Human Factors and Human Behaviour in Safety Management and Accident Investigation



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• Safety culture









## **Overcoming hindsight bias**

- Assume people come to work to do a job, not to make an error
- Assume they were doing what seemed reasonable given the information they had at the time
- Report should answer why it seemed reasonable for people to do what they did















# Stage 1: Identifying errors/violations, HF and root causes

#### Question 1 – Classification

Was there an error or violation? The answer to this question will provide a broad categorisation of behaviour

Also it will direct strategies to prevent recurrence

#### Question 2 – Human Factors

What Human factors contributed to the error/violation occurring?

The answer to this question will require a micro-analysis of the event against the context of the immediate scene and sequence of events

#### Question 3 – Root causes

Why did these Human Factors exist in the first place?

The answer to this question will also provide numerous secondary questions and a macro-analysis of the event against the context of the wider organisation and potentially latent issues

































