# Simplifying the Management of Critical Controls

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## ABSTRACT

The identification of Material Risks, their Critical Controls, and the processes to put in place to manage them is difficult at best.

Answering the following types of questions is challenging - what are our Material Risks? What is a Bowtie? Do I need a Bowtie? What are our Critical Controls? What is the definition of a Critical Control? How do I ensure our Critical Controls are effective? Who is responsible for managing Critical Controls? What does it mean if a Critical Control is not effective? How do you measure the effectiveness of a Critical Control?

Managing Critical Controls should not be complex. There should be a simple, objective process to identify, implement, and monitor Critical Controls. The purpose of this practical session is to walk participants through this management process using their own organisations risk information to enable understanding.

Every organisation should be aware of their material risks and understand what their Critical Controls are, unfortunately;

- There are few examples provided to industry on successfully implementing a critical control management program - this session will provide this information.
- The process suggested by the International Council on Mining & Metals (ICMM) in our view does not provide sufficient detail. This session will complement the ICMM guidance information by covering these ‘missing’ details.

The key ‘take aways’ from this session will be;

- Clarity on how to interpret a Bowtie Analysis
- Understanding of the definition of a Critical Control and whether the listeners 'own' Critical Controls are compliant
- Understanding of a Performance Standard and its key elements such as; Objective, Functionality, Availability, Reliability, Survivability, Dependency, Redundancy, Failure Modes, Verification activities
- Where, and how, the process of Critical Controls Management can fail
- Understanding of how to integrate Critical Controls Management into the Safety and Health Management System