

Root Cause - X-Ray Accident / Incident Analysis

INTENT

To establish proactive thinking and analysis of serious incidents in the workplace, through techniques of root cause analysis.

APPROACH

The approach is to conduct several training courses throughout the company, focusing on theory of root cause analysis, experimentation and practical application.

DEPLOYMENT

Root cause analysis is defined as a structured process of identifying basic failures, conditions and contributing factors. This leads to the removal and/or correction of 'less than adequate' conditions, systems, organizational and individual factors so as to prevent future occurrences that can cause accidents / incidents. The key element in the process is the identification of "the what and the why" and the corrective measures that need to be implemented.

The goal is to train a designated group in the X-Ray process that is going to be utilized for accident investigations. During the course, attendees will be trained to facilitate the investigation process and to transfer the knowledge and skills to other applicable levels in the organization.

CONTENT

The course material covers the following:

- Concerns/current deficiencies
- Root Cause analysis defined
- Gathering/organizing information
- Identify and analyze the hazards
- Identify and analyze the barriers
- Identify and analyze the factors
- Corrective and preventive measures
- Report writing

A Root Cause Analysis process will be triggered if a site/project experiences a high potential or serious event. A small team of trained specialists in the X-Ray methodology conducts a thorough investigation and gives feedback to management, including key recommendations.

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