

DEPARTMENT OF EMPLOYMENT AND LABOUR

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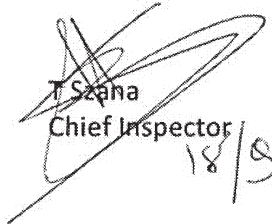
23 OCTOBER 2020

PUBLIC COMMENT

INCORPORATION OF HEALTH AND SAFETY STANDARD IN TERMS OF SECTION 44(1) OF OCCUPATIONAL
HEALTH AND SAFETY ACT, ACT 85 OF 1993
DRIVEN MACHINERY REGULATIONS 18(11)

I Tibor Szana, appointed as Chief Inspector in terms of section 27(1) of the Occupational Health and Safety Act, Act 85 of 1993, acting in terms of the powers vested in me by regulation 18(11) of the Driven Machinery Regulation, after consultation with the Advisory Council for Occupational Health And Safety hereby intends to publish the National Code of Practice for the Training Providers of Lifting Machine Operators for public comments for a period of 60 days.

Interested parties may submit written comments to Director General, Department of Employment and Labour, Private Bag x 215, Pretoria, 0001. For the Attention of Chief Inspector


T Szana
Chief Inspector

18/9/2020

NATIONAL CODE OF PRACTICE

**FOR THE
TRAINING PROVIDERS OF LIFTING MACHINE OPERATORS**

FOREWORD

This Code of Practice is to provide clarity and direction to all stakeholders directly or indirectly related to the accreditation and provision of training to lifting machine/equipment operators in South Africa.

This document incorporates the experience acquired by the Department of Employment and Labour, the relevant stakeholders of the industry since 1992.

This Code of Practice provides direction regarding the foundation for training of all lifting machine/equipment operators with the objective of ensuring standardised training, and safety standards that will impact directly on reducing the risk of injury/death to employees/persons or damage to plant and equipment, inherent in all driven machinery operations and especially when loads are lifted or transported.

Your provincial office of the Department of Employment and Labour is available to assist in clarifying any difficulties in understanding the application of the legislation or if there are any queries regarding the accreditation contact TETA ETQA.

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1. SCOPE

This Code of Practice is to provide clarity and direction to all stakeholders directly or indirectly related to the accreditation and provision of training to lifting machine/equipment operators in South Africa.

The code of practice is set in line with the relevant accreditation criteria and guidelines of the QCTO

The Code of Practice requires that all lifting machine/equipment Operators of lifting machines listed in this code are trained regardless of the capacity of the lifting machine / equipment by accredited training providers.

Further, the code of practice covers the criteria and guidelines for lifting machine/ equipment operators, assessors, moderators and skills training providers.

Where other Occupational Health and Safety legislation is applicable these must be applied.

The Authorised Body shall be consulted by SAQA prior to approval and registration of unit standards, components of learning / skills programmes, part-qualifications or qualifications for operators of lifting machines/equipment.

2. DEFINITIONS

For purposes of The Code of Practice the following definitions shall apply: -

Accredited training provider

Means a body recognised and approved by the chief inspector which delivers unit standards, components of learning / skills programmes, part-qualifications or qualifications as defined and reports the achievements thereof to the Authorised Body.

Assessment

Means the process of collecting evidence of learner's work to measure and make judgements about the achievements or non-achievements of specified National Qualifications framework standards.

Audit

Means the process undertaken to measure the quality of products or services that have already been made or delivered;

Authorised Body

Means a body mandated in terms of the National Qualifications Framework Act as amended, responsible for monitoring and auditing achievements in terms of national standards or qualifications, and to which specific functions relating to the monitoring and auditing of national standards or qualifications have been assigned and is authorised by the Chief Inspector in terms of the Driven Machinery Regulation 18(11).

Board

Means an executive structure of an Authorised Body.

Licenced Operator

A holder of a valid license / carry card to operate.

Certificate of Competence

A certificate issued by an accredited training provider to a person who has demonstrated competence in a specific category of equipment as delineated per Appendix 1 and according to the assessment criteria of the applicable unit standards, components of learning / skills programmes, part-qualifications or qualifications and the criteria of this Code of Practice.

Lifting Machine/Equipment Codes

The lifting machine/equipment codes denote the different types of lifting machine/ equipment that are covered under this Code of Practice primarily lift-trucks (also known as forklift) and cranes. The unique codes for the different machine types are identified in Appendix 1. See Appendix 6 for typical illustrations.

Management Representative

A person employed by the Accredited Training Provider to administer and control the functionality of the accredited training provider in accordance with the provisions of the Code of Practice and in line with authorised body's accreditation criteria.

Moderator

Means the person that is registered by the relevant authorised body in accordance with criteria established for this purpose by SAQA that ensures the assessment of the outcomes as described in the National Qualifications Framework Standards and/or qualifications, and this Code of Practice, is fair, valid and reliable.

Professional Body:

Means a body of expert practitioners in an occupational field as defined in the National Qualifications Framework Act 67 of 2008.

Professional Designation

Means a title or status conferred by a professional body in recognition of a person's expertise and right to practice in occupational field as further defined in the National Qualifications Framework Act 67 of 2008.

Quality Management System

Means the combination of documented processes used to ensure that the degree of excellence specified is achieved in line with the quality assurance criteria and other relevant standards

Assessor

Means the person who is registered by the Authorised Body in accordance with criteria established for the purpose to measure the achievement of specified National Qualifications Framework Standards or qualifications and the criteria of this Code of Practice.

Statement of Results

A statement of Results issued by the Authorised Body to a person who has demonstrated competence in a specific category of equipment according to the assessment criteria of the applicable, unit standards, components of learning / skills programmes, part-qualifications or qualifications.

Regulations

Means the Driven Machinery Regulations.

Non-Credit bearing Skills Programme

Means a programme that is based on a unit standard or module of a qualification that leads to a skill related to a specific group of equipment and does not earn a credit on the National Qualifications Framework (NQF) towards a qualification. This programme must subscribe to a standard duration

agreed through the authorised body or in the absence of such an agreement a SANS or International standard.

Unit Standard

Means the applicable unit standard for operating lifting machine/equipment registered on the National Qualifications Framework by the South African Qualifications Authority.

3. DUTIES OF AUTHORISED BODIES

- 3.1. The Quality Assurance Standing Committee shall make recommendations to the Board of the Authorised Body for accreditation ratification.
- 3.2. The authorised body shall maintain the latest information on the accredited training provider's and shall forward such listings on request or at least every three months to the Chief Inspector. The following information fields are to be included; registered name of provider, postal and physical address, contact name, contact numbers, and accredited codes.
- 3.3. The authorised body shall at the last working day of January of each year or as may be requested provide the following returns for the previous calendar year to the Chief Inspector;
 - a. the number of accredited providers;
 - b. the number of learner assessments;
 - c. the number of monitoring and audits of accredited providers and
 - d. the number of certificates of competence issued both new and retrained, per code of lifting machine/equipment.
- 3.4. The authorised body shall conduct periodic audits of accredited training providers to verify compliance to the quality assurance criteria. Provided that audits shall be conducted at intervals not exceeding 12 months or as determined by the Authorised Body to verify compliance to the relevant criteria.
- 3.5. The authorised body is empowered to de-accreditation a training provider after a fair process for non-conformance with the accreditation criteria. The Authorised Body shall forthwith notify the Chief Inspector of any suspension or withdrawal.

4. DUTIES OF ACCREDITED TRAINING PROVIDERS

- 4.1. After accreditation, the accredited training provider shall forward a copy of the letter of accreditation/provisional accreditation letter and a cancelled letterhead of the accredited provider, to the Chief Inspector for approval under the applicable regulation.
- 4.2. Accredited training providers shall hold valid accreditation issued by an authorised body, in terms of the National Qualifications Framework Act, and approval from the Chief Inspector, in terms the Driven Machinery Regulation 18(11) as published under the Occupational Health and Safety Act 1993.
- 4.3. An accredited training provider's management representative shall be responsible for the implementation and maintenance of a Quality Management System (QMS) as per the accreditation criteria and maintenance of accreditation.
- 4.4. The accredited training provider must comply to the authorised body accreditation criteria and guidelines which include but are not limited to the following –
 - a. Approved Quality Management System

-
- b. Learning Programmes aligned to unit standards, components of learning / skills programmes, part-qualifications or qualifications and submitted and approved by the authorised body.
 - c. Registered Assessors and Moderators in line with subject matter area and criteria.
 - d. The management representative's delegated duties and responsibilities, including the authorisation of all certificates of competence.
 - e. The delegation of functions and scope of responsibilities for registered facilitator/s or assessor/s under the supervision and control of an accredited training provider, to maintain assurance of management's support for independent actions and decisions.
 - f. The accredited training provider shall ensure that all assessments are carried out with integrity. Measures shall be implemented to ensure that the accredited training provider and its staff are free from all pressures; financial or otherwise that could influence their judgement.
 - g. A clearly defined written policy and procedure for the resolution of any conflict that may arise from clients or other parties about the activities of the accredited provider.
 - h. The accredited training provider shall ensure confidentiality of all information obtained in the course of its activities. Proprietary rights shall be protected in accordance with Protection of Personal Information Act, No 4 of 2013.
 - i. The accredited training provider shall conduct internal moderation on all aspects of its scope of accreditation plan and report to the authorised body external moderator to ensure effective competency declaration of learners. A procedure clarifying whom, when, what and how regarding the internal moderation process shall be conducted.
 - j. Submit per electronic data all relevant national learner record database information on a quarterly basis to authorised body.
- 4.5 An accredited training provider shall issue a temporary licence to learners for the purposes of practical assessments/experience. The temporary licence will be valid for a maximum period of 6 months. A learner issued with a temporary licence must operate under direct and constant supervision of a person with a valid licence for the particular type of lifting machine.

NB: All accredited training providers will need to ensure that they have aligned to the approved and updated guidelines from the relevant authorised body.

5. FIELD OF ACTIVITY

- 5.1 The field of activity and extent of the services for which the accredited training provider has been accredited and approved shall be detailed in the accreditation document issued by the authorised body and an approval certificate issued by Chief Inspector. An accredited training provider shall not provide training on any lifting machine/equipment code and extent of services other than those for which the provider holds accreditation and approval.

5.2 The unit standards, components of learning / skills programmes, part-qualifications or qualifications must lead to the competent operation of the lifting machine/equipment within the specific code against the registered unit standards, components of learning / skills programmes, part-qualifications or qualifications.

5.3 Where training is provided by an accredited training provider at premises other than those inspected and approved by the authorised body, then full details of the facilities and equipment used shall be recorded in the format of the facilities check sheet as detailed in Appendix 5 must be completed and readily available on request of the authorised body.

6. TRAINING SYSTEM DOCUMENTATION

6.1 The accredited training provider will keep available training system documents as required by the accreditation criteria.

7. RECORDS AND RETENTION

7.1 All learner records shall be maintained by the accredited training provider as required by the NQF Act for a minimum period of five (5) years and the records shall be accessible during this time for inspection by the Authorised Body and Department of Labour.

7.2 The authorised body will similarly retain for five (5) years all its relevant records

8. TRAINING COURSE DURATION

8.1 The accredited training provider shall ensure that every learner is granted relevant theoretical and practical training to enable the learner to attain the prescribed competency level according to the assessment criteria of the applicable component of learning /Skills programme, unit standard, module, part-qualification or qualification. The training course duration and instruction conditions may vary according to previous certification of the learner, as indicated below:

8.2 Learners without prior certification applicable to a specific lifting machine/equipment code

a. The hours of training shall be according to the notional learner hours of the registered unit standards, components of learning / skills programmes, part-qualifications or qualifications with a minimum of 30% theory and 70 % practical.

b. The ratio of learners to facilitator shall not exceed 12:1 for theory training; and

c. The ratio of learners to demonstration/practical training per machine shall also not exceed 4:1 and all operator training must be subject to direct facilitator supervision.

NOTES:

- Operators without a valid licence or temporary licence to operate shall not operate the relevant lifting machine/equipment in the working or operating environment.
- Operators of immovable machines (area specific) may be trained/ assessed in the working or operating environment only under the direct and constant supervision of a facilitator/assessor and the work area is safe and safeguarded.
- Should the operator not meet the prescribed unit standard competency further training must be arranged, for the learner to achieve the particular outcome/s.

8.3 . OPERATORS WITH PREVIOUS LICENSE (RE-LICENSING) -

- a. Operators previously certified under the Driven Machinery Regulations whose licenses have expired or are due to expire, shall be subject to re-licensing. The re-licensing training shall comprise a minimum of 4 hours theoretical instruction with special focus on safety and a minimum 1-hour practical training.
- b. Practical assessments must be done under a ratio of 1:1 assessor supervision.
- c. The ratio of learners to facilitator shall not exceed 12:1 for theory training; and
- d. Upgrades on codes for learners / operators shall be regarded as re- licensing, provided that the upgrade will be of a same type of lifting machine i.e. code F1 to code F 3, code F5 to F14. C33 to C36.

NOTES:

- Operators without a valid licence or a temporary license shall not operate the relevant lifting machine/equipment in the working or operating environment.
- Operators of immovable machines (area specific) may be trained/ assessed in the working or operating environment only under the direct and constant supervision of a facilitator/assessor and the work area is safe and safeguarded.
- Should the operator not meet the prescribed unit standard competency further training must be arranged, for the learner to achieve the particular outcome/s.

9. ENTRANCE QUALIFICATION CONDITIONS

- 9.1 All learners of whatever status must be physically capable of performing without difficulty the tasks involved in operating the lifting machine/equipment for which they are to receive training or re-certification training and are at least 18 years of age.
- 9.2 Before commencing training or re-licensing every learner shall provide the accredited training provider with the following:
 - a. An employer declaration or medical certificate confirming the medical fitness of the learner to undergo the intended training;

- b. An eye test results issued by a person trained to carry out such tests, confirming that the learner has adequate day and night vision, and depth perception (e.g. Purdue University standard vision test No. 3): Provided that a valid Professional Driver's Permit can also be accepted in lieu of the eye test results; and
- c. Shall wear the required personal protective equipment as prescribed by the employer under the General Safety Regulation 2 of the Occupational Health and Safety Act.

9.3 All new entrants intended under this code will be required to hold at least a Grade 9/Abet 4 or NQF level 1 in foundational learning and must be at least 18 years of age.

- a. Additional Entrance Qualification Conditions for Mobile Jib Cranes and Tower Cranes
 - i. An appropriate driver's licence for the particular vehicle;
 - ii. Shall be wearing protective footwear (steel toe-capped); and
 - iii. As from the final approval date of the Code of Practice, all new entrants intended under these categories shall hold a General Education and Training Certificate Grade 12 (Std 10), or National Qualifications Framework level 4 (Mathematics literacy and English) or equivalent.
 - iv. Conditions i and iii do not apply to wall / pillar mounted jib cranes.

10. ACCREDITATION REQUIREMENTS FOR PERSONNEL

- 10.1 Every accredited training provider shall appoint in writing a full-time employee as a management representative.
- 10.2 Every accredited training provider shall appoint in writing all registered facilitators/assessors.

10.3 Management Representative

- a. The management representative shall be empowered with the necessary authority to ensure that the provisions of the Code of Practice are implemented and maintained.
- b. The accredited provider shall within 7 days notify the authorised body in writing regarding any changes to the management representative.

10.4 -Assessor

- a. An assessor is a person having complied with the following –
 - i. Holding a valid certificate of competence in assessment and facilitation and a minimum of three years' experience and a valid certification / license / carry card for each applicable lifting machine / equipment code.

The duration of initial training for an assessor shall be at least the same as for a novice operator plus documented 120-hours practical experience.
Demonstrating competence for providing training as evaluated according to the relevant criteria.

- ii. Knowledgeable of this code of practice; and
- b. Who is under the supervision and control of an accredited training provider.

11. CERTIFICATION

11.1 An initial certificate of competence must include the following information:

- a. name and logo of the accredited provider or authorised body;
- b. physical address of accredited provider;
- c. accreditation number of provider;
- d. certificate identification or serial number;
- e. identification of Act and Regulation;
- f. Full names and surname of operator;
- g. National identification or passport number of operators;
- h. lifting machine code, code description of equipment, attachments and capacity;
- i. restrictions of operation;
- j. registration number of assessor;
- k. unit standard number,
- l. Unit standard title
- m. NQF level
- n. Credit value;
- o. date of issue and
- p. Two authorising signatures

No certificates will be issued on re-certification for the same component of learning /Skills programme, module, part-qualification, qualification or unit standard

11.2 A license / carry card will be valid for a period of up to 24 months, and must be issued upon certification or re-certification and must include the following information:

- a. name and logo of the accredited provider or authorised body
- b. license identification or serial number;
- c. initials and surname of operator;
- d. Identification or passport number of operators;
- e. lifting machine code, code description of equipment, attachments and capacity;
- f. restrictions of operation;
- g. unit standard number;
- h. registration number of assessor;
- i. date of issue and expiry date (24 months); and
- j. authorising signature.

11.2 A temporary license will be valid for a period of up to 6 months, and must be issued upon certification or re-licensing and must include the following information:

-
- k. name and logo of the accredited provider or authorised body
 - l. certificate identification or serial number;
 - m. initials and surname of operator;
 - n. Identification or passport number of operator;
 - o. lifting machine code, code description of equipment, attachments and capacity;
 - p. restrictions of operation including "under supervision only");
 - q. unit standard number;
 - r. registration number of assessor;
 - s. date of issue and expiry date (6 months); and
 - t. authorising signature.

11.3 The Authorised Body will issue a "Statement of Results" to competent learners / operators.

11.4 No person shall operate any equipment covered by this National Code of Practice without a valid certificate of competence and a carry card required by the Driven Machinery Regulations.

12. EXCEPTIONS

In terms of lifting machine certificate code C53 the authorised body is the relevant professional body. Assessors must hold the relevant professional designation for this code and will deliver a non-credit bearing skills programme based on the relevant unit standard or module of the relevant qualification that will be valid for 12 months from date of training.

APPENDIX 1: LIFTING MACHINE CERTIFICATION CODES**Forklift Codes**

For illustrations of typical codes refer to Appendix 12

Code No.	Code Description
F1	Counterbalanced lift truck up to rated capacity of 3000 kg
F2	Counterbalanced lift truck up to rated capacity of 7000 kg
F3	Counterbalanced lift truck up to rated capacity of 15000 kg
F4	Counterbalanced lift truck above a rated capacity of 15000 kg
F5	Reach lift truck up to rated capacity of 2500 kg
F6	Pedestrian-controlled lift truck below rated capacity of 2000 kg
F7	Pedestrian-controlled lift truck above rated capacity of 2000 kg
F8	Order Picker lift truck - for first and second level racking (NA/WA)
F9	Order Picker lift truck - for all racking levels including high-rise (NA/WA)
F10	Side Loader lift truck
F11	Rough Terrain / Agricultural Equipment with lift truck attachments,
F12	Pallet lift truck, battery-powered for propulsion (Specify Capacity)
F13	VNA lift truck, non-elevating cab, to service all levels
F14	VNA lift Truck, elevating cab, to service all levels
F15	Rail mounted stacker lift truck, non-elevating cab
F16	Rail mounted stacker lift truck, elevating cab

- VNA = Very Narrow Aisle
- NA Narrow Aisle
- WA Wide Aisle

Attachments & Special Equipment

- A Side-shift
- B Single Pole
- C Carton or Paper Roll Clamp
- D Crane Hook
- E Push-Pull / Slip Sheet Equipment
- F Load Rotator
- G Wire Guidance System
- H Load Extender Pantograph
- I Rotating Mast (Order Picker)
- J Tilting Bucket
- K Tandem Forks
- L Container Handling
- M Mancage
- N Tyre handler

Code Specification on Competency Certificates

Accrediting Organisations are required to annotate certificates to clearly identify the machine category, code number and description. The description only where it significantly differs from the basic code description: i.e. code F11 (Bell Three-Wheeler/Front End Loader/Excavator with Fork/grab attachment)

Special Cases

In the case of additional or new attachment/s, the learner will be required to undergo retraining and assessment to include the attachment/s.

CRANES CODES

Code No.	Code Description
C30	Overhead Crane Pendant and Radio Controlled
C31	Overhead Crane Cab Controlled
C32	Truck mounted Crane up to the Capacity specified on the Certificate
C33	Hydraulic Mobile Crane up to rated capacity of 50 000 kg
C34	Hydraulic Crane Pick up and Carry up to a rated capacity of 50 000 kg
C35	Hydraulic Mobile Crane to the rated capacity of above 50 000 kg and as specified on the Certificate
C36	Hydraulic Crane Pick up and Carry to the rated capacity of above 50 000 kg and as specified on the Certificate
C37	Lattice Boom Mobile Truck Crane up to rated capacity of 50 000 kg
C38	Lattice Boom Mobile Crawler up to rated capacity of 50 000 kg
C39	Lattice Boom Mobile Truck Crane to the rated capacity of above 50 000 kg as specified on the Certificate
C40	Lattice Boom Mobile Crawler Crane to the rated capacity of above 50 000 kg as specified on the Certificate
C41	Tower Crane: Top Slewing
C42	Tower Crane: Bottom Slewing
C43	Hydraulic Mobile Crane up to rated capacity of 15 000 kg
C44	Sugar Cane Crane
C45	Ships Crane
C46	Telescopic Boom Handler
C47	Wharf side Crane (Rail mounted)
C48	Reach Stacker (Telescopic Container Handler)
C49	Straddle Carrier
C50	Cantilever container Crane (Ship to Shore)
C51	Scotch Derrick Crane (Ship Mounted)
C52	Rail mounted Gantry Crane (RMG)
C53	Mobile elevated work platform
C54	Hoist & Winches.
C55	Rubber Tyred Gantry Crane
C56	Side Loader Container
C57	Floating crane
C58	Powered Wallmounted/Pedestal Jib crane
C59	Wharfside Jib crane (rubber tyred)
C60	Side boom crane

Note that the authorised body will maintain a list of approved learning elements per code. Providers must ensure that they are accredited on the relevant unit standards linked to these codes.

Attachments and Special Operations

O	Fly Jib (Lattice)
P	Boom Extension (Hydraulic)
Q	Counterweight Options
R	Tandem Lifts
S	Special Categories
T	MancageLifting Cradle (Personnel Cage)
U	Rail Mounted
V	Steam driven
W	Spreader
X	Grab / grapple/forks

Code Specification on Competency Certificates

Accredited training providers are required to annotate certificates to clearly identify the machine category, code number and description. The description only where it significantly differs from the basic code description.

Special Cases

1. It is a pre-requisite that the operator of specialised equipment will be certificated in a basic category applicable to the special machine in question.

APPENDIX 2: GENERAL EXPLANATORY NOTES**These form part of the provisions of the Code**

This appendix contains explanatory notes, which should be taken into account when additional clarity maybe required.

1. Accreditation of accredited training providers will remain valid whilst no non-conformances are recorded during annual audits. If any non-conformances are recorded the accredited training provider will have 30 days of the audit date to correct and provide any explanations, which may be required.
2. The responsibility of the accredited training provider shall go beyond simply carrying out training and assessments but shall include applying measures to ensure that the standards of training and assessments are maintained at all times.
3. An accredited training provider may operate as a training organisation on a client's premises. The registered facilitator shall ensure that sufficient equipment and facilities are available at the client's premises to undertake and complete the training programme to ensure the required level of competence. In all cases a record must be kept of the facilities and equipment used at the premises for inspection during audits. Any special circumstances such as the absence of suitable equipment to perform the practical tests required should be recorded and the certificate issued may require limitation endorsements.
4. Copies of all assessment papers and practical test marking sheets are required to be kept for each certificate of competence issued for audit purposes.
5. A composite organisation involved in the direct sale of equipment and which has sufficient staff to perform accredited training provider functions shall obtain accreditation and shall be required to demonstrate the following:
 - a. That adequate safeguards are in place to isolate certification staff from those involved in the other aspects of the organisation to ensure that no pressures are brought to bare which may influence registered facilitator's and assessor's judgement.
 - b. The organisation has a clearly defined policy for the resolution of conflict that may arise;
6. Accredited training providers requiring registered facilitators to use alternative course material, to their own proprietary material, must be able to demonstrate to the authorised body that they are conversant with the material and able to use it effectively.
7. An organisation applying for accreditation, as an accredited training provider must provide written approval for the use of the course material submitted unless it is clearly entirely of its own origination
8. Where conditions and/or equipment are insufficient to be able to assess an operator's performance under all types of situation then any certificate must be limited accordingly.

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9. In the case of the client's only requirement is for the operator to load and off load road vehicles
then the certificate of competence must be limited in either of the following manner:
- a. "Whilst in the employment of the Client"; or
 - b. "For loading and off-loading road vehicles only"

The second alternative is preferred, as this will adequately represent the operator's competency if the certificate of competence is presented to another employer.

APPENDIX 3 EXAMPLE OF A PRACTICAL ASSESSMENT MARK SHEET

ACCREDITED PROVIDER: _____

CANDIDATE: _____ DATE: _____

I.D. NUMBER: _____ MACHINE TYPE: _____

MACHINE MAKE: _____ MACHINE CODE: _____

COMPANY: _____ CAPACITY: _____

PRE-START CHECKS (Delete items not specific to the test machine or conditions)

Personal Protective Equipment for the work environment _____
 {May include hardhats, overalls, thermal suits, goggles, earplugs as applicable}

Safety Shoes/Boots		Load Chart & Max Mass Load	
Forks/Attachments *		Position of Forks	
Load Backrest		Tyre Condition & Pressure	
Machine Condition		Wheel Nuts	
Battery Terminals		Overhead Guards	
Electrolyte Level		Engine & Transmission Leaks	
Engine Oil Level *		Hydraulic Oil Leaks	
Hydraulic Oil Level		Brake Fluid Leaks	
Brake Fluid Level *		Petrol/Diesel Leaks	
Radiator Water Level *		Gas Leaks	
Radiator Cap		Water Leaks	
Water Pump		Drivers Compartment	
Fan Belts		Mast & Chains *	
Fan Blades		Hydraulic Cylinders	
Drive Belts		Hoses Condition	
Fuel Level			

PRE-OPERATIONAL TESTS

Enter & Adjust Seat		Gauges (before and after) *	
Control levers/pedals		Ignition Key	
Raise & lower		Foot Brake *	
Tilt Front & Back		Hand/Park Brake *	
Forward & Reverse		Steering Operation *	
Horn		Attachment controls	
Lights/Indicators			

Total Items Unchecked _____

* Omission to check any one of these items would constitute the learner/operator not being yet competent of the Pre-start checks and Pre-operational test.

THEORY TEST QUESTIONS (group)

1	_____	4	_____
2	_____	5	_____
3	_____		

Penalties

Total items unchecked from Pre-start and Operational Assessment: _____: x 2 =

_____*

* Maximum 20 penalties

1 TOTAL PRE-START AND PRE-OPERATIONAL PENALTIES _____**PRACTICAL OPERATING ASSESSMENT**

(Delete items not specific to the test machine)

Penalties

Forks Bind on Entry/Withdrawal	_____	=	_____	: x 5 =	_____
Forks not central under Load	_____	=	_____	: x 5 =	_____
Load not at Heel of Forks	_____	=	_____	: x 5 =	_____
Stack/De-stack with Mast Tilted	_____	=	_____	: x 5 =	_____
Fails to Stack/De-stack Correctly	_____	=	_____	: x 5 =	_____
Fails to Apply Park/Handbrake	_____	=	_____	: x 5 =	_____
Fails to Place in Neutral	_____	=	_____	: x 5 =	_____
Fails to Position Mast for Travel	_____	=	_____	: x 5 =	_____
Fails to Position Forks for Travel	_____	=	_____	: x 5 =	_____
Places Body Outside Cabin	_____	=	_____	: x 5 =	_____
Bump Side of Course	_____	=	_____	: x 10 =	_____
Fails to Look in Direction of Travel	_____	=	_____	: x 5 =	_____
Selects Wrong Control/Direction	_____	=	_____	: x 10 =	_____
Shunts to Stack / Un-stack	_____	=	_____	: x 1 =	_____
Shunts to negotiate Chicane	_____	=	_____	: x 1 =	_____
Fails to Release Park/Handbrake	_____	=	_____	: x 5 =	_____
Fails to hold steering wheel during travel	_____	=	_____	: x 10 =	_____
Accelerates erratically	_____	=	_____	: x 1 =	_____
Brakes erratically	_____	=	_____	: x 3 =	_____
Uses Controls roughly	_____	=	_____	: x 5 =	_____
Hands on Controls	_____	=	_____	: x 5 =	_____

CLOSE DOWN CHECKS (PARK)

Fails to Place in Neutral	_____	=	_____	: x 2 =	_____
Fails to Set Park Brake	_____	=	_____	: x 2 =	_____
Fails to Set Mast and Forks	_____	=	_____	: x 2 =	_____
Fails to Shut off Gas	_____	=	_____	: x 2 =	_____
Fails to Operate Diesel Cut Out	_____	=	_____	: x 2 =	_____
Fails to Switch Off	_____	=	_____	: x 2 =	_____
Fails to Remove Key	_____	=	_____	: x 2 =	_____

2 TOTAL OPERATING AND CLOSE DOWN PENALTIES _____

TIME PENALTIES

The assessor is to complete the course to establish a fair time (minimum 15 minutes) and then add 50% to establish the maximum time to complete the operational and close down (park) assessment.

Maximum time permitted _____ Minutes _____ Seconds

Duration of operating assessment _____ Minutes _____ Seconds

3 TIME PENALTIES (6 penalties for every 60 seconds above the maximum) _____

Summary of Penalties

1 PRE-START AND PRE-OPERATIONAL _____

2 OPERATING AND CLOSE DOWN _____

3 TIME _____

TOTAL PENALTIES _____**Note**

A maximum of 50% of the total scored penalty points calculated by 6 penalty points per 1 minute of operational assessment time (driving time).

RESULT:

☐
☐

COMPETENT

NOT YET COMPETENT

Assessor: _____

Registration No: _____

Signature: _____

Date: _____

I the undersigned acknowledge that the process and results were explained to me and I accept the outcome of the assessment.

Signature/Mark of Learner: _____

☐
☐

APPENDIX 4: MANAGERIAL RESPONSIBILITIES

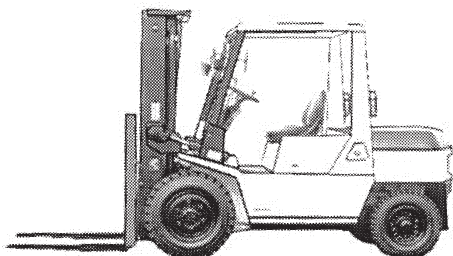
1. The person legally responsible for ensuring that the provisions of the Occupational Health and Safety Act and Regulations of 1993 are implemented on behalf of the employer is the Chief Executive Officer (C.E.O.).
2. In the case of a company without a board of directors or a closed corporation, the Owner will be the C.E.O.
3. In the case of a State department, the C.E.O. is the Director-General, not the Minister. [*Section 16 of the OHS Act, 1993*].
4. It is therefore incumbent upon the C.E.O. that proper information, instructions, training and supervision, as far as practicable are provided for the health and safety of employees. [*Section 8 (e) of the OHS Act, 1993*].
5. The necessary enforcement measures to assure the health and safety of employees are effected through a chain of command structure.
6. All lifting machine operators must be informed about what they are allowed to do. [*Sections 8 (j) and Section 37(1)(b)*].
7. The C.E.O. must ensure that a health and safety management system is in place to give effect to the provisions of the Act and regulations.
8. Anyone delegated by the C.E.O. to perform certain duties regarding information, instructions, training and supervision for employees, through the management chain of command structure and who omits to do so is contravening the Act and regulations and may be prosecuted.

APPENDIX 5: ACCREDITED TRAINING PROVIDERS FACILITIES RETURN

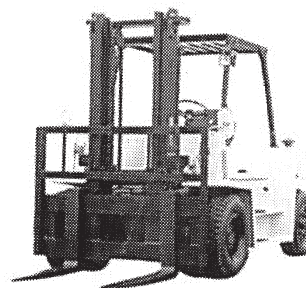
FACILITIES CHECK SHEET		Appendix 8
The accredited training provider is to complete this document, to record and describe any premises at which certification is offered that has not been inspected and approved by the accreditation issuing authorised body ie client's premises		
	Question	Remarks
1	Full physical address details of the premises, including name of organisation, street address, suburb/industrial area, city/ town and the location of the practical training/test route area at premises	
2	Lifting machine code/s and description/s for which training is offered at the premises	
3	Description of equipment used and identification number of equipment	
4	The lifting machine capacity or rating	
5	Description of any attachments fitted to the lifting machine	
6	A general description of the duration training, re-certification done, and test route used at the premises	
7	Describe any limitations to the training and test route that may deviate from the standard routes set out in the code of practice for a specific lifting machine code.	
8	Describe any inherent dangers prevalent in the use of the lifting machine at the premises.	
Signature of Client		Signature of facilitator

APPENDIX 6: ILLUSTRATIONS OF LIFTIN MACHINE CODES

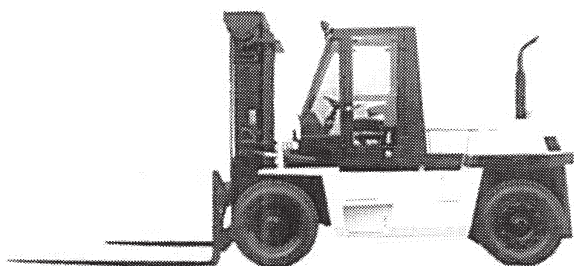
CODE DESCRIPTIONS



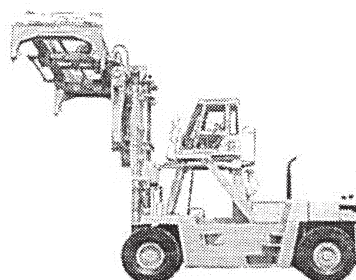
CODE F1
Counterbalanced Lift Truck
Up to rated capacity of 3000 kg



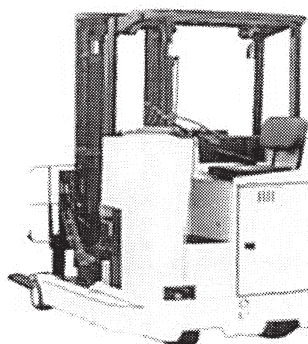
CODE F2
Counterbalanced Lift Truck
Up to rated capacity of 7000 kg



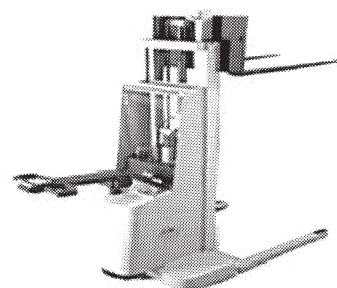
CODE F3
Counterbalanced Lift Truck
Up to rated capacity of 15000 kg



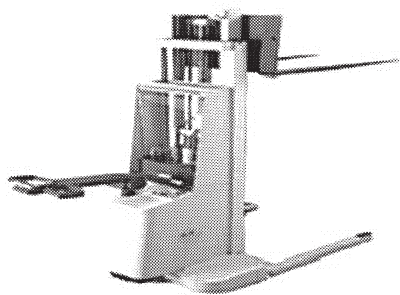
CODE F4
Counterbalanced Lift Truck
Above rated capacity of 15000 kgs



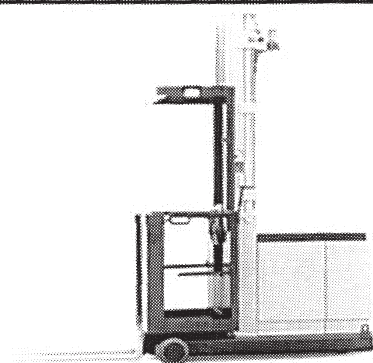
CODE F5
Reach Lift Truck
Up to rated capacity of 2500 kg



CODE F6
Pedestrian-Controlled Lift Truck
Below rated capacity of 2000 kg



CODE F7
Pedestrian-Controlled Lift Truck
Above rated capacity of 2000 kg



CODE F8
Order Picker Lift Truck
For First and Second Level Racking (NA/WA)



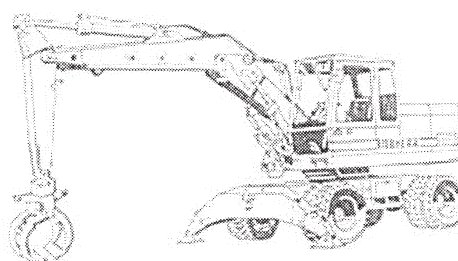
CODE F9
Order Picker Lift Truck
For All Racking Levels Including High-Rise (NA/WA)



CODE F10
Side Loader Lift Truck
Capacity as Specified on the Certificate



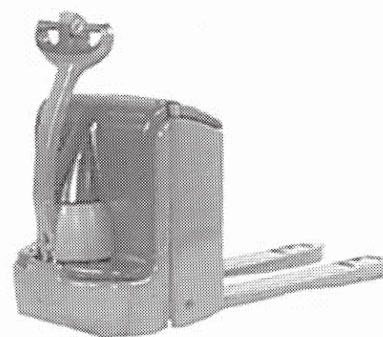
CODE F11 (A)
Rough Terrain/Earthmoving/Agriculture Equipment
with Lift Truck Attachment



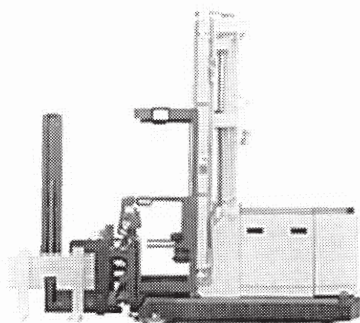
CODE F11 (B)
Rough Terrain/Earthmoving/Agriculture
Equipment with Lift Truck Attachment



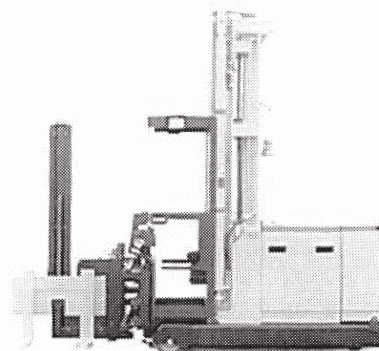
CODE F11 (C)
Rough Terrain/Earthmoving/Agriculture Equipment
with Lift Truck Attachements



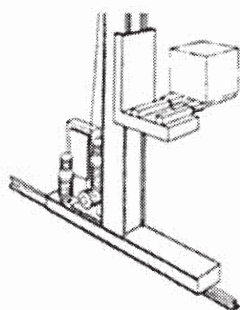
CODE F12
Pallet Lift Truck Battery Operated



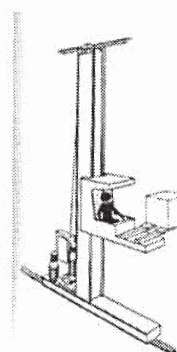
CODE F13
VNA Lift Truck Non-Elevating Cab Services all levels



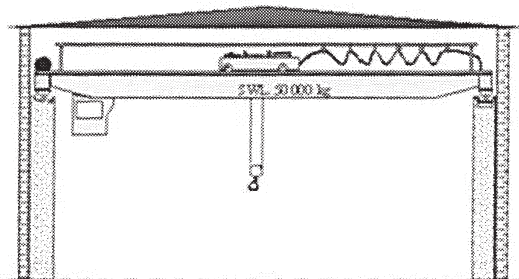
CODE F14
VNA Lift Truck Elevating Cab Service all levels



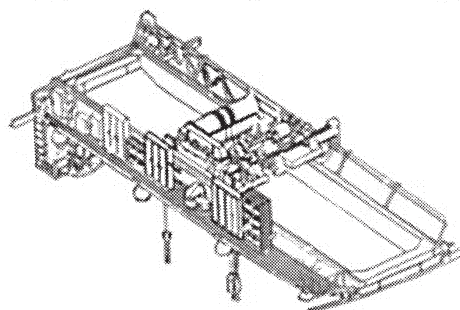
CODE F15
Railmounted Stacker Lift Truck Non-Elevating cab



CODE F16
Railmounted Stacker Lift Truck Elevating cab



CODE C30
Overhead Crane Pendant and Radio Controlled



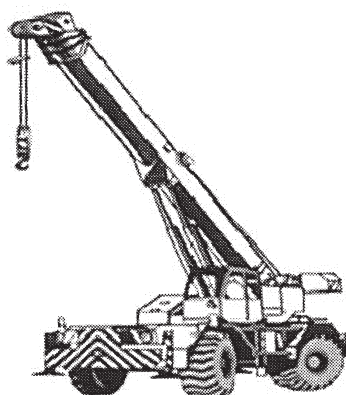
CODE C31
Overhead Crane Cab Controlled



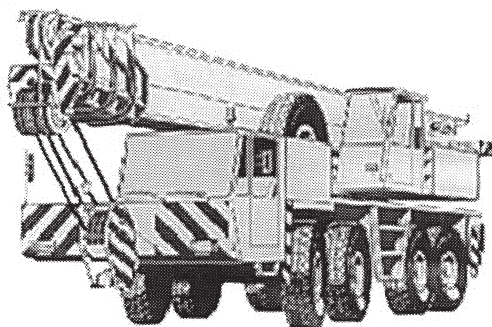
CODE C32
Truck mounted Crane up to the capacity stated on the certificate



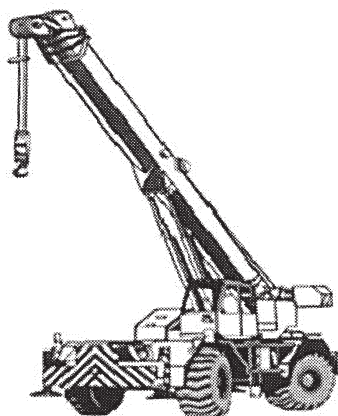
CODE C33
Hydraulic Mobile Crane up to 50 000 kg capacity



CODE C34
Hydraulic Crane Pickup and Carry up to 50 000 kg capacity



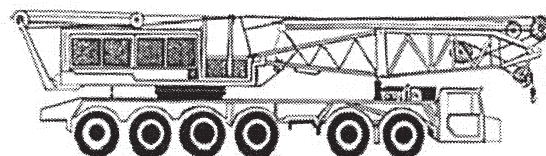
CODE C35
Hydraulic Mobile Crane
Above 50 000 kg capacity



CODE C36

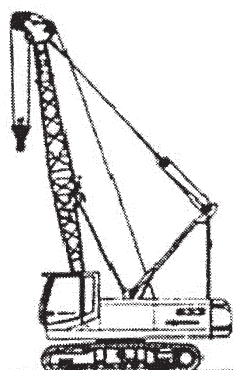
Hydraulic Crane Pickup and Carry

Above 50 000 kg capacity



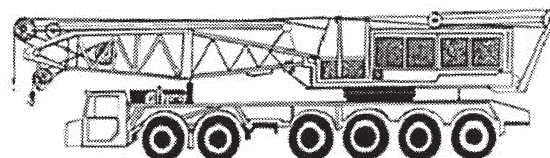
CODE C37

Lattice Boom Mobile Truck Crane up to 50 000 kg capacity



CODE C38

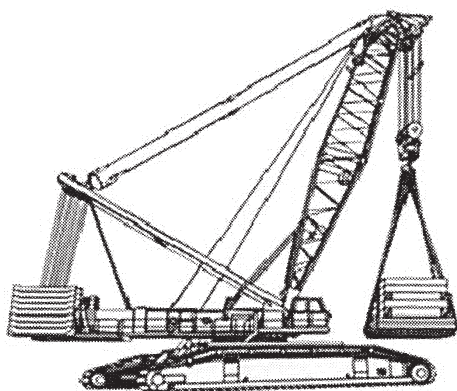
Lattice Boom Mobile Crawler Crane up to 50 000 kg capacity



CODE C39

Lattice Boom Mobile Truck Crane

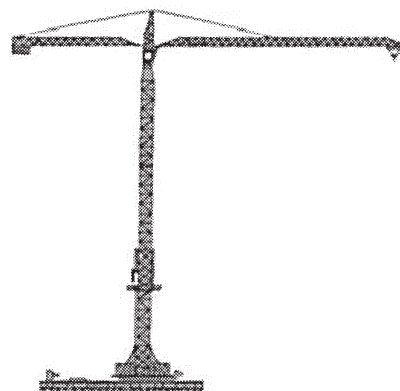
Above 50 000 kg capacity as stated on the certificate



CODE C40

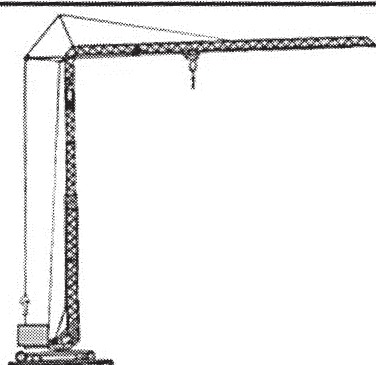
Lattice Boom Mobile Crawler Crane

Above 50 000 kg capacity as stated on the certificate

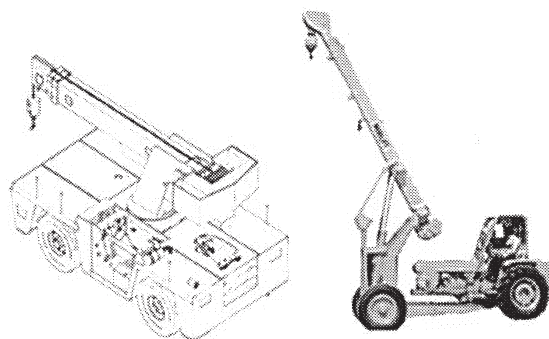


CODE C41

Tower Crane: Top Slewing



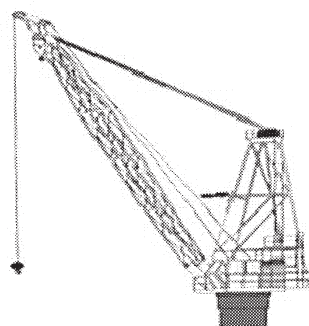
CODE C42
Tower Crane: Bottom Slewing



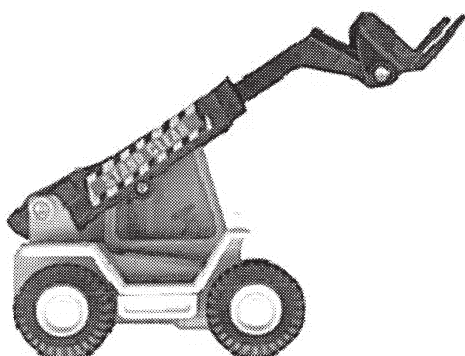
CODE C43
Mobile Hydraulic Crane up to 15000 kg capacity



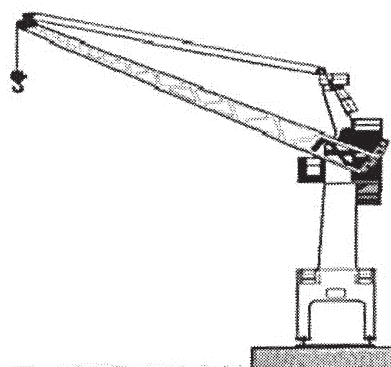
CODE C44
Sugar Cane Crane



CODE C45
Ships Crane



CODE C46
Telescopic Boom Handler



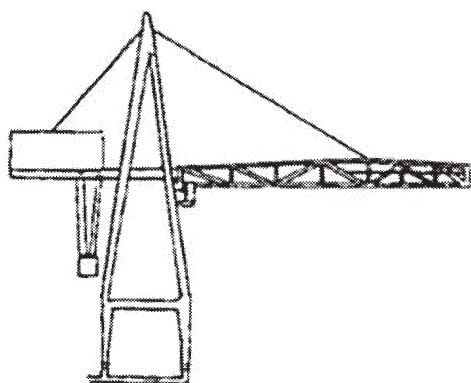
CODE C47
Wharf Side Crane: (Railmounted)



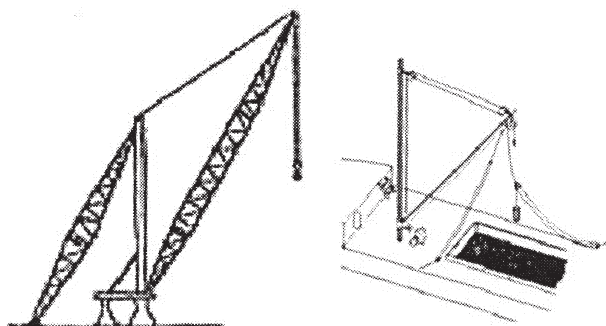
CODE C48
Reach Stacker



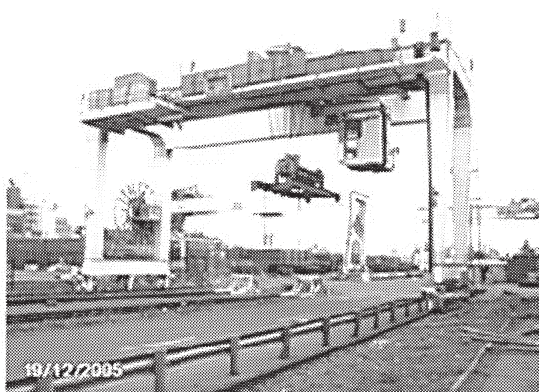
CODE C49
Straddle Carrier



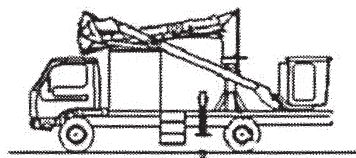
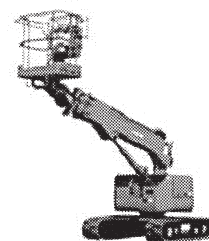
CODE C50
Cantilever Container Crane



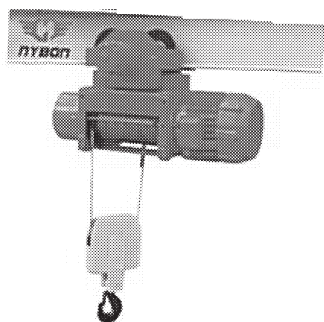
CODE C51
Scotch Derrick Crane (Ship mounted)



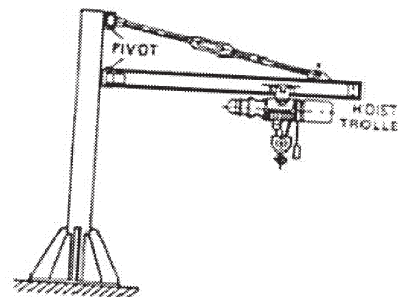
CODE C52
Rail Mounted Gantry Crane



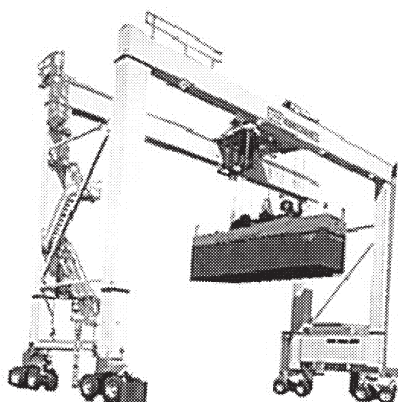
CODE C53
Mobile Elevated Work Platform



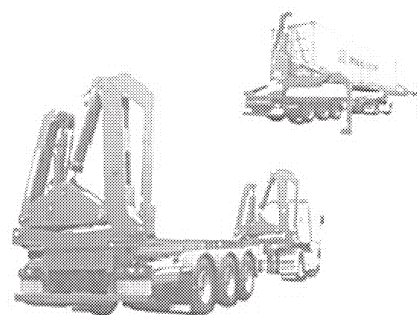
CODE C54
Hoist on a fixed structure



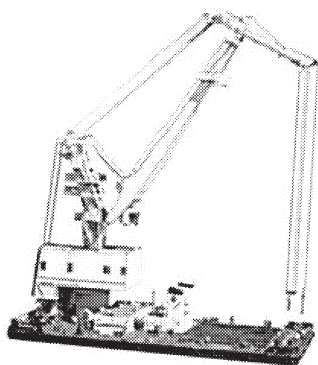
CODE C54
Pillar Mounted Jib Crane



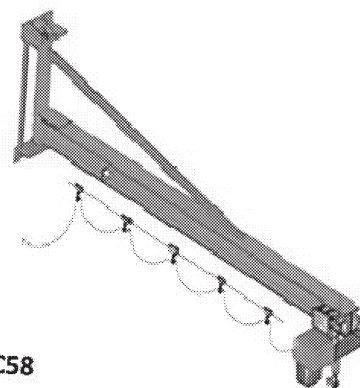
CODE C55
Rubber Tyred Gantry Crane



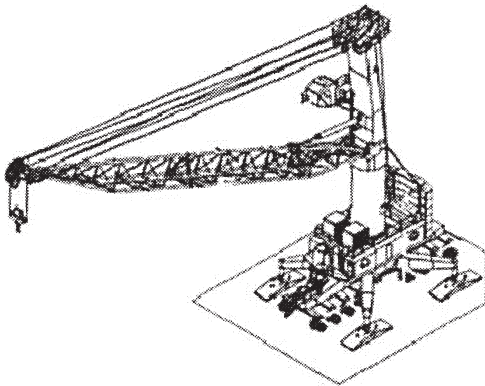
CODE C56
Side Loader Container



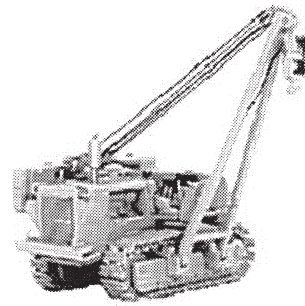
CODE C57
Floating Crane



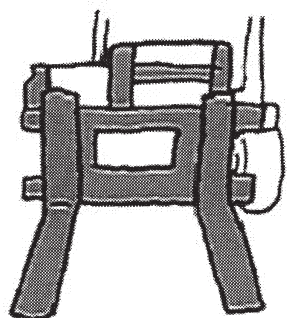
CODE C58
Wall Mounted Jib Crane



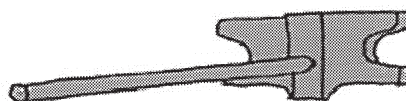
CODE C59
Wharfside Jib Crane (Rubber Tyred)



CODE C60
Side Boom Crane



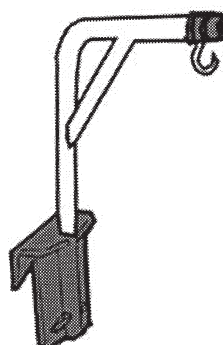
A Side - Shift



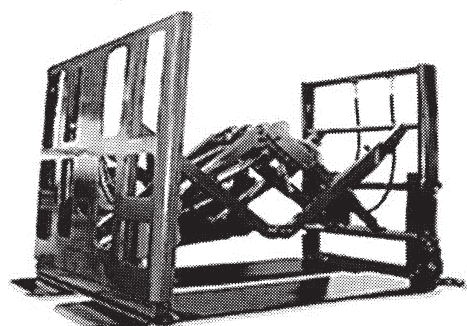
B Single POLE



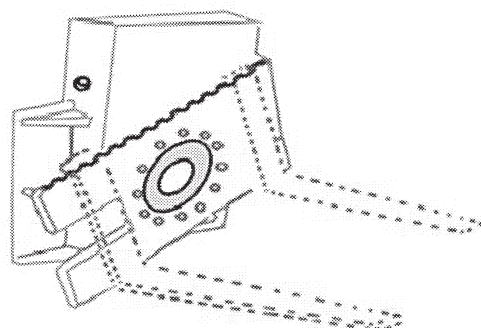
C Carton or Paper Roll Clamp



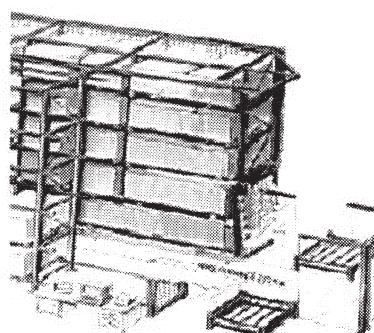
D Crane Hook



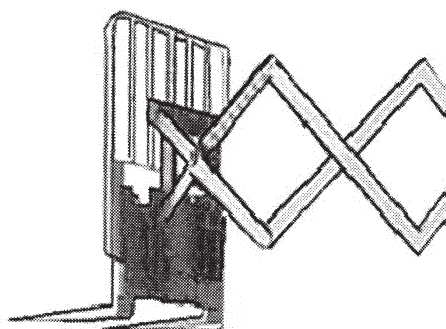
E Push Pull Slip-sheet Equipment



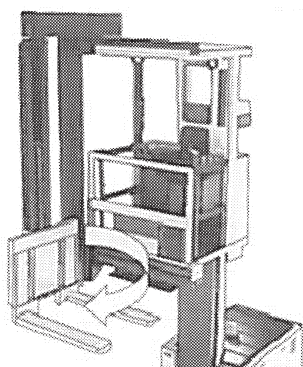
F Load Rotator



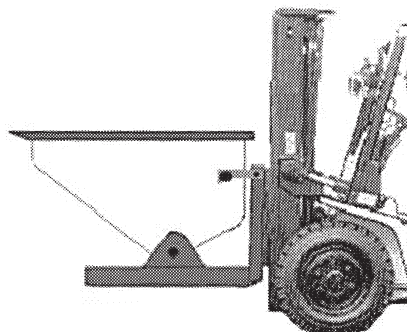
G Wire Guidance System



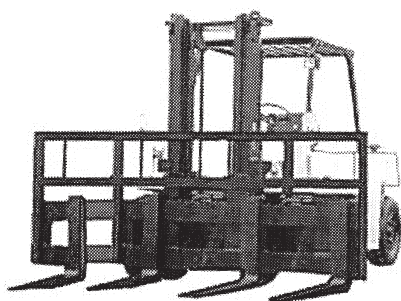
H Load Extended Pantograph



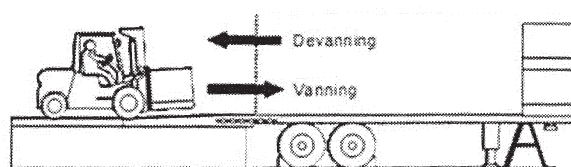
I Rotating Mash



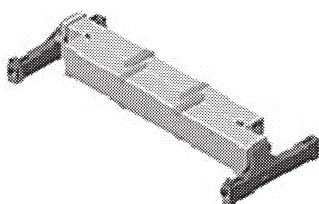
J Tilting Bucket



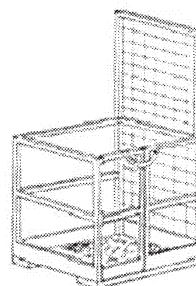
K Tandem Forks



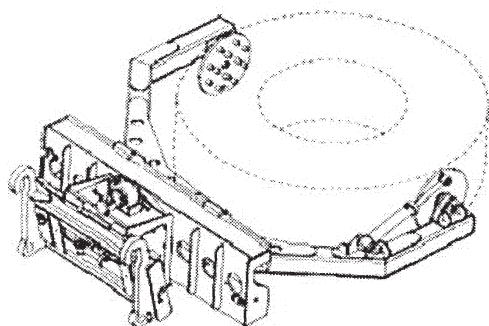
L Container Vanning and Devanning



L Container Handling

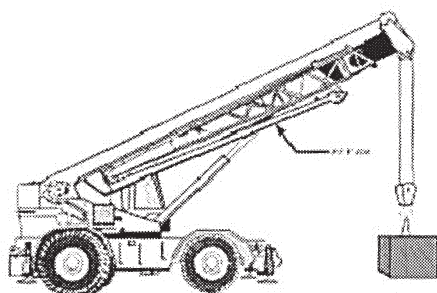


M Lifting Cradle (Personnel Cage)

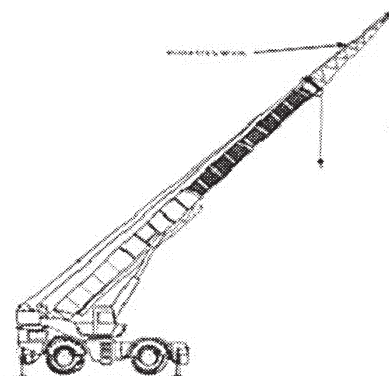


N Earthmoving Tyre Handling

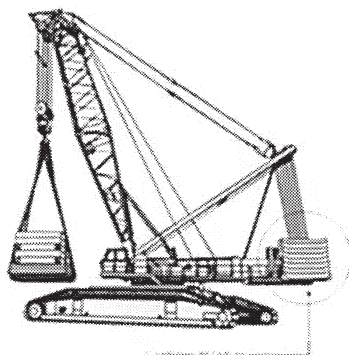
ATTACHMENT AND SPECIAL OPERATIONS (CRANES)



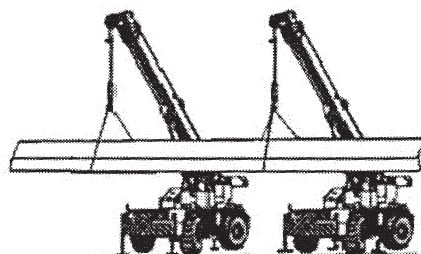
O Fly-jib (Lattice)



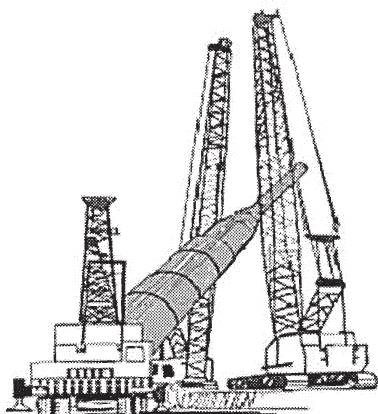
P Boom Extension (Hydraulic)



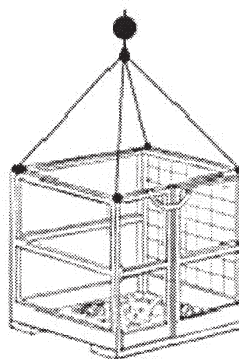
Q Counterweight Options



R Tandem Lifts



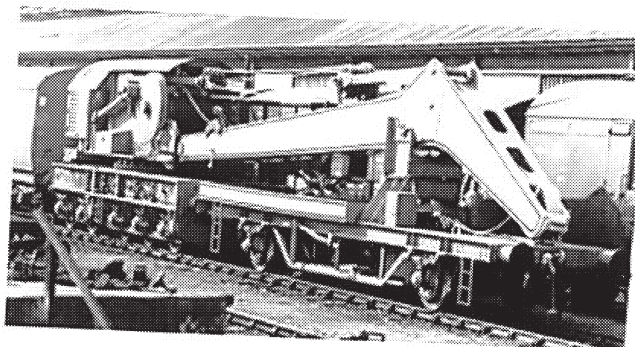
S Special Categories



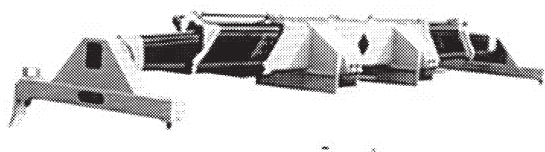
T Lifting Cradle (Personnel Cage)



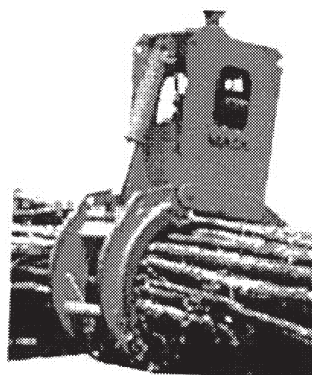
U Rail Mounted Crane



V Steam Driven Crane



W Container Spreader



X Grable / Grapple

