

CHARTERED 
INSTITUTE OF PROFESSIONAL CERTIFICATIONS



CERTIFIED AUSTRALIA DANGEROUS GOODS REGULATIONS AND COMPLIANCE

**Fully Accredited
By:**

Chartered Institute of
Professional Certifications

CPD
Certification Service

PROGRAM OVERVIEW

Australia transports roughly 4.3% of all freight as dangerous goods, yet these shipments account for around over 100 serious injuries each year. **High-profile incidents**, such as the 2021 hydrochloric acid leak at the Port of Brisbane, highlight that even experienced operators are not immune from severe legal, financial, and reputational fallout when ADG Code and WHS obligations are breached. **As supply chains grow more complex and regulatory scrutiny intensifies**, the margin for error in dangerous goods operations has become narrower than ever—making compliance and proactive risk management absolutely critical.

This certified training program will equip you with advanced knowledge and hands-on expertise to confidently navigate the complexities of Australia's Dangerous Goods (DG) regulatory landscape. You will gain a thorough understanding of your legal obligations under the **Australian Dangerous Goods (ADG) Code, the Work Health and Safety (WHS) Regulations, and state-specific Dangerous Goods Acts and regulations**. Beyond the domestic framework, the program also covers **critical international standards** that shape compliance, including the United Nations Recommendations on the Transport of Dangerous Goods (UNRTDG), the International Maritime Dangerous Goods (IMDG) Code, and the International Air Transport Association (IATA) Dangerous Goods Regulations.

This program will provide you with the practical **technical skills required to manage every aspect of DG compliance**—covering classification, packaging, labeling, marking, documentation, and storage in line with the latest national and international standards. You will master the procedures for **accurately classifying dangerous goods across the 9 classes** and their divisions, applying the Globally Harmonized System (GHS) for hazard communication, and referencing key Australian Standards.

ACCREDITATIONS



4.8



4.6



PROGRAM OVERVIEW

Participants will also develop advanced competencies in **packaging selection, transport documentation such as Safety Data Sheets (SDS) and Dangerous Goods Declarations**, and vehicle, tank, and container placarding and marking requirements. Technical modules will cover **storage and segregation principles, facility design requirements, licensing obligations, and compliance with environmental protection regulations**. You will also gain proficiency in **emergency response planning**, spill management, fire protection systems, and reporting obligations to regulators, including alignment with SafeWork Australia and state-based competent authorities. Special emphasis will be placed on **integrating compliance into supply chain operations**, ensuring that participants can effectively manage DG across multimodal transport (road, rail, sea, and air) while meeting both domestic and cross-border requirements.

Upon successfully completing the program, you will earn the **Certification in Australia Dangerous Goods Regulations and Compliance**, validating your ability to design, implement, and sustain compliant DG management systems within Australia's rigorous regulatory environment. Globally recognized and valid for life, this credential enhances your professional credibility and demonstrates your readiness to lead safety, compliance, and operational excellence across transport, logistics, warehousing, ports, and industrial sectors.

ACCREDITATIONS



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KEY SKILLS YOU WILL GAIN

From This Program



DANGEROUS GOODS CLASSIFICATION & IDENTIFICATION
ADG CODE COMPLIANCE
WHS & CHAIN OF RESPONSIBILITY NAVIGATION

HAZARD & RISK ASSESSMENT FOR DG
DG PACKAGING & STORAGE STANDARDS
SAFETY CULTURE IN DG OPERATIONS
REGULATORY & AUDIT COMPLIANCE

INTERNAL SAFETY AUDIT EXECUTION
DG SEGREGATION & COMPATIBILITY CONTROL
DATA-DRIVEN RISK DECISIONS
TRANSPORT DOCUMENTATION ACCURACY

DG HANDLING PLAN DEVELOPMENT
EMERGENCY RESPONSE & SPILL MANAGEMENT
ROOT CAUSE ANALYSIS FOR INCIDENTS
SAFETY COMMUNICATION & REPORTING
COMPLIANCE DOCUMENTATION MANAGEMENT

PREDICTIVE RISK ANALYSIS FOR DG
SUPPLIER & CONTRACTOR VERIFICATION

YOUR FACULTY DIRECTOR



James Gardiner

Distinguished DG Safety Trainer and Certified ADG Code
Lead Auditor

James Gardiner brings over 35 years of international expertise in dangerous goods compliance, marine engineering, and the handling of liquid and gas cargoes. Widely recognised as a distinguished authority in handling dangerous goods, he has advised on **regulatory compliance, safety management, and incident prevention across Australia, the United States, Europe, and Southeast Asia**. His career reflects deep technical knowledge in DG classification, transport safety, and regulatory frameworks aligned with the Australian Dangerous Goods (ADG) Code and global standards.

James has served as a regulatory consultant and technical advisor to oil and gas operators, LNG projects, and offshore drilling operations, with responsibilities spanning DG risk assessments, compliance auditing, emergency response planning, and incident investigations. Appointed as an **expert by the International Maritime Organization (IMO)**, he has provided specialised insights into dangerous goods transport, vessel safety, and terminal operations. An experienced lecturer and trainer, James has delivered compliance and safety programs across Southeast Asia, the UK, New Zealand, and Australia, helping organisations strengthen compliance systems and uphold the highest safety standards in DG operations.

OUR PARTICIPANTS

Over 70% of FORTUNE 500 Companies Have Attended Our Accredited Programs Before





PROGRAM AGENDA

MODULE 1 - DANGEROUS GOODS IN THE AUSTRALIAN CONTEXT

- Definition of dangerous goods under WHS laws
- Overview of the Australian Dangerous Goods Code (ADG 7.8)
- Jurisdictional regulations (e.g. Safe Work Australia, state transport agencies)
- Difference between dangerous goods and hazardous substances

MODULE 2 - CLASSIFICATION AND IDENTIFICATION

- Classes 1–9 of dangerous goods (explosives to miscellaneous)
- Subsidiary risks
- UN Numbers and Proper Shipping Names
- Packing groups (I, II, III)
- Introduction to the Globally Harmonized System (GHS) and SDS requirements in Australia

MODULE 3 - LABELLING, MARKING & PLACARDING (ADG CHAPTER 5)

- Understanding DG labels and placards
- Vehicle placarding requirements
- Container and package marking rules
- Mixed loads and segregation charts

MODULE 4 - PACKAGING AND STORAGE REQUIREMENTS

- Approved packaging systems and test certification (e.g. UN approved)
- Inner, intermediate, and outer packaging
- DG storage regulations (segregation, ventilation, spill bunding)
- Australian Standards (AS 1940, AS 3780, AS 4332, etc.)

MODULE 5 - SAFE HANDLING OF DANGEROUS GOODS

- Manual handling and mechanical aids
- PPE selection and use
- Handling compressed gases, flammable liquids, corrosives, and toxic substances
- Heat, friction, and pressure risks

MODULE 6 - TRANSPORT AND DOCUMENTATION

- Road transport regulations under the ADG Code
- Dangerous Goods Transport Documentation
 - Consignment notes
 - DG declaration
 - Emergency Information Panel (EIP)
- Chain of responsibility and driver/operator duties



PROGRAM AGENDA

- Load restraint principles (referencing the Load Restraint Guide 2018)

MODULE 7 - EMERGENCY RESPONSE & INCIDENT MANAGEMENT

- Basic emergency planning under WHS Regulations 2011
- Spills, leaks, and containment
- Fire classifications and suitable extinguishers
- Evacuation procedures and emergency contacts

MODULE 8 - CASE STUDIES AND PRACTICAL EXERCISE

- Incident analysis (e.g., port container fire)
- Group risk assessment scenario
- Safety checklist activity

MODULE 9 - DANGEROUS GOODS IN INTERMODAL TRANSPORT

- Overview of intermodal containers and tankers
- Differences between ADG, IMDG (maritime), IATA (air), and RID (rail)
- Transfer and handover procedures between transport modes

- Port-specific requirements for DG containers
- Hazard communication consistency across modes

MODULE 10 - CHEMICAL COMPATIBILITY AND SEGREGATION PRINCIPLES

- Common incompatible materials (e.g. oxidisers + organics, acids + bases)
- Use of the ADG segregation chart and colour-coded storage systems
- Examples of reactive incidents (e.g., nitric acid + solvents)
- Storage strategies for multi-class facilities
- Safe mixing and transfer precautions (where permitted)

YOUR CHARTER DESIGNATION



Chartered Institute of Professional Certifications' programs are unique as they provide you with professional charter designations and marks that can be used across your lifetime once you have completed our programs.

Upon successfully attending this program, you will be awarded with the **Certification in Australia Dangerous Goods Regulations and Compliance** that can be used in your resume, CV and other professional credentials. This certification is industry-recognized with lifelong validity.

Globally respected and increasingly in demand, this certification will amplify your expertise in managing safe, compliant, and efficient dangerous goods operations in alignment with the Australian Dangerous Goods (ADG) Code, Work Health and Safety (WHS) legislation, and Chain of Responsibility (CoR) obligations. It affirms your ability to design and implement robust DG compliance systems that meet legal requirements and industry best practices. This program is developed by **Chartered Institute of Professional Certifications** and the content of this program has been certified by **CPD Certification Service** as adhering to highest standards of continuing professional principles.

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All of Chartered Institute of Professional Certifications programs are fully accredited programs. The professional charters and designations are trademarked credentials that can only be used by professionals who have completed and passed our accredited program. It is also independently accredited by CPD as adhering to the highest standards of continuing professional principles.

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CONTACT US TODAY

We Thank You for Your Ongoing Support
of Our Programs

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