

Asset Corrosion Management and the RBI Concept



Ali Morshed
Technical Leader

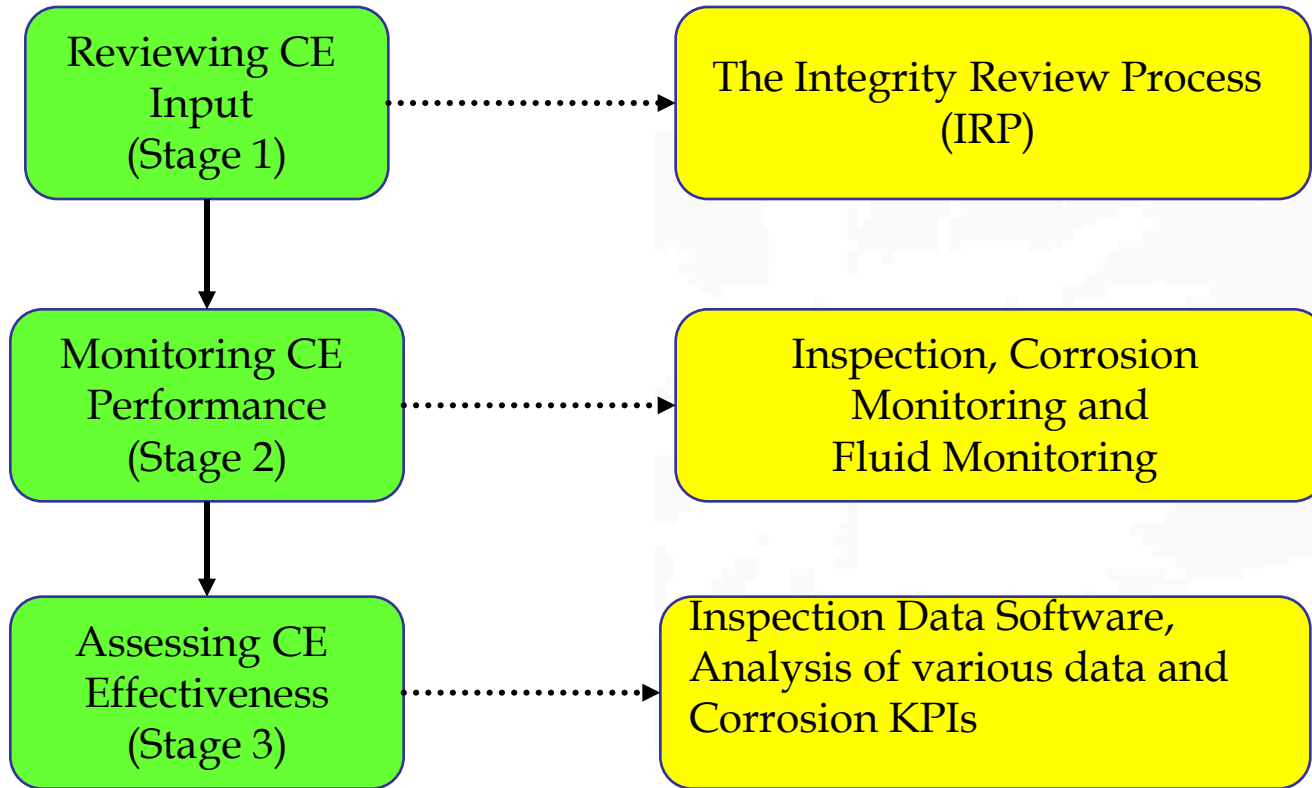
Production Services Network

NACE GB AGM – London 21/10/2009

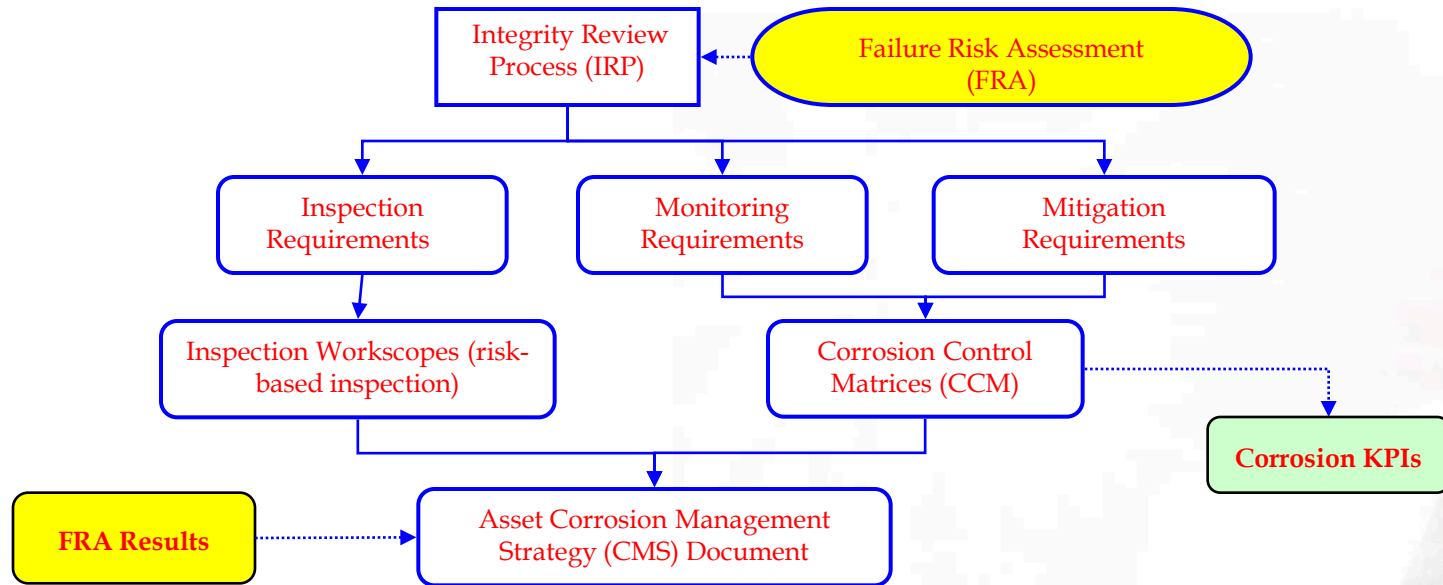
Definitions

- Corrosion Engineering (CE): The design and application of methods to mitigate corrosion. CE is more associated with the asset's design stage.
- Corrosion Management (CM): The process of reviewing the applied CE considerations, the regular monitoring of their performance and the assessment of their effectiveness post-commissioning. CM is closely associated with the asset's post-commissioning or operational stage.

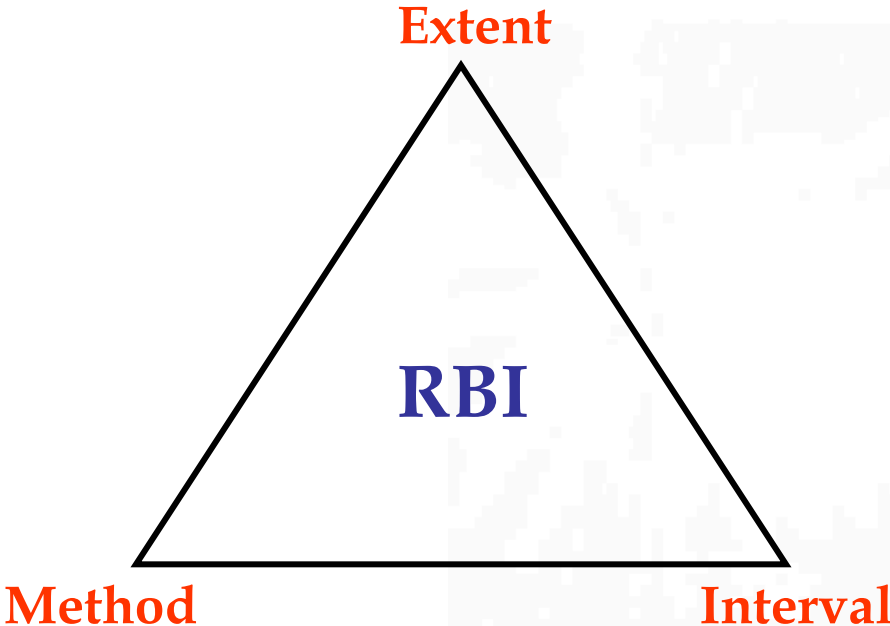
The Corrosion Management Scope



Where Does it Start?



IRP Outcome Number One: RBI



The RBI Concept: The Beginning of Confusions

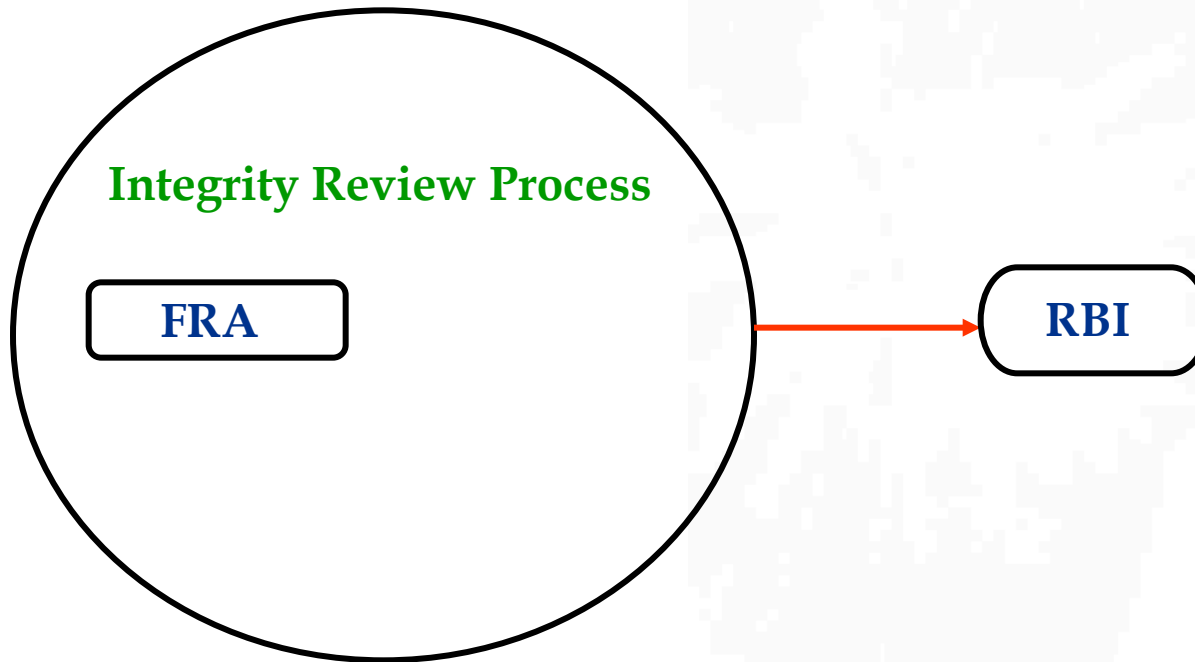
- The elusive nature of the RBI concept
- RBI: A process or a product?
- The most common abuses
- The current misunderstandings (e.g. Pipeline Applications)
- RBI and the English Grammar (Risk-based or Risk Based Inspection)
- The recommended definition

The Recommended RBI Definition

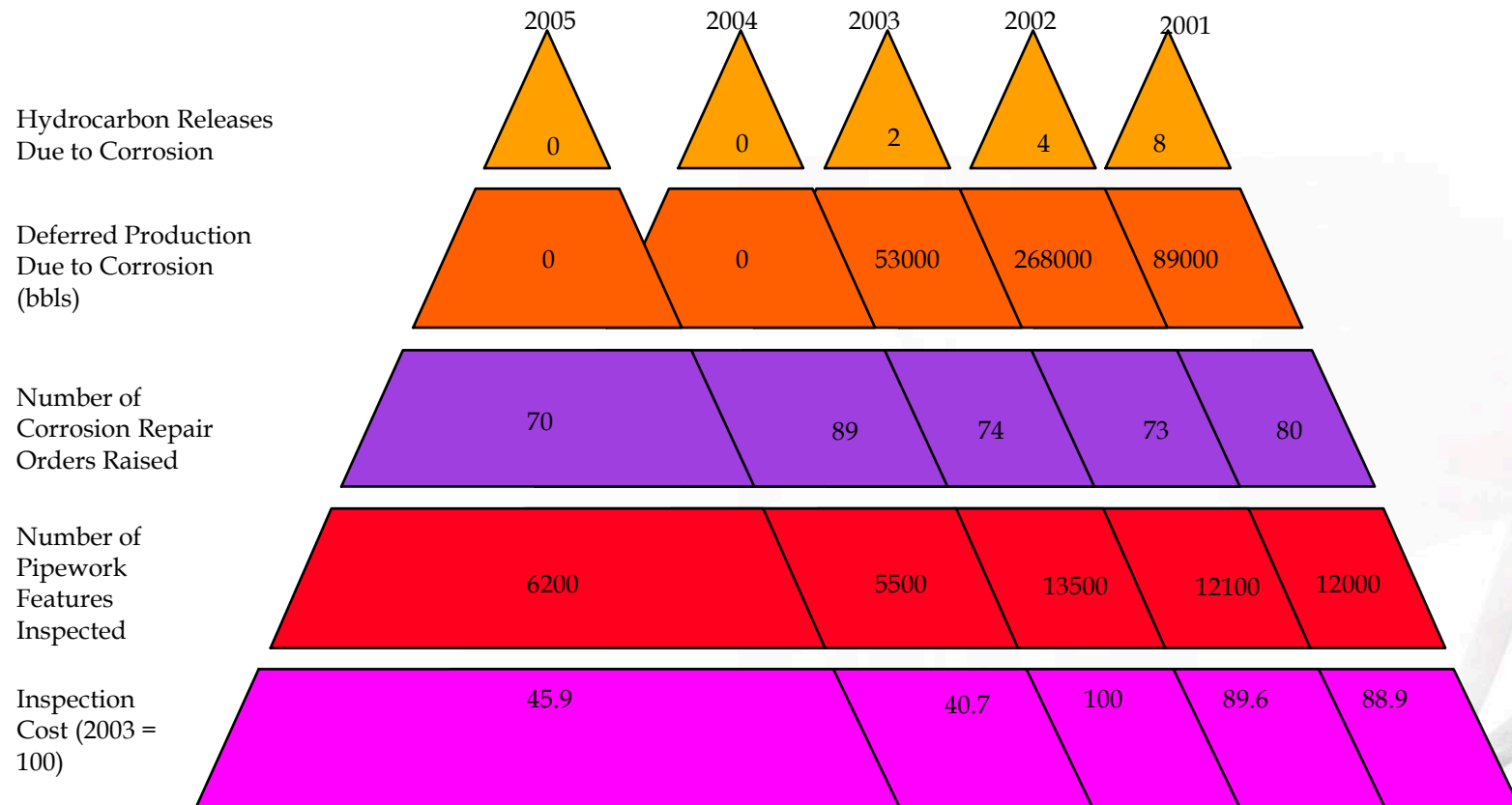
- **Risk-Based Inspection:** The means by which the concept of risk can be used to focus inspections on the components that need it most.

RBI Overview

- RBI is a 'Product' not a 'Process'



Benefits of an RBI Application



Conclusions

- RBI is a 'product' and not a 'process'
- Integrity Review is the process which produces the RBI
- RBI applications will improve safety and enhance uptime
- RBI applications can save time and money

Thank you!

Any questions?

I very much appreciate if you email me your feedback regarding this presentation.

ali.morshed@psnworld.com

01224 777 188