



## KNOWLEDGE SERIES MODULE 7: STEEL QUALITY AND COMPLIANCE

### ASI KNOWLEDGE SERIES

- KNOWLEDGE SERIES MODULE 1  
Introduction to the Knowledge Series
- KNOWLEDGE SERIES MODULE 2  
Steel and Steel Making
- KNOWLEDGE SERIES MODULE 3  
The Metallurgy of Steel
- KNOWLEDGE SERIES MODULE 4  
The Engineering Properties of Steel
- KNOWLEDGE SERIES MODULE 5  
Structural Steel Types
- KNOWLEDGE SERIES MODULE 6  
The Steel Supply Chain
- KNOWLEDGE SERIES MODULE 7  
Steel Quality and Compliance
- KNOWLEDGE SERIES MODULE 8a  
Steel Structures – An Introduction
- KNOWLEDGE SERIES MODULE 8b  
Steel Structures – Beyond the Basics

### COURSE OUTLINE

#### Lesson 1: Steel quality

- What do we mean by quality?
- Quality attributes

#### Lesson 2: The procurement environment

- Setting the scene
- Why we need to mitigate risk
- The 'cost' dimensions of non-compliance

#### Lesson 3: The Regulatory environment

- Overarching Regulation
- The project controls hierarchy

#### Lesson 4: ASI support for the supply chain

- Summary of support available
- ASI Tech Notes
- Specification (NSSS)
- ASI National Structural Steelwork Compliance Scheme (NSSCS)

- AS/NZS 5131: Structural steelwork – Fabrication and erection
- ASI National Structural Steelwork

#### Lesson 5 – Responsibilities of the supply chain

- Context
- The Workplace Health and Safety Act
- Safe design of structures Code of Practice
- Responsibilities of designers
- Responsibilities of manufacturers
- Responsibilities of importers
- Responsibilities of distributors and suppliers
- Responsibilities of principal contractors
- Responsibilities of clients and procurers

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