

# Mechanical Integrity

How to comply with CalArp requirements

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- ## Getting Started
- ☞ People : Make sure you have the correct people
    - ☞ Management
    - ☞ Subject matter expert
    - ☞ Maintenance
    - ☞ Operators
    - ☞ Engineering
    - ☞ CUPA

## CALARP Definition

Mechanical integrity as the process of ensuring process equipment is fabricated from the proper materials and is properly installed, maintained and replaced to prevent failures and accidental releases.


- ## Process
- ☞ Process : With the right people in place, you can begin to build a MI process to ensure compliance.
    - ☞ Training Requirements
    - ☞ Define Covered Process
    - ☞ Best Practice
    - ☞ Outline of Compliance Requirements that Apply to You

## How to succeed

Achieving success in mechanical integrity compliance requires a shift in the organizational philosophy for most organizations. While the traditional view of MI compliance is seen as the execution of a group of separate activities, in reality, it's a management system that includes people, processes and technology.

## Technology

- ☞ Technology - With people and process in place, you can begin to assess which industry solution will best facilitate and enforce your MI work process.



## Do what You Say

- ☞ Don't over complicate the process
  - ☞ Keep it simple
- ☞ Use your existing maintenance system
  - ☞ Make your MI program an extension of your regular maintenance practices



## Tracking

- ☞ Develop a tracking method
  - ☞ Tracking should include Audit Findings, Training & Regulatory Inspection Findings

Work Type	Assigned to	Target date	Completion date	Brief Description of work	Notes As of 12/2/13	Footnotes	Work Request Status
							Due in the next 30 days
							Completed
							77
							In Progress
							5
							Overdue
							6
							No Activity
							68
							Total
							143

## The Importance of MI

☞ <http://www.csb.gov/videos/anatomy-of-a-disaster>



## Review

- ☞ Set up regular reviews
- ☞ Review progress with management at least quarterly
- ☞ Request monthly progress updates
  - ☞ This will help keep a focus on the program

## Check the Pulse



## Update

- ☞ Set new goals
- ☞ Keep improving the process
- ☞ Stay focused on compliance
  - ☞ Program Level 1 is not exempt under the General Duty Clause

## Celebrate



- ☞ Take time to acknowledge milestones or accomplishments
- ☞ Recognize the efforts to keep the program going
  - ☞ Don't forget to say "Thank You"

## Questions

