

TITLE : TETA – OPERATE HEAVY CRANE



Document Owner: Operations Manager

SAQA US ID	242982	ELECTIVE		
Unit Standard Title	Operate heavy crane			
NQF Level	03	SGB	Transport and Logistics Operations	
Credits	14	Notional Hours		140
Duration	Candidate	Knowledge	Practical	Workplace
	Novice	3 days	7 days	N/A
	RPL (Re-fresher)	N/A	N/A	N/A
	Re-certification	1 day	1 day	N/A
Ratio of candidates to assessor	4:1		4:1	N/A

NOTE: The training duration applied to one specific range of heavy crane and excludes tandem lifting
 : The duration will be extended if the candidates are required to train on attachments such as Fly Jib (P),
 : Boom Extension (Q), Counter Weight Options (R) and Special Categories (T) or;
 : if the assessor is not satisfied with the candidate's performance.
 : For re-certification, previous certificates, not older than 90 days of its expiry date are to be produced as evidence

<p align="center"><u>PURPOSE OF THE COURSE</u></p> <p>A person is able to identify the safety and suitability of crane type prior to utilisation while applying methods of inspecting and recording the operational fitness of all components of the crane. Learners are also able to operate heavy cranes in a safe and competent manner</p>	<p align="center"><u>PRE-REQUISITES</u></p> <ul style="list-style-type: none"> • Communication and Mathematical Literacy at NQF Level 2 or Grade 10. • Crane operators that drive on Public Roads will require the relevant driver's license, in accordance with the National Road Traffic Act requirements – EC License and PrDP • Copy of an ID certified no more than 3 months • The operator should be declared physically fit and have completed an eyesight test and an industry recognised depth perception • Hand-eye co-ordination test e.g. Dover Test
<p align="center"><u>SPECIFIC OUTCOMES OF THE COURSE</u></p> <ul style="list-style-type: none"> • Identify the safety and suitability of crane type prior to utilisation thereof, giving consideration to freight characteristics, equipment manufacturers' requirements and environmental conditions • Apply the recognised methods for inspecting and recording the operational fitness of all components of the crane with reference to safety procedures in the workplace • Operate the heavy crane in a safe and competent manner. • Access available support systems and emergency services in case of incidents and accidents 	<p align="center"><u>ESSENTIAL EMBEDDED KNOWLEDGE</u></p> <ul style="list-style-type: none"> • The differences in range, structure, function and capacity between LIGHT and HEAVY cranes • The requirement for certification which verifies the safety of the crane, as defined in legislation (Driven Machinery Regulation 18) by a "competent authority". • The pre-operational and operational and 'close down' checks for the components of the specific heavy crane. • The principles of lifting weights and the variances of safe capacities according to load chart and/or range diagrams (e.g. Manufacturer's specifications). • Safe and correct slinging methods that can be used with package types normally dealt with by HEAVY cranes. • Knowledge of pre-trip inspection, operating, shut down and parking of equipment. • Handling equipment capacity, rating and operation i.e. using the correct equipment for the correct mass, as well as the principles of operation. • Safety precautions in operating the equipment for particular product types. • Safety measures, and in the event of incidents and accidents, procedures to be followed.

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	<ul style="list-style-type: none">• The relevant national and international standards, codes and legislation pertaining to the selected area of specialisation.<ul style="list-style-type: none">> Codes:> IMDG code.> Regulations/legislation:> OHS Act.> Environmental control regulations e.g. on lead control, asbestos.> Air pollution legislation.> Emergency procedures as reflected in legislation.> Customs and international regulations requirements related to HG logistics.> Standards: ISO 9002/9004.
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