

Storyboard for GCOR Training

Lesson Name: 2.0 Railroad Radio Rules

GCOR 2.21 Electronic Devices

Narrator (Bold)/Supervisor

A

Essential Question

Assessment Question

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Dexter is a MOW employee that is weed eating with a crew, along the rail line today. As a rail operating employee who works in the blue flag area and is generally foul of the rails, he is connected with the movement of trains and must be aware of safe distances and code.

Who is a rail operating employee?

A rail operating employee is an individual connected with the movement of a train or providing commuter rail passenger service.

- A. True
- B. False

<p>5</p> 	<p>He decided to walk ahead of his crew. He saw very tall grass and thought he would begin in that area.</p>			
<p>6</p> 	<p>As he walks further ahead, he is humming a song. He wishes he could listen to music. Maybe if he walks further ahead, he could.</p>			
<p>7</p> 	<p>He rounds a corner where there is much taller grass, turns around and sees that he is out of sight of the others. He knows electronic devices must be turned off and out of sight with no earpieces being used, but he really wants to listen to music.</p>		<p>When must electronic devices be turned off and stowed away?</p>	<p>Electronic devices must be turned off and stowed out of sight with any earpiece removed from the ear when: (Check all that apply)</p> <ul style="list-style-type: none"> A. On moving rolling equipment or on-track equipment. B. Any member of the crew is on the ground performing safety related duties. C. Any employee is assisting in preparation of the train, engine(s) or on-track equipment. D. All of the above
<p>8</p> 	<p>So, he pulled out his cell phone and found his favorite music.</p>			
<p>9</p>	<p>No one will know, right?</p>			

				
<p>10</p> 	<p>The tunes began to play and he thought the time will pass faster now.</p>			
<p>11</p> 	<p>He began to trim the grassy patches. He saw a flower blooming in front of him. It looked like a Queen Anne's Lace but he wasn't sure.</p>		<p>Can a personal stand-alone camera ever be used? If so, when?</p>	<p>A personal stand-alone camera may be used to take a photograph of a safety hazard or a violation of a rail safety law, regulation, order, or standard, provided that</p> <p>A job briefing is conducted among all crew members and any other individuals in the controlling cab of moving equipment,</p> <p>It is turned off immediately after the photograph has been made;</p> <p>It is not used by an employee at the controls of moving equipment.</p> <p>A. True B. False</p>
<p>12</p>	<p>He stopped, pulled out his phone and took a picture of the flower. Again, he remembered he was only allowed to use a personal camera for two reasons. This was not a photo of a safety hazard</p>			



or violation. The only violation was him using this to take a personal picture.



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He went on his way cutting the weeds. After a few minutes, his phone rang.

When may a railroad operating employee use a personal cell phone?

A railroad operating employee may use a personal cell phone only for voice communication when:
A. Rolling and on-track equipment is stopped
B. A safety briefing is conducted with all crew members to confirm that it will not interfere with any safety related or required duty,
C. No member of crew will foul any track.
D. All of the above





A cell phone may remain on after a call is completed:
A. True
B. False



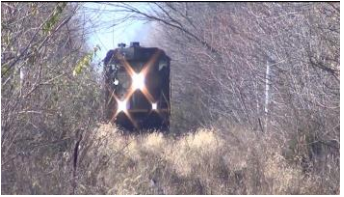






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He knows he should not take the call as he is foul of the track, but it is his son. He called to say that he had missed the bus home from school.




He remembers the rule of turning off his cell phone when not in use or during hours of operation, but he always leaves it on vibrate.





	<p>He begins making calls.</p>			
	<p>He reached the neighbors who will give him a ride to school and leaves his cell phone on to continue listening to music.</p>		<p>When can a stand-alone calculator or personal digital watch be used?</p>	<p>A personal stand-alone calculator, digital watch whose only purpose is as a timepiece and medical devices that are consistent with the railroad's standards may be used as necessary in the performance of duties.</p> <p>A. True B. False</p>
	<p>As he is working, he is thinking about the hours he has put in this pay period. Every day, he has had overtime as a bug is going around and his crew is short-handed. His arm is getting tired so he puts down his weed trimmer.</p>			
	<p>He pulls out his cell phone again, open his calculator and starts to add up the hours he has worked. He is looking forward to a big paycheck next Thursday.</p> <p>He knows that use of electronic devices is prohibited if it would interfere with safety, but after all, he is out here in the middle of nowhere weed trimming, so safety probably isn't an issue.</p>			



<p>19</p> 	<p>With his mind on the next payday, he continues to work and listen to his music. After a few minutes, his cell phone vibrates and he hears someone talking on the radio. He cannot hear what they are saying since he is listening to music. He puts down his weed trimmer.</p>	<p>That's odd. No one ever calls me on this cell phone.</p>	<p>When is it appropriate to use a personal or railroad supplied electronic device?</p>	<p>Personal or railroad supplied electronic devices may be used as necessary:</p> <ul style="list-style-type: none"> A. To respond to an emergency situation involving the operation of the railroad, B. To respond to an emergency encountered while on duty, C. As a communication device in the event of radio malfunction. D. All of the above
<p>20</p> 	<p>He pulls off his headset and is startled by a train whistle.</p>	<p>I have never used this cell phone. Wonder what they want as we don't use these unless there is an emergency.</p>	<p>Is the use of an electronic device prohibited if it interferes with duties?</p>	<p>A railroad supplied electronic device is prohibited that use would interfere with an employee's performance of safety-related duties.</p> <ul style="list-style-type: none"> A. True B. False
<p>21</p> 	<p>He never expected a train on such an overgrown track, but there it was, coming right at him.</p> <p>It was moving much faster than he anticipated. He jumped off the track and into the weeds, and rolled down a small embankment.</p>			

<p>22</p> 	<p>He could hear the wheels screeching as the train tried to slow down when the engineer saw him.</p>			
<p>23</p> 	<p>As he lay on the ground shaking from his experience, he looked up and saw that the train still had sparks coming from the wheels from trying to avoid him.</p>			
<p>24</p> 	<p>As he watched the train round the corner, he was so grateful his phone vibrated and his radio was notifying him, as he would not have heard a thing.</p>			
<p>25</p> 	<p>As he looked the other way, he saw members of his crew coming toward him. They had heard the train whistle and screeching, so knew something was wrong.</p>			
<p>26</p>	<p>Are you Okay?</p>	<p>Yes, I am. Just a bit shaken.</p>		

				
<p>27</p> 	<p>Another crew member and I pulled up in a truck and walked over. We saw Dexter sitting on the ground. After a few minutes of talking, I asked the other employees if I could have a few minutes with Dexter and to stand over near the truck.</p>			
<p>28</p> 	<p>Once they were out of voice range, I had a conversation with Dexter. How this happened?</p> <p>How could you not hear the train?</p>	<p>Well, I had my mind on other things and didn't think this track was in service.</p> <p>Uh, I guess I was breaking a rule and listening to music.</p>		
<p>29</p> 	<p>I am grateful you were not hurt. I have to be honest, we were all very worried when we heard the train whistle and trying to stop.</p> <p>Are you aware of the GCOR Electronic Device policy?</p>	<p>Yes, I am. I am not to use a personal electronic device while working on the rail, including</p>		

		one that plays music.		
<p>30</p> 	<p>Correct, can you tell me what an electronic device would be considered in this policy?</p> <p>Yes, and as you just stated, it includes anything that navigates the internet or plays music.</p>	<p>an electronic device is anything that I use to speak, write or communicate, like a cell phone.</p>	<p>What defines an electronic device?</p>	<p>An electronic device includes anything that is used to: (check all that apply)</p> <ul style="list-style-type: none"> A. Conduct oral, written or visual communication B. Navigate the internet or physical world C. Play a game or generate a computational function D. Play music <p>Perform any function that is not necessary for the health or safety of the person.</p>
<p>31</p> 	<p>A couple of others were contacted by radio, and they pulled up to check out the scene and saw that his weed trimmer was hit by the train and his cell phone was laying nearby, still playing music.</p> <p>They pulled out their UTA issued cell phones and took pictures of what they saw on the scene.</p>		<p>When may railroad authorized electronic devices be used?</p>	<p>Railroad operating employees may use a digital storage and display function of an electronic device to refer to a railroad rule, special instruction, timetable, or other directive provided train is stopped and use does not interfere with any employee's performance of safety related duties and all other crew members have been briefed on its limited use.</p> <ul style="list-style-type: none"> A. True B. False
<p>32</p> 	<p>I pulled up the rule and read it to Dexter. This was acceptable as it is used for business and he is not operating a train. This will not interfere with an employee's performance or safety.</p> <p>I then radioed another MOW supervisor and Control. Everyone was aware of</p>		<p>Can an employee use a railroad authorized electronic device be used in a business car or passenger train for railroad business?</p>	<p>Railroad authorized electronic devices may be used in the body of a business car or passenger train for railroad business when it will not interfere with an employee's performance of safety related duties.</p> <ul style="list-style-type: none"> A. True B. False

	the incident as the train engineer had radioed Control.			
33 	<p>Dispatch had then radioed me and other crews in the area. Although Dexter felt well enough to continue, I asked another employee to take him back to Jordan River.</p>		<p>Can railroad employees use railroad electronic devices to send work related information to other railroad employees?</p>	<p>Railroad operating employees may use railroad supplied electronic devices to send or receive work related information with: Railroad supervisors. Railroad customers. Railroad dispatchers. Railroad customer service employees. or Other railroad employees as necessary in the performance of their duties.</p>
34 	<p>On the way back, Dexter used his UTA phone to call his family, as his personal cell phone had a cracked screen. Although sympathetic, the co-worker reminded Dexter that the UTA phone was not for personal use.</p>		<p>Can a railroad employees use a railroad supplied electronic device for personal use?</p>	<p>Railroad operating employees may use railroad supplied electronic devices for personal use. A. True B. False</p>
35 	<p>Dexter met with management. Although he was very apologetic, there was nothing anyone could do. Dexter clearly violated numerous safety protocols that day.</p>			
36 	<p>As Dexter I headed home, he was very sad. He wished he had made better choices and stayed with the crew</p>			

 <p>37</p>	<p>That night, the maintenance crew removed the voice recorder and video from the train. They were able to hear the engineer blow the horn continuously, pull the emergency brakes and use electronic devices to call for help. The engineer followed protocol and did everything possible to stop the train and warn the worker.</p>		<p>When is it safe to use an electronic device?</p>	<p>A railroad operating employee must not use an electronic device while (Check all that apply)</p> <ul style="list-style-type: none"> A. While operating the controls of a moving locomotive B. On the ground within 4' of the track C. Engaging in a switching operation <p>While riding in a passenger car</p>
 <p>38</p>				
<p>Slides 39-52 are quiz questions. Slide 53 is the quiz results Slide 54 is the Congratulations slide.</p>				

2.0 Railroad Radio Rules *(Covered in CFR 220) this must be taught yearly to qualify. Make current course for online.*

2.21 Electronic Devices

This rule outlines the requirements for use of electronic devices. As used in this rule, the following definitions apply:

Electronic Device. An electronic or electrical device used to conduct oral, written, or visual communication; place or receive a telephone call; send or read an electronic mail message or text message; look at pictures; read a book or other written material; play a game; navigate the Internet; navigate the physical world; play, view, or listen to a video; play, view or listen to a television broadcast; play or listen to music;

execute a computational function; or, perform any other function that is not necessary for the health or safety of the person and that entails the risk of distracting the employee or another employee from a safety related task.

Railroad Operating Employee. An individual who is:

- Engaged in or connected with the movement of a train including a hostler,
- A train employee providing commuter or intercity rail passenger transportation,
or
- Subject to hours of service governing train service employees.

The use of any electronic device is prohibited if that use would interfere with an employee's performance of safety-related duties.

A. Personal or Railroad Supplied Electronic Devices

Personal or railroad supplied electronic devices may be used as necessary:

- To respond to an emergency situation involving the operation of the railroad,
- To respond to an emergency encountered while on duty,
- As a communication device in the event of radio malfunction.

B. Personal Electronic Devices

Except when deadheading in other than a controlling locomotive, railroad operating employees on duty (includes supervisors) must have each electronic device turned off and stowed out of sight with any earpiece removed from the ear when:

- On moving rolling equipment or on-track equipment.
- Any member of the crew is on the ground performing safety related duties.
or
- Any employee is assisting in preparation of the train, engine(s) or on-track equipment.

A railroad operating employee may use a personal cell phone only for voice communication when:

- A. Rolling and on-track equipment is stopped,
- B. A safety briefing is conducted with all crew members to confirm that it will not interfere with any safety related or required duty,
- C. No member of crew will foul any track.

Cell phone must be turned off when call has been completed.

Railroad operating employees may use a digital storage and display function of an electronic device to refer to a railroad rule, special instruction, timetable, or other directive provided train is stopped and use does not interfere with any employee's performance of safety related duties and all other crew members have been briefed on its limited use. When not in use it must be turned off and stowed.

A personal stand-alone camera may be used to take a photograph of a safety hazard or a violation of a rail safety law, regulation, order, or standard, provided that:

1. A job briefing is conducted among all crew members and any other individuals in the controlling cab of moving equipment,
2. It is turned off immediately after the photograph has been made;

3. It is not used by an employee at the controls of moving equipment.

A personal stand-alone calculator, digital watch whose only purpose is as a timepiece and medical devices that are consistent with the railroad's standards may be used as necessary in the performance of duties.

C. Railroad Supplied Electronic Devices

Railroad operating employees may use railroad supplied electronic devices to send or receive work related information with:

- Railroad supervisors.
 - Railroad customers.
 - Railroad dispatchers.
 - Railroad customer service employees.
- or
- Other railroad employees as necessary in the performance of their duties.

Railroad operating employees must not use a railroad supplied electronic device for purposes other than which it was intended or while:

- Operating the controls of a moving locomotive.
- On the ground within 4 feet of any track.
- On the ground and engaged in an active switching operation.
- Riding rolling equipment during a switching operation.
- At the controls of the locomotive and any other employee is assisting in the preparation of the train, engine(s), or on-track equipment, including testing of railroad equipment or brakes.
- Inside the controlling cab of a locomotive, train or on-track equipment, unless there has been a safety briefing and all crew members agree that it is safe to do so.
- Verbally obtaining or releasing mandatory directives when railroad radio communication is available.

Railroad authorized electronic devices may be used in the body of a business car or passenger train for railroad business when it will not interfere with an employee's performance of safety related duties.