

MARINE ORDERS

Part 32

Cargo Handling Equipment

Issue 2 (Amendment)

Order No 2 of 1999

Pursuant to Section 425(1AA) of the *Navigation Act 1912*, I hereby make this Order amending Marine Orders, Part 32, Issue 2, by omitting pages (i), 13, 14, 101 to 104 and 111, and substituting the attached pages (i), 13, 14, 101 to 104 and 111 to 116, to come into operation on 1 February 1999.

Clive Davidson Chief Executive 14 January 1999

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Previous issue

Issue 1, Order No 12 of 1986

-Amendment, Order No. 5 of 1992

Issue 2, Order No 14 of 1997

Note: Effective measures may include fencing, flagging defective machinery, tagging switches or valves not to be used, cessation of work.

9.2.3 If, in connection with the loading or unloading of a ship:

- (a) a person receives an injury requiring referral to a hospital; or
- (b) a component of materials handling equipment fails in operation, whether or not any person is thereby injured,

the person in charge must submit to a surveyor at the nearest AMSA survey office:

- (a) within four hours of the incident—an initial report in accordance with Form MO-32/5 in Appendix 23; and
- (b) within 72 hours of the incident—a full report in accordance with Form MO-32/6 in Appendix 23.

Note: Two forms are available from AMSA: Form AMSA 18, which is an Incident Alert form, and AMSA 19, which is an Incident Report form.

10 Loading and Unloading

10.1 Person in charge to direct loading and unloading

A person must not, to any extent, load or unload a ship unless that person does so under the direction of the person in charge.

10.2 Loading and unloading to comply with this Part

A person must not:

- (a) to any extent, load or unload a ship;
- (b) use or operate any materials handling equipment in connection with the loading or unloading of a ship;
- (c) direct or purport to authorise any other person to load or unload a ship to any extent, or operate materials handling equipment in connection with the loading or unloading of a ship; or
- (d) use or direct or purport to authorise any other person to use in connection with the loading or unloading of a ship, except in the event of an emergency, any means of passage or access,

otherwise than in compliance with or as provided by this Part.

10.3 Use of equipment

- **10.3.1** Subject to 10.3.2, a person who:
 - (a) is under 18 years of age; or
 - (b) does not possess the necessary aptitudes and experience,

must not:

- (c) operate any mechanical stowing appliance, crane or winch; or
- (d) give directional signals to a driver of a crane, winch or other mechanical stowing appliance; or
- (e) have responsibility for attending to cargo falls on winch ends or winch drums; or
- (f) perform tasks involving hoisting, lowering or otherwise adjusting derrick gear or other materials handling equipment.
- **10.3.2** Provision 10.3.1 does not apply to:
 - (a) a member of the crew of the ship being loaded or unloaded; or
 - (b) a person under training while properly supervised.
- **10.3.3** A person must not operate power operated hatch covers unless that person is:
 - (a) a member of the crew of the ship being loaded or unloaded; or
 - (b) a person authorised to do so by the officer in charge of the loading or unloading operation.
- **10.3.4** A person, other than a member of the crew of the ship, must not operate ship's side, bow or stern doors, 'tween deck bulkhead doors, ramps, retractable car decks or similar ship equipment unless that person has been specifically authorised by the Master of the ship to do so.

10.4 Protective clothing

A person must not load or unload a ship unless that person wears protective clothing and other protective equipment appropriate for the loading or unloading operation, for the duration of the operation.

Note: It is the responsibilities of employers to define the protective clothing to be worn in any particular circumstances.

Appendix 20

AUSTRALIAN STANDARDS: GUIDE IN DETERMINING SAFE WORKING LOAD

Note: The Standards are listed by subject matter and full titles are not included. In some cases the Standard cited may have subsidiary parts or amendments which should be consulted.

1 For guidance in determining safe working load

Blocks, car	AS 2089-1993	
Blocks, cha	AS 1418.2-1997	
Chain		AS 2321-1979
Cranes	GeneralSerial hoists and winchesBridge, gantry, portalMobile	AS 1418.1-1994 AS 1418.2-1997 AS 1418.3-1997 AS 1418.5-1995
Cranes	- Safe use of, General requirements	AS 2550.1-1993
Eyebolts		AS 2317-1984
Fibre rope - Care & safe usage - 3 strand hawser laid and 8 strand plaited ropes		AS 4142.1-1993 AS 4142.2-1993
Hooks		AS 3777-1990
Industrial tr	AS 2359.1-1995 AS 2359.2-1985	
Lifting com	AS 3776-1990	
Lifts, escala	AS 1735.1-1986	
Pallets	AS 4068-1993	

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	Rigging scr	ews and turnbuckles	AS 2319-1984
	Shackles		AS 2741-1992
	Slings - fibre rope - synthetic-webbing - wire rope - wire coil, flat - chain - grade T - roundslings—synthetic fibre		AS 1380-1998 AS 1353-1997 AS 1666-1995 AS 1438-1998 AS 3775-1990 AS 4497-1997
	Swivels		AS 2318-1990
	Wire rope		AS 3569-1989
	Wire-rope g	grips for non-lifting applications	AS 2076-1996
2 O	ther standar	ds called up in this part	
	Acoustics—	-hearing protectors	AS 1270-1988
	Automotive	e LP Gas Code	AS 1425-1989
	Battery operated vehicles Carbon monoxide analyser equipment Classification of hazardous areas - Explosive gas atmospheres - Combustible dusts		AS 1915-1992
			AS 2094-1977
			AS 2430.1-1987 AS 2430.2-1986
	Electrical e	quipment enclosures	AS 1939-1990
	Lighting		AS 1680-1990
	Portable Fin	re Extinguishers - General requirements - Foam type - Powder type - Carbon dioxide type - Vaporising liquid type	AS 1841.1-1997 AS 1841.4-1997 AS 1841.5-1997 AS 1841.6-1997 AS 1841.7-1997

Portable Ladders	- Metal	AS 1892.1-1996
	- Timber	AS 1892.2-1992

Safe working in a confined space AS 2865-1995

Vehicles - pollutant test methods AS 2095.1-1977

Wire rope - Application guide AS 2759-1985

3 Other standards that may provide guidance

Freight containers handling and securing AS 3711.10-1993

clear openings for external single leaf **Doors** ISO 3796

doors

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Appendix 21

Actuating force: control equipment

The maximum actuating force required to operate controls of materials handling equipment is to be no greater than the following:

Finger-operated lever 10 N (either direction)

Push button 25 N

Hand-operated lever-

console mounted 50 N (either direction)

floor mounted 400 N

Pedal 600 N

Steering wheel-

manually powered 250 N

power assisted operating 250 N

power assistance not operating 600 N

Form MO 32/5

INCIDENT ALERT

SHIP DETAILS

Ship's name	
IMO number	Flag
Call sign	Satcom number
Master	
Gross tonnage	No. of persons on board
Class society	
Propulsion	IOPP certificate date of issue
Ship type	
Container Tanker Bulk Carrier	Tug OSV Other
Operator's name and address	
Responsible Officer (ISM designated person)	Contact number
Agents and P&I Club	
INCIDENT DETAILS	
Voyage	
From	То
Ship's location	
(eg port, at sea, lat, long)	
Location on ship where incident occurred	
Date & time	No.of persons
of incident / /	am/pm involved

Nature of incident				
Collision	MARPOL Ship Defects			
Grounding	Serious Personal Injury			
Fire	Fatality			
Structural Failure	Disappearance			
Flooding	Loss			
Machinery Breakdown	Presumed Lost			
Cargo Gear	Close Quarters Situation			
Pilotage	Births			
Dangerous Goods	Other (specify)			
DESCRIPTION OF INCIDENT/DAMAGE				
Note: If incident occurred under pilotage, include name	of pilot			
OTHER RELEVANT INFORMATION				

Form MO 32/6

INCIDENT REPORT

SHIP DETAILS

Ship's name				
IMO number	Flag			
Call sign	Satcom number			
Master				
Gross tonnage	Propulsion			
Class society				
Operator's name and address				
Agents and P&I Club				
Date & time of incident Ship's location (eg port, at sea, lat, long)				
Part 1 - To be completed if reporting under Marine Orders Part 32				
Person-in-charge				
Employer of person-in-charge				
Incident ☐ Injury → If injury, complete parts 4 - 8				
Gear failure \rightarrow If gear failure, complete parts 5 - 8				

Part 2 - To be completed if reporting under sections 268, 269 or 417 of the *Navigation Act 1912* (other than births) or regulation 4 of the Navigation (Marine Casualty) Regulations

Voyage				
From		То		
Incident description				
Grounding	Foundering	Stranding		
Collision	Capsize	Flooding		
Fire	Explosion	Machinery failure		
Structural failure	Close Quarter	Disappearance		
Loss	Presumed loss	st Injury		
Death	Dangerous oc	ccurrence		
Other (specify)				
Place of incident				
Machinery spaces	Accommodati	tion block Galley		
Deck/cargo spaces	Gangway/pilo	ot ladder Wharf		
Other (specify)				
Crew numbers	Passenger numbers	Cargo		
Part 3 - To be completed if reporting under section 417 of the Navigation Act 1912 (Births)				
Child's name Gender M/F				
Date of birth	Place			
Mother's full name				
Town & country of birth		Australian resident		
Yes/No				
Father's full name				
Town & country of birth		Australian resident Yes/No		

Part 4 - To be completed if reporting under section 107 of the Occupational Health & Safety (Maritime Industry) Act 1993

Name of affected person					
Date of birth		Gender M/F		PIN	
Home address					
Australian resident Yes / No Town of		& country of birth			
Capacity Crew Conti		actor Waterside worker Supplier (specify)			
Logbook	to		Time since last rest pe	riod	
entry date	<u> </u>			House before duty	
Hours of duty Time on:	Time	off:		Hours before duty	
Affected area Head (1)	Eyes (1)		Trunk (3)	Arms (4)	
Hands (4)	Legs (5)		Internal (7)	Back (3)	
Neck (2)	Fingers (4	4)	Feet (5)	Toes (5)	
Other (specify)					
Type of injury Drowning (150)		Crushing (1	00)	Laceration (060/080)	
Burns & scalds (120)		Hernia (450)		Fracture (020/010)	
Electric shock (150)		Amputation (070)		Foreign Body (110/090)	
Abrasion (090)		Bruising (100)		Asphyxia (110/150/140)	
Strain & sprain (040)		Other (specify)			
Result of incident Death		Serious inju	ry	Minor injury	
Near miss		Temporary of	disability	Partial disability	
Permanent disability		Disappearance		Time off work	
Other (specify)					
Place of incident		A	odian blask	Caller	
Machinery spaces		Accommoda		Galley	
Deck/cargo spaces		Gangway/pilot ladder		Wharf	
Other (specify)					

Incident factors Machinery and (mainly) fixed plant (1)	Materials and substances (6)
Mobile plant and transport (2)	Environmental agencies (7)
Powered equipment, tools and appliances (3)	Animal, human and biological agencies (8)
Non-powered hand tools, appliances and other equi	
Chemicals and chemical products (5)	Other and unspecified agencies (9)
Cause of injury/illness	
Date left ship	Expected period of incapacity
Treatment given on board ship	of meapany
Part 5 - Explanation and Description State Cause and give names and addresses of any witnes	ses
State Guase and give names and addresses of any wienes	565
Part 6 - Incident narrative	
Part 7 - Action taken to prevent similar occurrences	
Pout 9 Dataile of nearon consulating non-out	
Part 8 - Details of person completing report Name	
Position	Contact number
Signature	Date / /