



The Aladon Network
THINK AHEAD

Risk Based Inspection (RBI3™)

RBI3™

RBI is a risk assessment and management tool that addresses an area of risk management not completely addressed in other organizational risk management efforts such as process hazards analyses (PHA), IOWs or Reliability Centered Maintenance (RCM). The RBI process is focused on maintaining the mechanical integrity of pressure equipment items and minimizing the risk of loss of containment due to deterioration while the RCM process is used to determine the maintenance requirements of any physical asset in its operating context.

RBI3 is a “zero-base” approach for assisting reliability engineers to manage and address risks related to unanticipated failures of static equipment, i.e. pipes, tanks, valve bodies, pump and compressor housings and pressure vessels. RBI3 is fully integrated with our other risk based approaches: Condition Assessment, RCM3 and RCFA. In simple terms, if you use one, you should use the other...

RBI is fully integrated with RCM3 and extends reliability thinking to include risk based solutions for every asset in your organization. RBI3 places reliability and asset integrity mainstream with organizations’ risk management systems and policies. Furthermore, our methodologies underpin API 580 and the International Standards for Physical Asset Management (ISO 55000), Risk Management (ISO 31000), Life-cycle costing techniques (ISO 15663: Part 1) and Production-assurance (ISO 20815).

The principal benefits of using Aladon’s approach are:

- Single integrated solution for all the assets on site
- Support international standards and regulations
- Increased reliability and asset integrity
- Improved compliance
- Lower risk of critical equipment not being covered by RCM or RBI
- Consistent approach - common language and common set of values
- Less time to analyze and assess equipment reliability and integrity
- No duplication or omission of critical assets
- Improved safety and environmental integrity
- Reduce costs of ownership

Training and Services

- 2-3 Hour Executive Overview
- 1-Day Introductory Course (Delegates must have attended the RCM3 Introductory Course)
- 5-Day Advanced Training and Mentoring for RBI Reliability Engineers (this is not a certification program)

Who Should Attend?

- Reliability Engineers
- Supervisors
- Planners
- Technicians
- RBI Inspectors

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