

Mastering ICAM Incident Investigation: Lead Investigator Exam Prep Training Course

AGILE LEADERS
Training Center

AGILE LEADERS
Training Center

Mastering ICAM Incident Investigation: Lead Investigator Exam Prep Training Course

Course Overview:

The course is a high-impact program tailored for professionals aiming to elevate their expertise in ICAM training, safety investigation, and root cause analysis. Anchored in the industry-standard ICAM methodology and grounded in WHS compliance and OH&S training requirements, this course empowers learners with the knowledge and confidence to become certified lead investigators. Through a structured, step-by-step incident investigation training approach, participants will learn how to conduct workplace incident investigations, analyze high-potential incidents, utilize the 5 Whys technique, and apply root cause analysis across various sectors, including mining and industrial environments. The course uses workplace safety case studies and incident investigation laws and regulations to teach organizational safety failure analysis and effective reporting. Participants will engage with legal requirements for incident reporting, safety auditing, and risk assessment as part of a broader safety management system investigator training. This ICAM lead investigator certification course ensures that professionals are prepared with tools, insights, and proven techniques to support incident response and drive continuous improvement in workplace safety outcomes.

Target Audience:

- WHS/OH&S Officers
- Safety Inspectors and Auditors
- Incident Investigators
- Risk & Compliance Managers
- Mine and Construction Safety Personnel
- Plant Supervisors and Team Leaders

Targeted Organizational Departments:

- Workplace Health and Safety WHS
- Operations and Compliance
- Human Resources and Training
- Risk Management
- Mining and Industrial Safety
- Emergency Response Teams

AGILE LEADERS
Training Center

Targeted Industries:

- Mining and Quarrying
- Oil and Gas
- Manufacturing and Industrial Plants
- Construction and Civil Engineering
- Government and Regulatory Bodies
- Transportation and Logistics

Course Offerings:

By the end of this course, participants will be able to:

- Conduct thorough workplace injury investigation using ICAM methodology
- Apply legal requirements for incident reporting in compliance with WHS laws
- Analyze incidents using 5 Whys and incident trees
- Identify human error patterns and organizational safety failures
- Collect, organize, and analyze workplace incident data
- Prepare professional reports and recommendations using standardized ICAM analysis tools
- Preserve incident sites and conduct risk assessments
- Understand advanced accident causation theory and root cause analysis
- Navigate WHS investigation procedures and legal compliance measures

Training Methodology:

The training methodology for this course is designed to be fully immersive and practical. Participants will engage in instructor-led workshops, ICAM investigation simulations, and safety auditing group tasks. Using case studies from real-life workplace incidents, learners will apply advanced accident causation theory and human error analysis to derive root causes. Interactive sessions on ICAM event charting, risk assessment, and WHS compliance tools ensure that theoretical knowledge is paired with actionable skills. In addition, peer reviews and feedback loops are integrated into the sessions to enhance learning retention. The course includes structured group discussions, critical incident walkthroughs, and the use of an incident investigation checklist to reinforce safety investigation practices. All activities are aligned with the ICAM lead investigator certification course standards and incident investigation laws and regulations.

Course Toolbox:

- Incident Investigation Checklists templates and samples
- ICAM Event Charting Examples
- 5 Whys and Incident Tree Templates
- Case Studies from Mining and Industrial Sectors
- WHS Legislative Summary and Guidelines
- Safety Reporting Templates example formats
- Investigation Report Writing Samples

AGILE LEADERS
Training Center

Course Agenda:

Day 1: Foundations of Incident Investigation

- **Topic 1:** Introduction to ICAM methodology and workplace safety frameworks
- **Topic 2:** Legal requirements under WHS/OH&S and Mining Safety Acts
- **Topic 3:** Understanding common law duty of care and PCBU responsibilities
- **Topic 4:** Incident types, severity classification, and statutory reporting requirements
- **Topic 5:** Incident site preservation and notification protocols
- **Topic 6:** Incident response policies, roles, and emergency actions
- **Reflection & Review:** Identifying jurisdiction-specific legal duties in your workplace

Day 2: Policies, Procedures, and Causation Theory

- **Topic 1:** Incident notification processes and site preservation techniques
- **Topic 2:** Actual vs. potential injuries and hazard classification models
- **Topic 3:** Categories and codes of incidents e.g., mechanical, biological, psychological
- **Topic 4:** Ensuring integrity of incident site and non-disturbance notices
- **Topic 5:** Introduction to accident causation theory and historical models
- **Topic 6:** Heinrich's Domino Theory and Bird & Germain's Loss Causation model
- **Reflection & Review:** Case study analysis of historical incident causation models

Day 3: Human Error and ICAM Elements

- **Topic 1:** Human error theory and classification of unsafe acts
- **Topic 2:** Types of error: slips, lapses, mistakes, and violations
- **Topic 3:** ICAM model components: individual, task, environmental, organizational
- **Topic 4:** Data collection from people, environment, equipment, and procedures
- **Topic 5:** Organisational factors in incident analysis and system failures
- **Topic 6:** Validating ICAM findings with stakeholder interviews
- **Reflection & Review:** Simulated investigation exercise applying ICAM elements

AGILE LEADERS
Training Center

Day 4: Analytical Tools and Charting Techniques

- **Topic 1:** Introduction to event and condition charting
- **Topic 2:** Root cause identification using the 5 Whys technique
- **Topic 3:** Building incident trees for systemic failure analysis
- **Topic 4:** Absent/failed defenses and task/environmental conditions
- **Topic 5:** Coding ICAM data and integrating analysis results
- **Topic 6:** Using ICAM to identify corrective actions and recommendations
- **Reflection & Review:** Workshop: Develop a chart and coding for a real case study

Day 5: Investigation Reporting and Certification

- **Topic 1:** Report writing best practices and ICAM report structure
- **Topic 2:** Developing actionable recommendations and closing reports
- **Topic 3:** Delivering findings to stakeholders and senior leadership
- **Topic 4:** Quality review of incident investigation outcomes
- **Topic 5:** Ethical considerations and lead investigator responsibilities
- **Topic 6:** Certification assessment and role-play simulation
- **Reflection & Review:** Present final project: full ICAM investigation lifecycle

FAQ:

What specific qualifications or prerequisites are needed for participants before enrolling in the course?

There are no strict prerequisites. However, a background in safety, compliance, operations, or engineering will enhance the learning experience.

How long is each day's session, and is there a total number of hours required for the entire course?

Each day's session is generally structured to last around 4-5 hours, with breaks and interactive activities included. The total course duration spans one week, approximately 20-25 hours of instruction.

What is the difference between ICAM and traditional incident investigation methods?

ICAM Incident Cause Analysis Method provides a systemic approach by focusing on organizational, task, environmental, and individual factors. Traditional models often emphasize human error only. ICAM is more holistic and defensible, especially in high-risk industries like mining and construction.

AGILE LEADERS
Training Center

How This Course is Different from Other Mastering ICAM Incident Investigation: Lead Investigator Certification Training Course Courses:

This course integrates legal, procedural, and analytical elements directly aligned with real-world compliance standards such as WHS and OH&S laws. Unlike generic safety investigation courses, "Mastering ICAM Incident Investigation: Lead Investigator Certification Training Course" incorporates comprehensive ICAM training, workplace incident data collection, and incident analysis tools. The course is enriched with high-potential incident analysis training and workplace hazard reporting examples from actual regulatory frameworks. Moreover, the ICAM process step-by-step certification structure ensures practical readiness, not just conceptual understanding. This makes it highly relevant for professionals tasked with serious incident root cause investigation, mining incident investigation, and industrial safety compliance. Participants not only gain certification but leave equipped with actionable templates, reporting insights, and a defensible investigation methodology.

AGILE LEADERS
Training Center

Training Course Categories

- Agile PM and Project Management Training Courses
- Agribusiness & Food Security Training Courses
- Aviation Management and Operations Training Courses
- Certified Courses By International Bodies
- Communication and Public Relations Training Courses
- Crisis Management and Business Continuity Training Courses
- Data Analytics Training and Data Science Courses
- Digital Government & Public Service Training Courses
- Education and Learning Development Training Courses
- Environment & Sustainability Training Courses
- Facilities and Real Estate Training Courses
- Finance and Accounting Training Courses
- Governance, Risk and Compliance Training Courses
- Healthcare Management Training Courses
- Heritage Conservation and Museum Management Training Courses
- Hospitality and Tourism Training Courses
- Human Resources Training and Development Courses
- IT Security Training & IT Training Courses
- Leadership and Management Training Courses
- Legal Training, Procurement and Contracting Courses
- Maintenance Training and Engineering Training Courses
- Marketing, Customer Relations, and Sales Courses
- NGO, Humanitarian and Development Management Training Courses
- Occupational Health, Safety and Security Training Courses
- Oil & Gas Training and Other Technical Courses
- Personal & Self-Development Training Courses

AGILE LEADERS
Training Center

Training Course Categories

- Quality and Operations Management Training Courses
- Secretarial and Administration Training Courses
- Shipping, Maritime and Ports Training Courses

AGILE LEADERS
Training Center

Training Cities

Abu Dhabi UAE	**Accra** Ghana	**Addis Ababa** Ethiopia
Amman Jordan	**Amsterdam** Netherlands	**Athens** Greece
Baku Azerbaijan	**Bali** Indonesia	**Bangkok** Thailand
Barcelona Spain	**Berlin** Germany	**Cairo** Egypt
Cape town South Africa	**Casablanca** Morocco	**Chicago** USA
Doha Qatar	**Dubai** UAE	**Frankfurt** Germany
Geneva Switzerland	**Istanbul** Turkey	**Jakarta** Indonesia
Johannesburg South Africa	**Kuala Lumpur** Malaysia	**Kuwait** Kuwait
Lagos Nigeria	**Langkawi** Malaysia	**Lisbon** Portugal
London UK	**Madrid** Spain	**Manama** Bahrain
Marbella Spain	**Milan** Italy	**Montreux** Switzerland
Munich Germany	**Muscat** Oman	**Nairobi** Kenya

AGILE LEADERS
Training Center

Training Cities

New York USA	**Nice** France	**Paris** France
Phuket Thailand	**Port Louis** Mauritius	**Porto** Portugal
Prague Czech Republic	**Rome** Italy	**San Diego** USA
Seoul South Korea	**Sharm El-Sheikh** Egypt	**Singapore** Singapore
Tashkent Uzbekistan	**Tbilisi** Georgia	**Tokyo** Japan
Toronto Canada	**Trabzon** Turkey	**Vienna** Austria
Zanzibar Tanzania	**Zoom** Online Training	**Zurich** Switzerland