ORR protects the interests of rail and road users, improving the safety, value and performance of railways and roads today and in the future





Structure of Presentation

- Our long standing Vision and Goal.
- The Challenges Learning the Lessons from recent incidents including Croydon.
- The Focus for all parts of the sector going forward to continue the journey for the next ten years.



Our Vision and Goal

For 10 years we have had the same Vision and Goal for the GB Rail Sector

Vision

"Zero Industry caused fatalities and ever decreasing risk to passengers, the workforce and the public".

Through the Goal of:

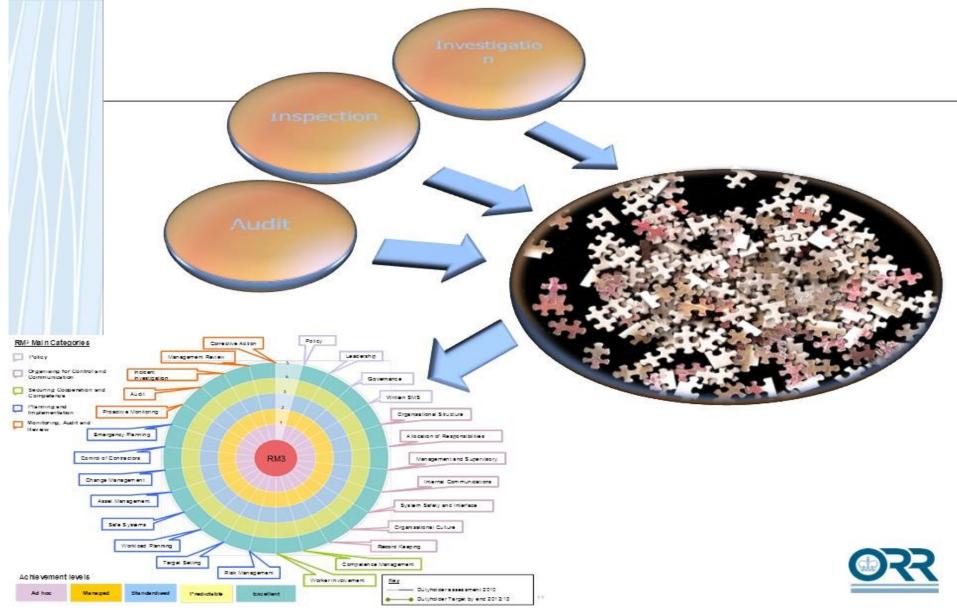
"Excellence in Health and Safety Management and Risk Control, measured through our RM3 Model".



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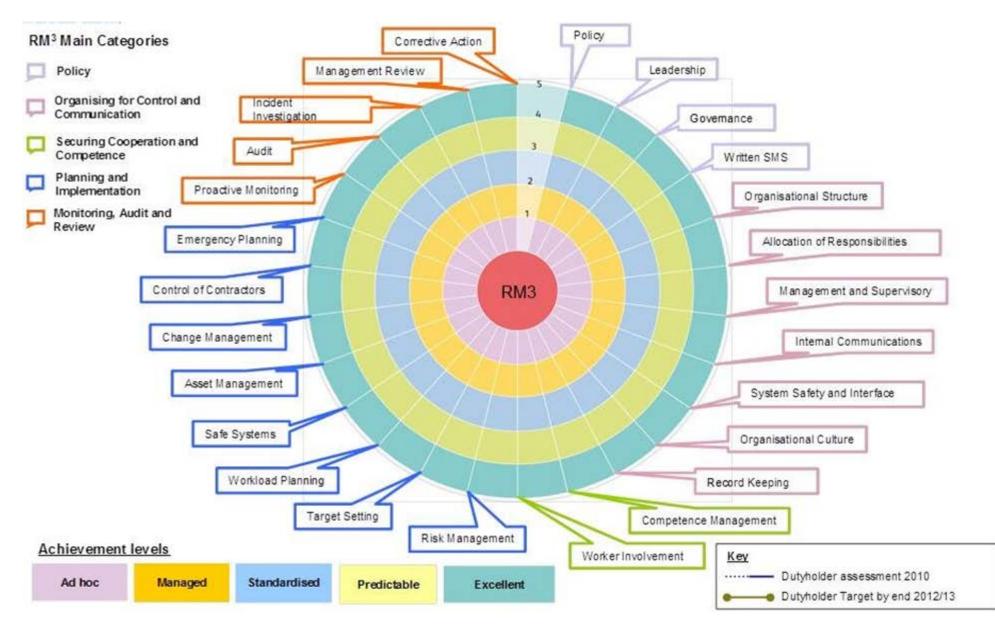


WHAT IS RM3? The Risk Management Maturity Model (RM3)





The Risk Management Model (RM3)





About a Conversation....

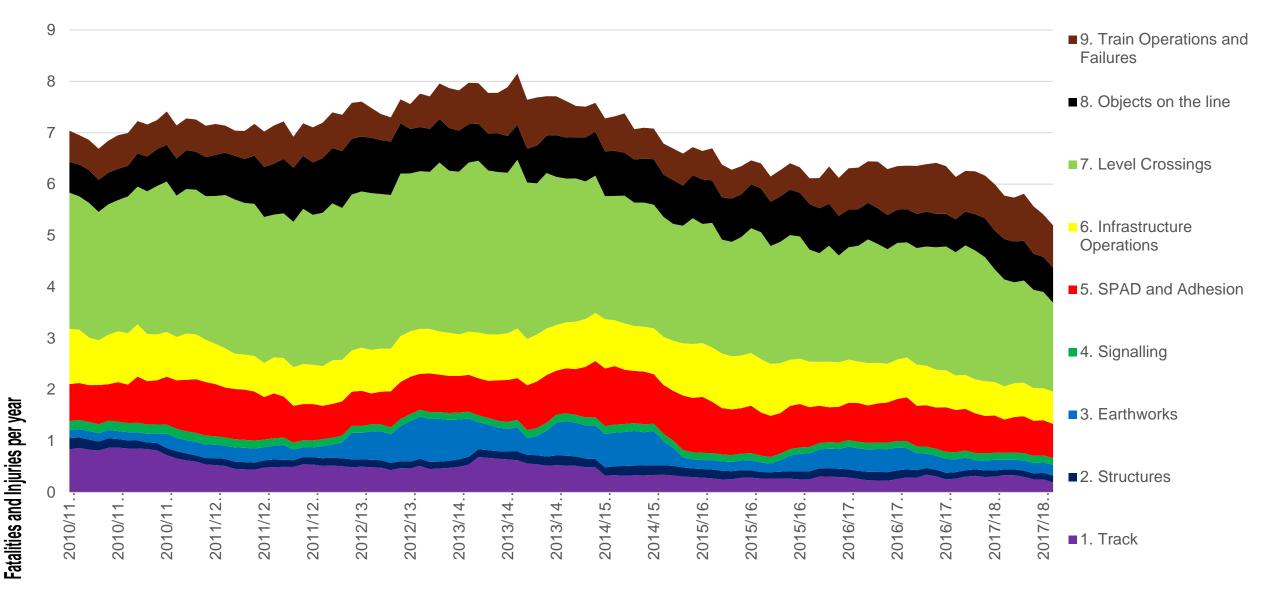




Learning the Lessons

- However, even as we see continuing improvement and fewer major events, we still learn, in particularly around, how to eliminate the very low frequency but high consequence event.
- We now have our Precursor Indicator Model at its lowest ever level and in one year 2015/16 achieved the Vision.

Precursor Indicator Model by Group





However....

Croydon





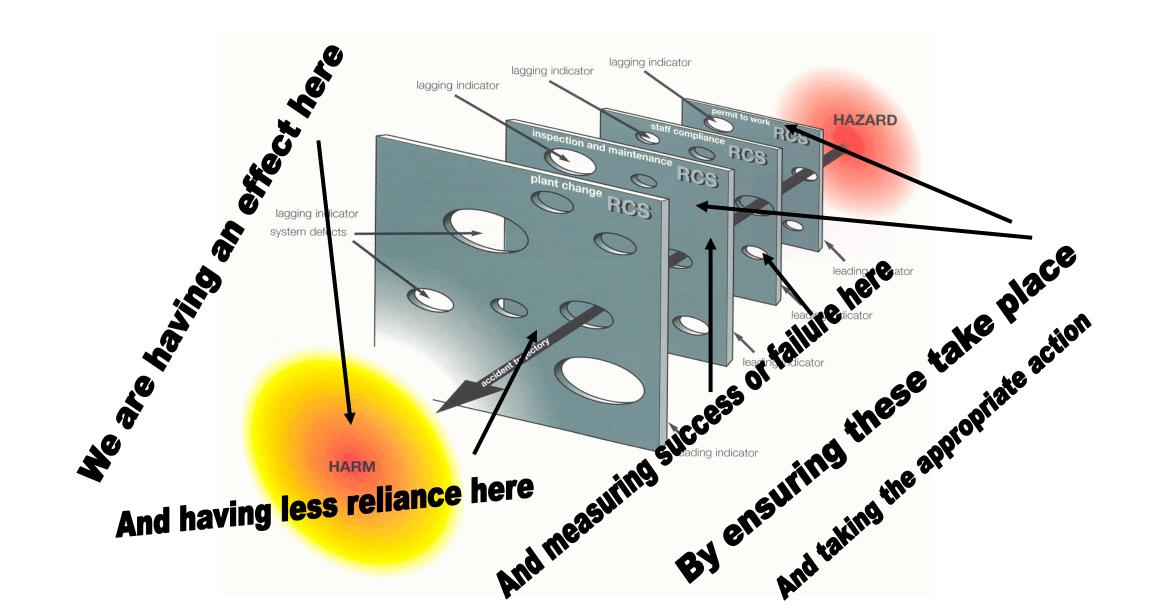




- Near misses for track workers in amongst trains and serious construction injuries.
- Major Infrastructure failures for Civils Age/Poor Weather.
- Public fatalities at the interface with the Railway (Level Crossings and Trespass).
- Issues in managing change and its impact on people.



Let's talk about cheese...





So what are some of the key challenges

The Human Factors

- They being the last line of defence
- Handling the modern world pace of life etc.
- Culture and behaviours



So what are some of the key challenges (2)

Technology

- Using technology developments to create the extra barrier, increased defence
- The need to take the human interaction into account, lots of developments ongoing
- Changing working practices
- Ensure the Human interface is right



So what are some of the key challenges (3)

Pressure on the System

- Lots of change with plenty of new equipment
- Increased traffic aging infrastructure
- Financial strains



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The Focus going forward

- **1. Human Factors**
 - Competency
 - Workload and environment (managing stress)
 - □ Fatigue management (inside and outside work)
 - □ The strengths and weaknesses of Human Intervention





The Focus going forward (2)

2. Technology

Creating the extra barrier



- Tools to help make the job safer and more efficient (eg IT tools, remote condition monitoring)
- □ Remove people away from harm, eg working in amongst trains!
- □ Improve performance reliability and predictability.



The Focus going forward (3)

3. Health and Culture

Communication from top to bottom "show you care"

- Mental Health
- □ Trust and a "Just" Culture
- □ A healthy workforce saves money.

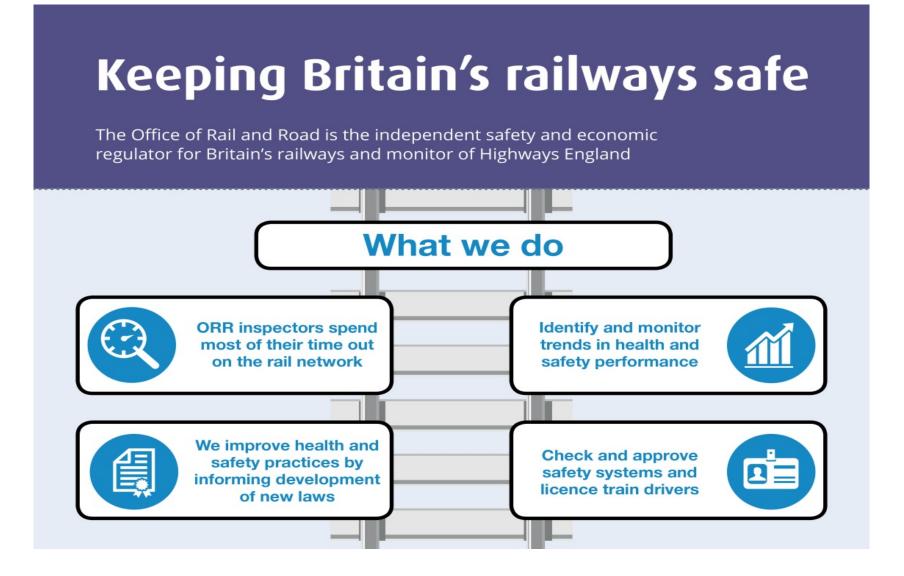


Conclusion

- It is all about managing risk of the complete system, designing the human interaction and safety into all we do.
- Measure how we are doing with RM3, as it is about driving for excellence in the key enablers in what we do.



Keeping Britain's railways safe

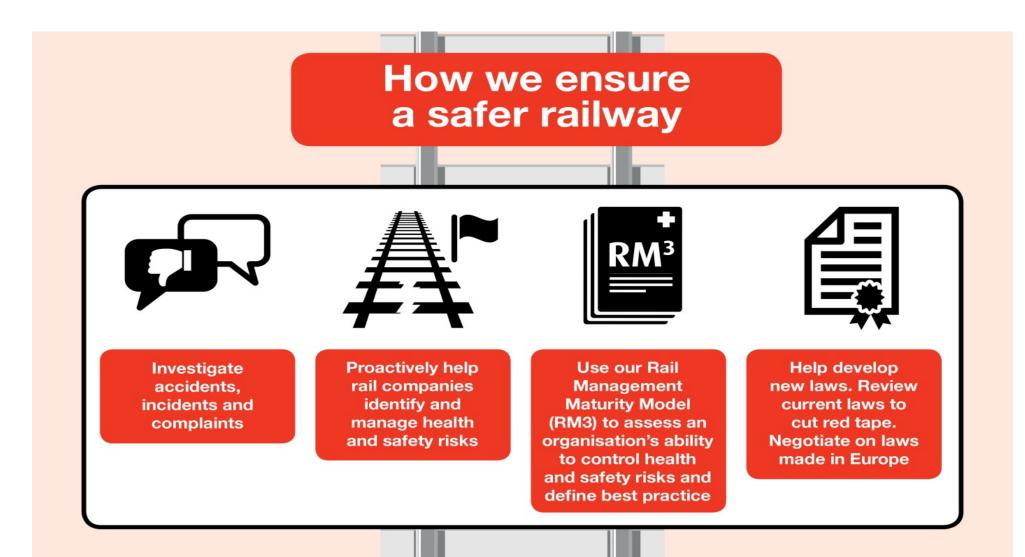


Who we regulate





How we ensure a safer railway





Inspection focus is on key safety themes



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Our aim is firm and fair enforcement of health and safety law and our inspectors take action in many ways





Moving health and safety forward

Moving health and safety forward

To meet the challenges of growth and change, our focus for industry is:



Take a proactive approach to managing health and safety



Treat worker health on a par with safety



Deliver a sustainable maintenance programme



Share innovation and best practice



Use opportunities at design stage to lower risks



Improve risk management maturity and ensure succession planning

