



International Safety Management (ISM) Code Compliance

Automate your ISM Code Compliance with Mango™

Since 1994, it has been compulsory for all shipping companies to comply with the International Safety Management (ISM) Code for the Safe Operation of Ships and Pollution Prevention.

Building on the requirements of ISO 9001, the ISM Code requires all shipping companies to develop, implement and maintain a Safety Management System (SMS).

While ISO 9001 addresses how shipping companies should ensure customer satisfaction, the ISM Code specifies how shipping companies must ensure that they operate their vessels both safely and in an environmentally conscious manner.

Like most compliance programmes, the ISM Code requires companies to demonstrate how they comply with the standard through both action and evidence. However, this has led to problems with SMS maintenance.

Mango is more than just software, it moves your company to new levels of compliance accuracy and operational efficiency.

Dr. Phil Anderson of the Nautical Institute concluded in a recent international survey on the ISM Code:

“One thing is absolutely clear from a very significant number of respondents, particularly seafarers, that the systems they are working with are generating far too much paperwork, requiring much additional administration and the available resources on board are not adequate or sufficient to cope.”

Dr. Phil Anderson, D.Prof, BA (Hons), FNI, Master Mariner, Senior Vice President of The Nautical Institute.

Solving the problem with Mango

Mango is an online application consisting of a suite of modules designed to automate compliance to international standards - including the ISM code.

Mango is a fast and secure internet based management system designed completely with Web 2.0 programming techniques and housed on our secure servers, Why employ IT staff to design your own system when

we've got a comprehensive solution that's right for you - right now.

How will Mango help me?

Mango:

- ◆ Automates your ISM code compliance process.
- ◆ Increases organization productivity and efficiency.
- ◆ Provides accountability and traceability.
- ◆ Provides real time data for management review.
- ◆ No IT investment is needed and each employee has read access to the system.
- ◆ Gives a sense of ownership and empowerment to those actually involved in the SMS - your ship's personnel
- ◆ Reduces paperwork to manageable levels.
- ◆ Facilitates two-way communication between your vessels and your office.



Mango meets the requirements of the ISM Code by:

- ◆ Providing a suite of modules to comprehensively address all sections of the ISM code.
- ◆ Providing an internationally accessible application to ensure your operating procedures are followed, no matter where your vessel is.
- ◆ Automating tasks that typically rely on the memory of employees.

MODULE BREAKDOWN	
MANGO MODULE	DESCRIPTION
Documents Module	With an online application, the Document module provides a simple means of communicating policies, procedures, forms and responsibilities throughout your organisation. It enables shore-based operations to update procedures and policies, and notify to key staff in real time.
Events Management Module	The Event Management module keeps your events up to date, ensuring that you never overlook critical events such as classification certificate updates and safety drills. This excellent tool enables your managerial staff, both on ship and onshore, to monitor these events in real time.
Suppliers & Sub-Contractors Module	When a ship requires maintenance, you need to know which contractors are approved to do the work. The current register of approved suppliers and contractors must be accurate. The Supplier and Sub-Contractor module is controlled by your shore-based purchasing or provisioning department, and ensures that you have the latest list of approved supplier and contractors.
Improvement Module	The Improvement module addresses the ISM code requirement to record and report all incidents. Incidents that can be recorded include accidents, improvements, non-conformances and environmental issues. The Improvement module allows you to log corrective actions, and to monitor these in real time to ensure a timely outcome. The online system also removes the need to collate separate documents or emails.
Human Resources Module	Keeping track of employee skills and training is hard for most companies, let alone those with employees at sea. The Human Resources Module lets you ensure that no training is missed. Mango notifies you when key training is due, and you can run a report showing upcoming training.
System Administration Module	Most software applications require the assistance of an IT department, to add users, issue access rights and act as a helpdesk. In Mango™, the department managing the ISM system conducts system administration – saving your IT department's valuable time.



ISM Code - Direct Comparison to Mango

ISM CODE CLAUSE	MANGO MODULE
1 GENERAL	Mango application is a tool to address all ISM general requirements
2 SAFETY AND ENVIRONMENTAL PROTECTION POLICY	Policy documented in the Documents Module
3 COMPANY RESPONSIBILITIES AND AUTHORITY	Responsibilities documented in Human Resources Module or in the Documents Module
4 DESIGNATED PERSON(S)	Responsibilities documented in Human Resources Module or in the Documents Module
5 MASTER'S RESPONSIBILITY AND AUTHORITY	Responsibilities documented in Human Resources Module or in the Documents Module
6 RESOURCES AND PERSONNEL	Procedures for training are documented in the Documents Module. Qualifications, skills, training, medical certification and competencies are all logged in the Human Resources Module
7 DEVELOPMENT OF PLANS FOR SHIPBOARD OPERATIONS	All documentation like policies, procedures, checklists, forms etc are documented in the Documents Module
8 EMERGENCY PREPAREDNESS	Procedures for emergency preparedness documented in the Documents Module. Events like fire drills, lifeboat drills etc are logged in the Event Management Module and send an email when the drill is due.
9 REPORTS AND ANALYSIS OF NON-CONFORMITIES, ACCIDENTS AND HAZARDOUS OCCURRENCES	All incidents (non-conformities, accidents, hazardous situations) are reported in the Improvement Module. Corrective actions are recorded in the Improvement Module.
10 MAINTENANCE OF THE SHIP AND EQUIPMENT	Procedures for maintenance and contingency planning are documented in the Documents Module. Events like inspections, regular testing are logged in the Event Management Module and send an email when the event is due.
11 DOCUMENTATION	All documentation like policies, procedures, checklists, forms etc are documented in the Documents Module
12 COMPANY VERIFICATION, REVIEW AND EVALUATION	Procedures for auditing and reviews are documented in the Documents Module. Events like audits and management reviews are logged in the Event Management Module and send an email when the event is due.
13 CERTIFICATION AND PERIODICAL VERIFICATION	Certification and Document of Compliance are uploaded into the Documents Module. Events like re-certification or expiry are logged in the Event Management Module and send an email when the event is due
14 INTERIM CERTIFICATION	Certification and Document of Compliance are uploaded into the Documents Module. Events like recertification or expiry are logged in the Event Management Module and send an email when the event is due
15 VERIFICATION	Mango is very easy to audit and verify
16 FORMS OF CERTIFICATES	Certification and Document of Compliance are uploaded into the Documents Module. Events like recertification or expiry are logged in the Event Management Module and send an email when the event is due