161. As a through-freight crew would you be able to pick up the tank car identified below from a spur track and bring it to a terminal without paperwork?

(Form 8620 Section II)



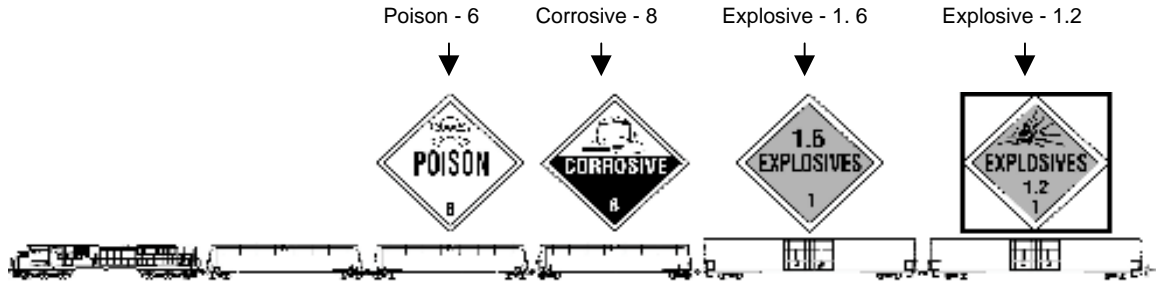
162. The following car is the head car in your train, next to your engine. If other train make up rules permit this car placement, would you be allowed to take the train as built, or will your crew need to switch this car back in the train?:

(Form 8620 Section VI)





163. Does this train comply with the Placement in Train Chart? All cars are loaded.
(Form 8620 Section VI)



164. In the event of a derailment that contains hazardous materials, what immediate action would you take if a fire or vapor cloud were observed anywhere in the train?
(Form 8620 Sec. VIII)
