

No. ....  
First register for a ship to be numbered  
'1' next '2' and so on



**Australian Government**  

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**Australian Maritime Safety Authority**

# **REGISTER OF MATERIAL HANDLING EQUIPMENT**

Marine Order 32 (Cargo handling equipment) 2016

Name of ship .....

IMO number .....

## NOTES FOR GUIDANCE IN KEEPING THIS REGISTER

1. A reference in this register to a section, subsection, paragraph or subparagraph, clause and subclause by number/letter/roman numeral means the corresponding section, subsection, paragraph or subparagraph, clause and subclause in Marine Order 32 (Cargo handling equipment) 2016 (MO 32).
2. A register of material handling equipment must be kept by the master who shall, on the request of a surveyor, produce the register and any certificates issued by a competent person in accordance with MO 32 in respect of any material handling equipment (sections 23, 25 and 26).
3. A reference to a 'competent person' or 'responsible person' in these instructions means a 'competent person' or 'responsible person' as defined in section 4.
4. Masters, Chief Officers, Chief Engineer Officers and Second Engineer Officers are considered to be competent persons in relation to carrying out examinations (other than those associated with testing in accordance with section 4.2.4 of the ILO Code), of the equipment under MO 32, or for determining the safe working load (SWL) of loose gear that is not required to be permanently marked with a SWL.
5. Chief Officers, Chief Engineer Officers and First Engineer Officers are considered to be responsible persons in relation to carrying out annual thorough examinations, and other inspections, of unclassified loose gear and lifting appliances.

## NOTES FOR GUIDANCE IN RELATION TO MATERIAL HANDLING EQUIPMENT GENERALLY

### HOISTING APPLIANCES, ACCESSORY GEAR AND CARGO GEAR

Before material handling equipment may be used for loading or unloading:

- It must have been tested, examined, certified and inspected in accordance with Schedule 3,
- the current record of examination and inspection in this register of material handling equipment must indicate that the equipment is fit for use
- it must be visually examined to confirm it is free of obvious defects (subsection 22(2)).

Each item of material handling equipment and each sling or lifting device forming an integral part of a load must comply with Schedules 4, 6 and 8 as applicable to the type of equipment (subsection 22(1)).

The required particulars of the testing, examination and inspection are to be entered in Part 1 of this register (for cranes, derricks, winches, cargo lifts and the like) or Part 2 (for material handling equipment and loose gear not included in Part 1).

Certificates of Test and Examination issued by the competent person, or record of inspection of material handling equipment on a vessel, should be kept with this register (section 26).

### HOISTING APPLIANCES AND ACCESSORY GEAR

#### 1) Quinquennial test and examination

Material handling equipment belonging to a vessel (other than wire and fibre ropes, loose gear, nets and slings) for use in loading or unloading the vessel, must be tested and examined after test by a competent person in accordance with Schedule 3 before being put into service and at intervals not exceeding five years.

The required particulars of the test and examination must be entered in Part 1 and the certificate appropriate for the type of equipment, a issued by the competent person, should be kept with this register.

#### 2) Annual examination

Material handling equipment belonging to a vessel, other than wire and fibre ropes, nets and slings, for use in loading or unloading the vessel, must be examined at intervals not exceeding 12 months in accordance with Schedule 3. The examination must be carried out by a competent person in the case of equipment under survey with a classification society, or by a responsible person in any other case.

The required particulars of each examination are to be entered in Part 1.

## **OTHER MATERIAL HANDLING EQUIPMENT AND LOOSE GEAR**

Material handling equipment and loose gear not included in Part 1, other than wire and fibre ropes, nets and slings, must be tested and examined before being put into service, and given an examination at intervals not exceeding 12 months.

The required particulars of each examination are to be entered in Part 2.

## **WIRE ROPES AND TERMINAL OR END FITTINGS - CERTIFICATION**

A wire rope, such as a runner, purchase, topping lift, preventer, or guy must not be used in connection with cargo gear unless tested and a certificate provided in accordance with Schedule 3 clause 10.

The location of all portions of a wire covered by a particular Certificate of Test (AMSA 368) issued by a competent person are to be entered into Part 3, together with the number of the Certificate, and the Certificate is to be kept with this register.

A terminal or end fitting fitted to a wire rope must have been tested and a certificate supplied in compliance with Schedule 3 clause 12. Details of each Certificate of Test and Examination of a prototype wire rope terminal or end fitting are to be entered into Part 3 and the Certificate is to be kept with this register.

## **WIRE AND FIBRE ROPES, TERMINAL OR END FITTINGS, NETS AND SLINGS - INSPECTION**

A wire rope must be inspected by a responsible person in accordance with Schedule 3 clause 11. A wire rope that does not pass over a sheave or winding drum must be inspected at intervals not exceeding 12 months. If the wire rope passes over a sheave or winding drum, the inspection should be at intervals not exceeding 6 months. If a constituent wire in the rope is broken, the rope may only be used in compliance with Schedule 3 subclause 11(4).

The required particulars of the inspection of a wire rope should be entered in Part 3.

Fibre ropes, terminal or end fittings, nets and slings do not need to be inspected at specific intervals, nor do any inspections need to be recorded in the register. However they must be visually examined before being used, to confirm they are free of obvious defects (see paragraph 22(2)(c)) and comply with the applicable requirements of the Order including those in Schedules 3 and 4.

Fibre ropes, terminal or end fittings, nets and slings should be condemned and replaced if damaged and where details of a certificate have been recorded in Part 3 as required the appropriate entry should be suitably annotated to show that the item is no longer fit for use. The reuse of expendable or disposable slings is prohibited.

## **INSPECTION/EXAMINATION AFTER ALTERATION OR REPAIR**

"Repair" is to be taken to mean rectification of defective units or parts of units.

Repairs to material handling equipment must be carried out in accordance with section 29 and subsequent use of the repaired item is subject to compliance with Schedule 3 as applicable to the equipment, or in accordance with section 30.

**PART 1 - Quinquennial test and examination, annual examination and inspections of cranes, derricks (including winches where fitted), cargo lifts, mechanical ramps, cargo trays, crates, tubs and other loading and unloading receptacles**

Examination means examination in accordance with section 4.2.4 of the ILO Code (see Schedule 3).

(1) Situation and description of material handling equipment examined, with distinguishing number or mark (if any)  If all the material handling equipment is tested and examined on the same day, it will be sufficient to enter 'All material handling equipment'. If not, the parts which have been examined on the dates stated must be clearly indicated.	(2) Initial test and examination certificate number and date	(3) Annual examinations I certify that on the date to which I have appended my column 1 was examined and no defects affecting the safe working	
		Annual examination Date & Signature	Annual examination Date & Signature

and inspections signature below, the material handling equipment shown in conditions were found, other than those shown in column 5.		(4) Quinquennial test and examination certificate number and date	(5) Remarks To be initialed and dated (if there are no remarks insert 'nil')
Annual examination Date & Signature	Annual examination Date & Signature		

**PART 2 - Annual examination and inspections of material handling equipment and loose gear not included in Part 1, other than wire and fibre ropes, nets and slings**

Examination means examination in accordance with section 4.2.4 of the ILO Code (see Schedule 3)

(1) Situation and description of material handling equipment examined, with distinguishing number or mark (if any)  Show clearly the material handling equipment which has been examined.	(2) Initial test and examination certificate number and date	(3) Annual examinations	
		Annual examination Date & Signature	Annual examination Date & Signature
		I certify that on the date to which I have appended my column 1 was examined and no defects affecting the safe working	

and inspections signature below, the material handling equipment shown in conditions were found, other than those shown in column 4.		(4) Remarks To be initialed and dated (if there are no remarks insert 'nil')
Annual examination Date & Signature	Annual examination Date & Signature	

**PART 3 - Wire ropes, fibre ropes, flat synthetic webbing slings and wire terminal or end fittings - details of certificates (see schedule 3 clauses 10, 12 and 13 ) and wire rope required inspections (see schedule 3 clause 11)**

(1) Location and details of wire rope, fibre rope, flat synthetic webbing sling, or terminal or end fitting	(2) Initial test and examination certificate number and date	(3) Inspections as I certify that on the date to which I have appended my signature column 1 was examined and no defects affecting the safe working			
		Six monthly inspection Date & Signature	Annual examination Date & Signature	Six monthly inspection Date & Signature	Annual examination Date & Signature



required (for wire ropes)  
 below, the material handling equipment shown in  
 conditions were found, other than those shown in column 4.

(4)  
 Remarks  
 To be initialed and dated  
 (if there are no remarks insert 'nil')

Six monthly inspection Date & Signature	Annual examination Date & Signature	Six monthly inspection Date & Signature	Annual examination Date & Signature	Six monthly inspection Date & Signature	Annual examination Date & Signature	

**PART 4 - Inspection/examination of material handling equipment after repair Section 30**

I certify that on the date to which I have appended my signature in column 4, the material handling equipment shown in column 1 and 2 was examined in accordance with section 30 and no defects affecting the safe working conditions were found, other than those shown in column 5.

(1) Distinguishing number or mark	(2) Description of material handling equipment repaired	(3) Details of repair and inspection/examination following repair	(4) Date & Signature	(5) Remarks To be initialed and dated (if there are no remarks insert 'nil')



