

Railway Fundamentals – Track Circuits – self test questions

1. In which year was the Quintinshill accident?
A: 1915
2. In which country were track circuits in common use before the UK adopted them?
A: USA
3. Which WSR signal boxes have full illuminated track diagrams?
A: Minehead, Williton and Bishops Lydeard.
4. At which WSR signal boxes would you see centre-pivot swing arm track circuit indicators?
A: Blue Anchor and Crowcombe.
5. What are the pairs of red lights on track diagrams called ?
A: Lozenges.
6. What voltage does the demonstration rig work at?
A: 24 Volts.
7. If a piece of equipment is designed to 'fail safe' is that good?
A: Yes.
8. If our track circuit demo piece of track had a loco standing on it but had a broken rail, would the indication be unoccupied or occupied?
A: Occupied.
9. What type of vehicle might not operate track circuits?
A: A lightweight one such as a wagon or trolley.
10. If the rails were very rusty is there a risk the track circuit would not detect a vehicle?
A: Yes.