

Track workers struck by a train at Margam

The accident and its causes



Track workers struck by a train at Margam, Neath Port Talbot 3 July 2019

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Simon Kay

Summary of the accident

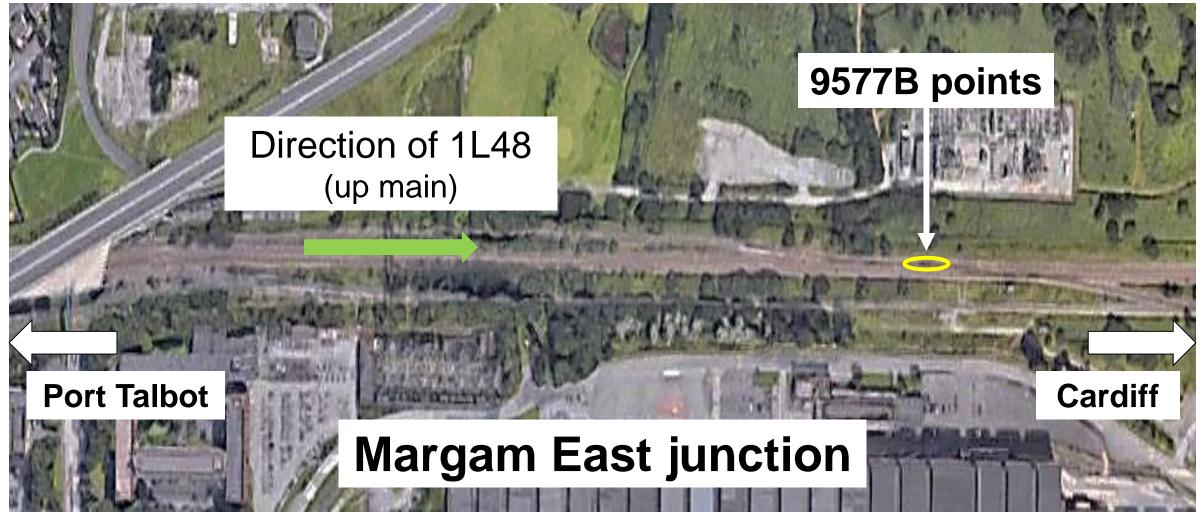
- Wednesday 3 July 2019, Margam East junction, Neath Port Talbot.
- Two track workers working on points were struck and fatally injured.
 - a third came very close to being struck.
- They were part of a group of six carrying out maintenance work.
- The train driver sounded the horn and applied the emergency brake on the approach.
- The train struck them travelling at around 50 mph (80 km/h).



The accident

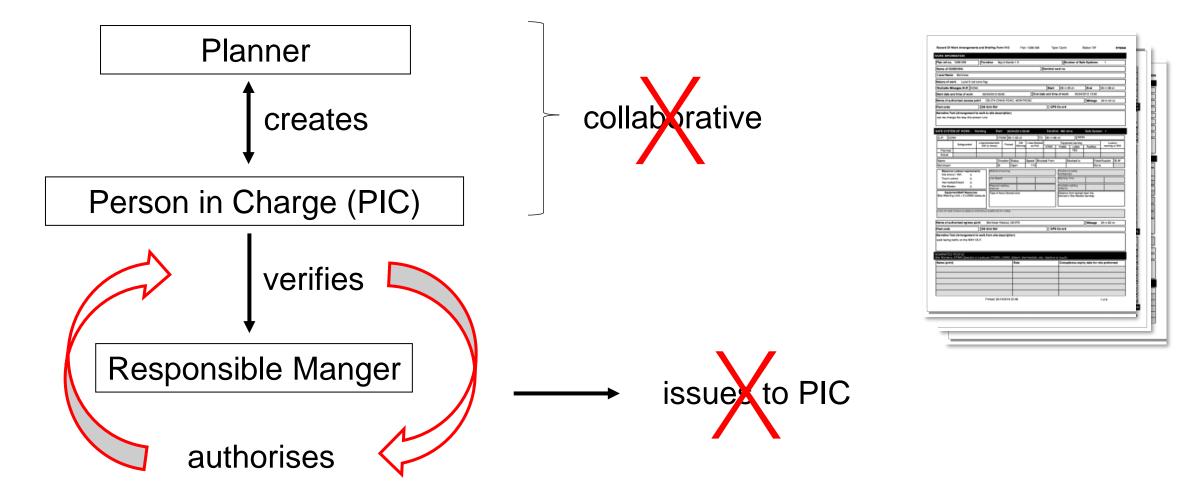


The location

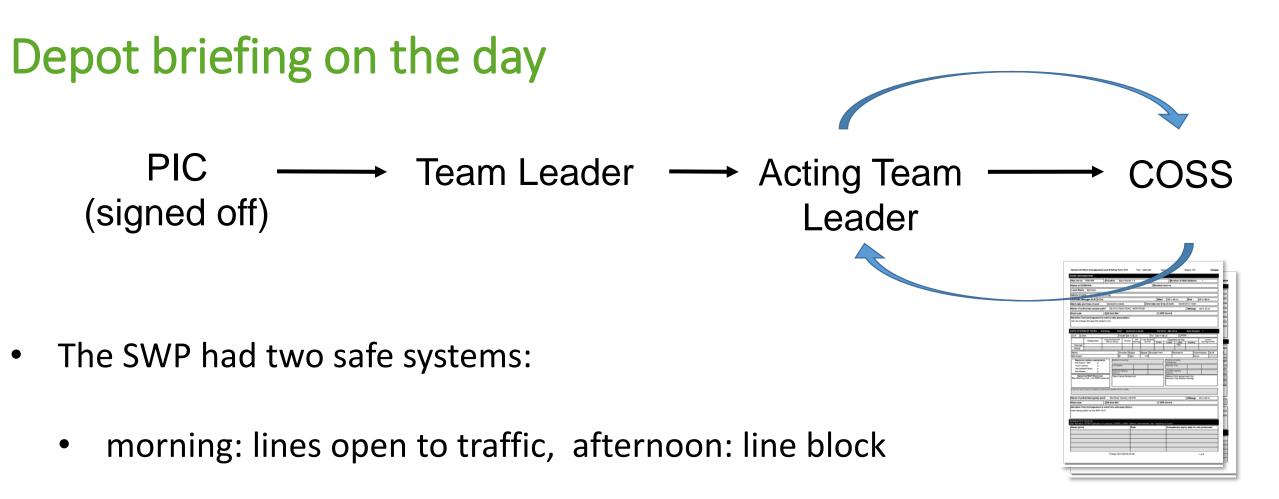




Safe work planning (Safety on or near the line – Standard 019)



A safe work pack (SWP) had been created for the work to be done that day



- There was no definition of which system to use for the different tasks
- An additional unplanned work task was briefed verbally that morning

08:00 to 08:50 hrs – Margam East Junction

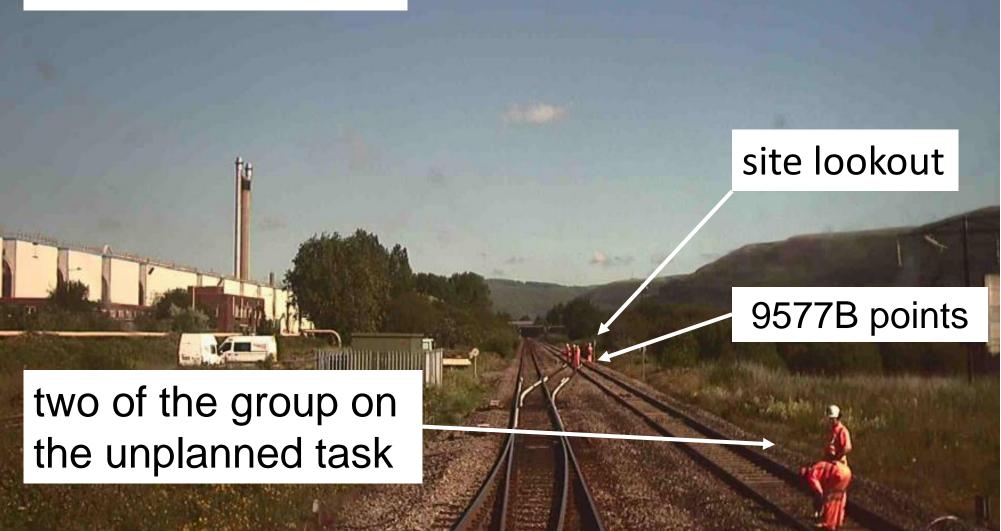


- The COSS planned to protect them from moving trains on the up main line
- A decision was later made, and accepted by all, not to use a distant lookout



By 09:30 hrs the group had split

view towards Port Talbot



09:45 hrs – the group met up and then split again



09:52 hrs – the approach of the train



09:52 hrs – the arrival of the train





The causes of the accident





The three were all unaware of the approaching

train until it was too late to move clear.

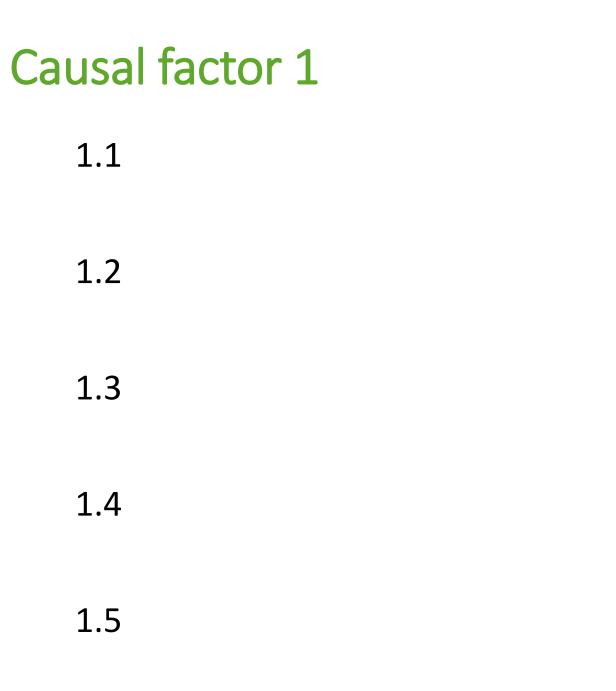




The three were on an open line while carrying

out an unnecessary maintenance activity.

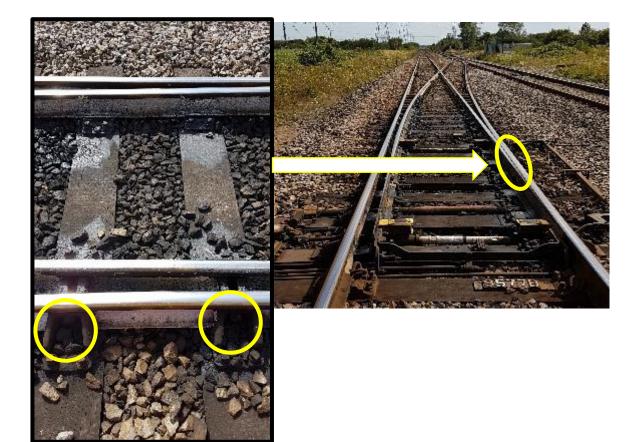






Causal factor 1

1.1 The work being undertaken at the time of the accident.

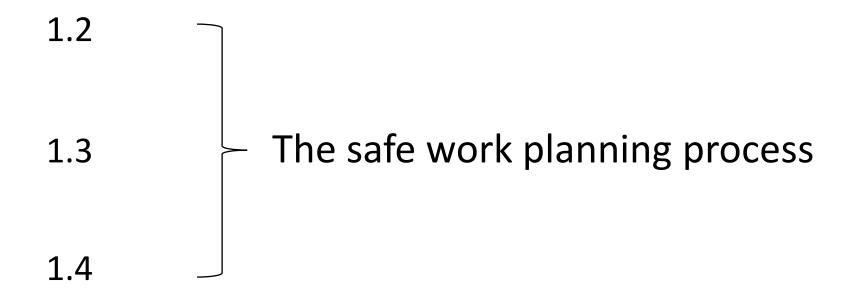


'unnecessary'



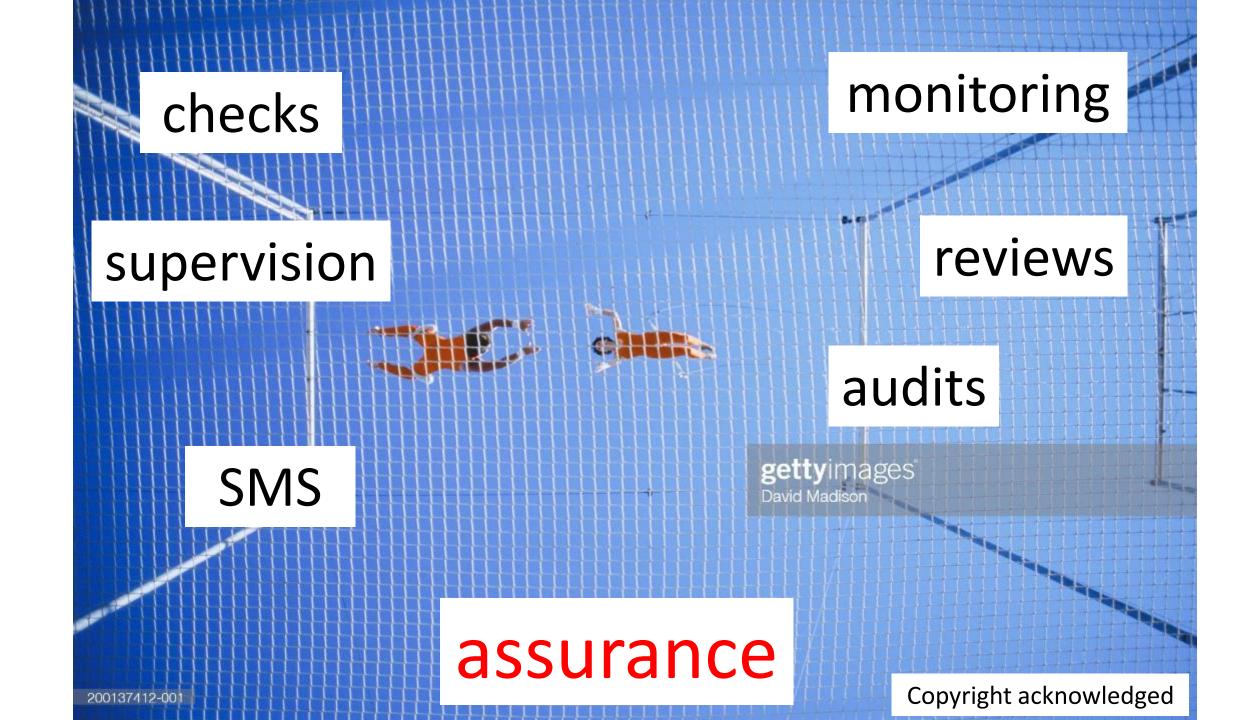
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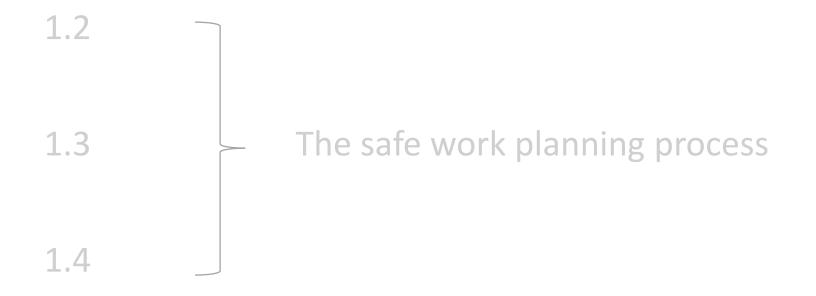






Causal factor 1

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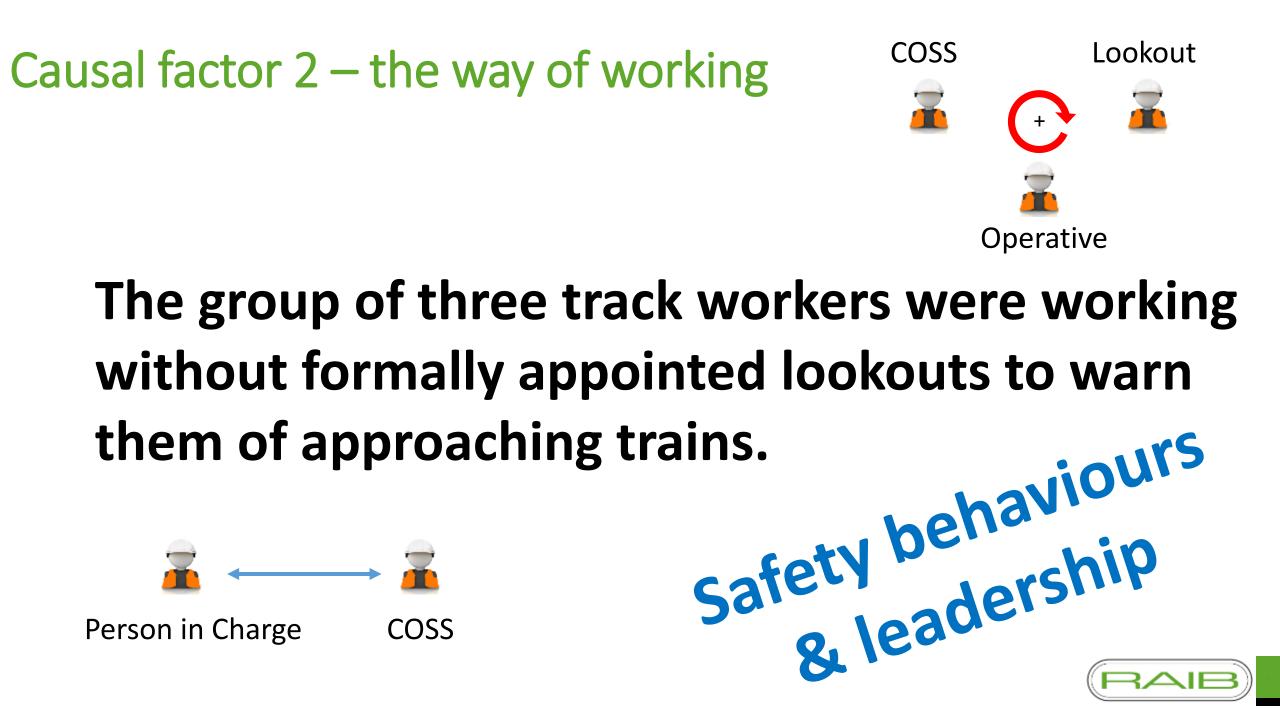


1.5 Familiarity of working on lines open to traffic.



Familiarity / experience

40 + 40 + 40 + 30 + 20 + 15 = 185



Causal factor 3 – the train's approach

The group of three track workers did not hear any warning of, or see, the train's approach.

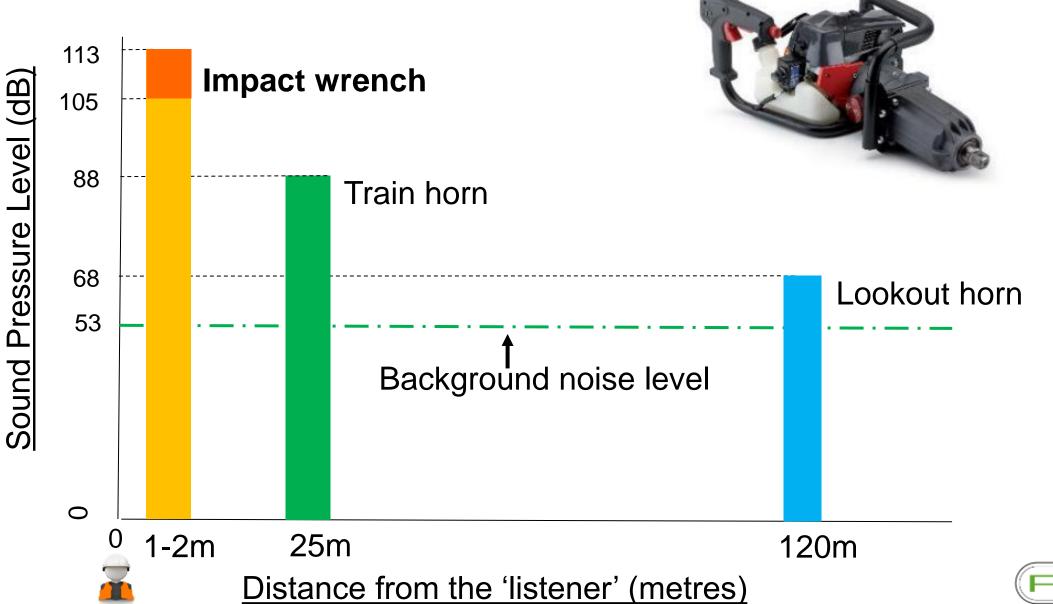


Port Talbot Deaths: Workers Killed On Railway Tracks Couldn't Hear Train As Wearing Ear Defenders

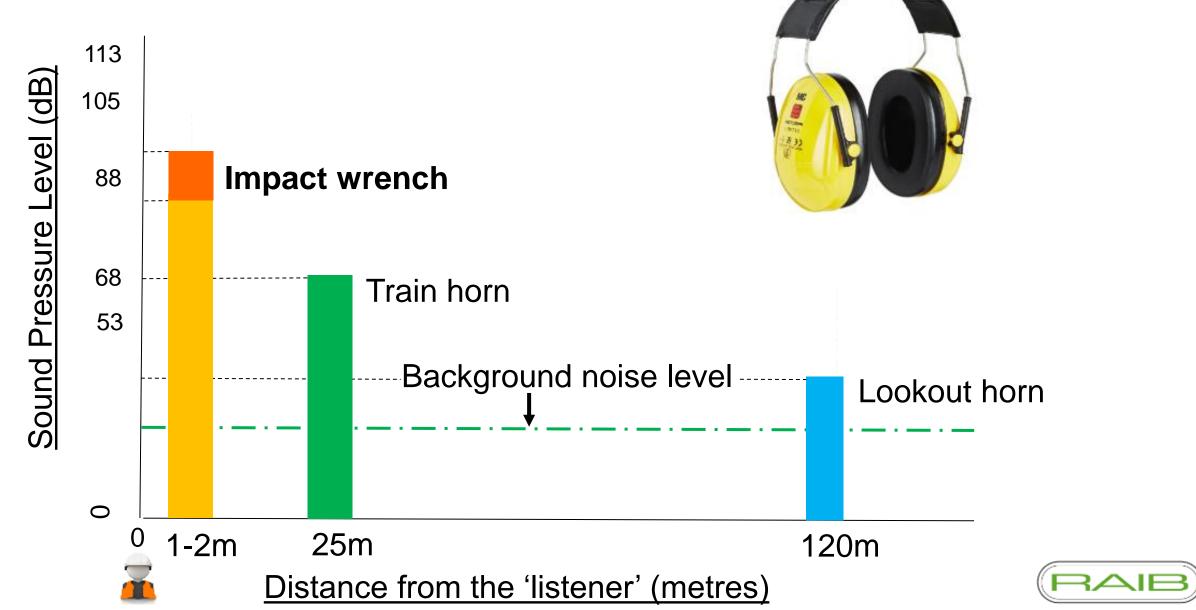
all too simple.....



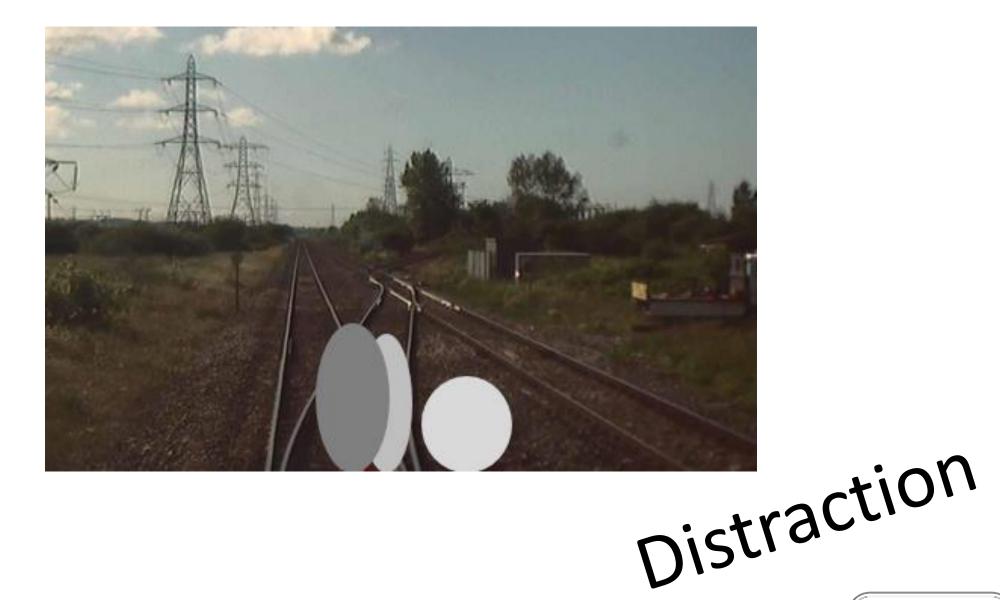
Audibility



Audibility







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Causal factor 4 – challenge

Once on site, no one challenged the system of work being used.

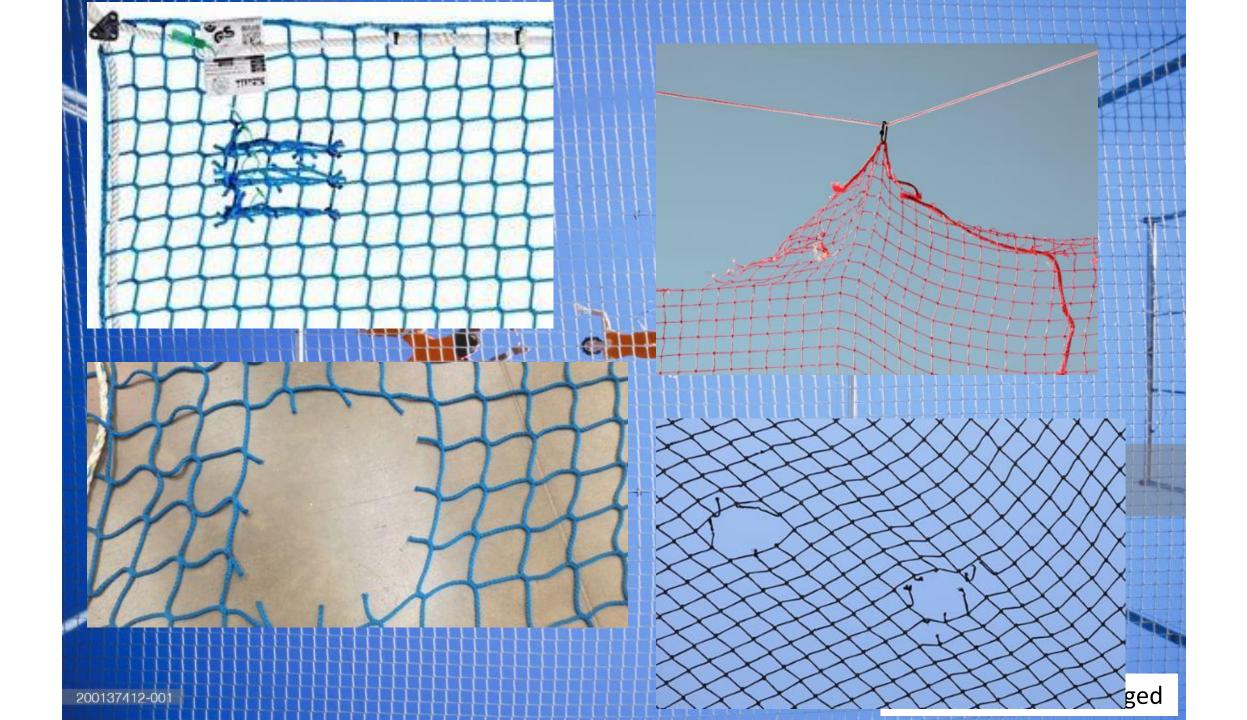


Causal factor 4 – challenge

4.1 The group attached considerable trust in the leadership of the team leader.

4.2 There had been some conflict concerning the SWP before work started in the morning, which may have affected behaviours during the work.







Thank you

