

	Certification Scheme Emirates Safety Services LLC	Document No.	ESS-CS-01
		Revision No.	0
		Date	01-08-2021
Certification Scheme for Mobile Crane Operator			Page 1 of 16



CERTIFICATION SCHEME FOR **MOBILE CRANE OPERATOR**

(As per BS EN ISO/IEC 17024:2012 & PHSD)

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	Certification Scheme Emirates Safety Services LLC	Document No.	ESS-CS-01
		Revision No.	0
		Date	01-08-2021
Certification Scheme for Mobile Crane Operator			Page 2 of 16

TABLE OF CONTENTS

Section	Title	Page No.
1	Introduction	3
2	Company Policy	3
3	Commitment to Impartiality	4
4	Disciplinary Policy	4
5	Eligibility and Occupational Health Evaluation	5
6	Candidates Rights and Duties	5
7	Certification Scope	7
8	Job and Task Description	7
9	Candidates Required Competence	7
10	Candidates Abilities	8
11	Pre-requisites	8
12	Code of Conduct	8
13	Certification Requirements of Mobile Crane Operator	9
13 A	Criteria for Initial Certification & Recertification Process	9
13 B	Assessment Methods for Initial Certification & Recertification	10
13 C	Time Examination and Order	12
13 D	Decision Making Process	12
13 E	Issuance of Certificate & ID Card	13
13 F	Certification Time Frame	13
13 G	Re-set Examination for Initial Examination and Re-examination	14
13 H	Training Requirements	14
13 I	Unsafe Act	14
13 J	Weather Conditions and Equipment Problems	15
13 K	Suspending and Withdrawing of Certification	16



	Certification Scheme Emirates Safety Services LLC	Document No.	ESS-CS-01
		Revision No.	0
		Date	01-08-2021
Certification Scheme for Mobile Crane Operator			Page 3 of 16

1. INTRODUCTION:

Emirate Safety Services was established in Abu Dhabi in 1979 Inspection & supplying lifting equipment to the oil sector. ESS operations are carried out in S02, Jebel Ali Industrial Area, Jebel Ali, Dubai, UAE.

Our Inspection Division is Accredited by Emirates International Accreditation Centre (EIAC) to ISO 17020:2012 and approved by the EIAC. Our Fire Division is an approved Service Center for Marine Fire and Safety equipment by: Dubai Civil Defense.

SKILLS TRAINING

Skills training for Lifting equipment operators from Cranes to Forklifts.

Basic / Advanced Rigger Training takes the trainee through all aspects of Rigging & Slings.

Machine Operator Training for Mobile / Crawler / Overhead / Tower Crane Operators and Forklift Operators.


2. COMPANY POLICY

Emirates Safety Services LLC aims to provide service satisfaction and safety for its customers through implementation and continual improvement of its quality system that is established to comply with ISO 17024:2012 requirements.

The top management is committed to continuous enhancement of leadership and professionalism inside out of its business sphere by means of:

- ❖ Timely delivery of quality product at the right price
- ❖ Impartial and regular communication internally and externally
- ❖ Ensure Impartiality & Confidentiality of ESS activities are assured at the organizational & at personal level.
- ❖ Proper training of its personnel in order to exceed customers' expectation
- ❖ Adhering to the legal, International and Local Regulations.



	Certification Scheme Emirates Safety Services LLC	Document No.	ESS-CS-01
		Revision No.	0
		Date	01-08-2021
Certification Scheme for Mobile Crane Operator			Page 4 of 16

Emirates Safety Services LLC is responsible for, retains the authority for and not delegates its decisions relating to certification, including granting, maintaining, recertifying, expanding and reducing the scope of the certification, and suspending or withdrawing the certification.

3. COMMITMENT TO IMPARTIALITY

Emirates Safety Services LLC Top Management is committed to impartiality in its certification activities. The top management of Emirates Safety Services LLC understands the importance of impartiality in carrying out its certification activities, manages conflict of interest and ensures the objectivity of its certification activities.

Emirates Safety Services LLC has documented a procedure for managing impartiality and conflict of interests.

Emirates Safety Services LLC acts impartially in relation to its applicants, candidates and certified persons. Its policies and procedures are fair among all.

Emirates Safety Services LLC is not restricted on the grounds of undue financial or other limiting conditions and it does not use procedures to unfairly impede or inhibit access by applicants and candidates.


Emirates Safety Services LLC structured and managed its certification activities so as to safeguard impartiality.

4. DISCIPLINARY POLICY

Emirates Safety Services LLC certification scheme committee has established and implemented standards and codes of conduct, such as ethical standards and policies and procedures for disciplinary action, Grounds for revocation of certification include, but not limited to, the following:

- a) Period of certification exceeded without renewal



	Certification Scheme Emirates Safety Services LLC	Document No.	ESS-CS-01
		Revision No.	0
		Date	01-08-2021
Certification Scheme for Mobile Crane Operator			Page 5 of 16

- b) Evidence of falsification of any information on any documents submitted to the department or its agent
- c) Evidence of non-compliance with Substance Abuse Policy
- d) Evidence of culpability in an accident during certification period
- e) Evidence of non-compliance with medical requirements required for the Occupational Health Card issuance
- f) Evidence of non-compliance with the Code of Ethics

5. ELIGIBILITY, OCCUPATIONAL HEALTH EVALUATION

5 A. ELIGIBILITY

To be eligible for certification, candidates must:

- a. Be at least 18 years of age
- b. Have valid occupational health card issued by relevant department.
- c. Have valid driving license from the relevant authority
- d. Comply with LEOTF Substance Abuse Policy
- e. Comply with LEOTF Code of Ethics.
- f. Pass Written/Oral Examination (Core Exam and at least one Specialty Exam) with score not less than 80%
- g. Pass Practical Examination with score not less than 75%


5 B. OCCUPATIONAL HEALTH EVALUATION

It's the candidates responsibility to continue to meet occupational health card requirements throughout their certification period, Emirates Safety Services LLC do not conduct health and physical evaluation for the candidates.

Emirates Safety Services LLC will make sure during the examination that the candidate is physically and mentally capable of operating the crane safely.

6. CANDIDATE RIGHTS AND DUTIES



	Certification Scheme Emirates Safety Services LLC	Document No.	ESS-CS-01
		Revision No.	0
		Date	01-08-2021
Certification Scheme for Mobile Crane Operator			Page 6 of 16

6 A. CANDIDATE RIGHTS

- All candidates will receive certification and ID cards upon certification.
- The candidate has the right to reschedule the examination by informing Emirates Safety Services LLC two days prior the examination time.
- All information received from the applicants, candidates or certified persons and information obtained during the certification process is not disclosed to an unauthorized party without the written consent of the individual (applicant, candidate or certified person), except where the law requires such information to be disclosed.
- When Emirates Safety Services LLC is required by law to release confidential information, the applicant, candidate or certified person will be notified as to what information will be provided.
- All applicants, candidates or certified persons can raise a complaint in case of any dissatisfaction by sending email to Four International provided email address including all details of his complaints.
- All applicants, candidates or certified persons can raise an appeal against the certification decisions by sending email to Four International provided email address including all details of his appeal.
- For an applicant with special needs has opportunity to declare, within reason, a request for accommodation.

6 B. CANDIDATE DUTIES

- All candidates must provide true and valid information and details in the application form as they will be used to assess his competency for granting the certification.
- All candidates must comply with the relevant provision of the certification requirements and to supply any information needed for assessment
- To inform the certification body, without delay, of matters that can affect my capability to fulfil the certification requirements.



	Certification Scheme Emirates Safety Services LLC	Document No.	ESS-CS-01
		Revision No.	0
		Date	01-08-2021
Certification Scheme for Mobile Crane Operator			Page 7 of 16

- d. All candidates must comply with the examination policy in maintaining the integrity and security of the examination process and not to release confidential examination materials or participate in fraudulent test-taking practices.
- e. All candidates can make claims regarding certification only with respect to the scope for which the certification has been granted.
- f. Candidates must not use the certification in such a manner as to bring Emirates Safety Services LLC into disrepute, and not to make any statement regarding the certification which the certification body considers misleading or unauthorized.
- g. All candidates must discontinue the use of all claims to certification that contain any reference to the certification body or certification upon suspension or withdrawal of certification, and to return any certificates issued by the certification body.
- h. Candidate have to notify Emirates Safety Services LLC if the examiner is known to him during the examination process to prevent any conflict of interest.

7. CERTIFICATION SCOPE

This assessment is carried out to evaluate the competency of operators with regard to the safe operation of a Mobile Crane.


8. JOB AND TASK DESCRIPTION

The certification scope involves personnel that are required to operate the Mobile crane in the safest manner and to demonstrate all movements of the crane smoothly.

9. CANDIDATES REQUIRED COMPETENCE

Emirates Safety Services LLC certification exams are designed for operators who are trained and who currently work in lifting equipment operation and shall have minimum one-year experience of crane operation.



	Certification Scheme Emirates Safety Services LLC	Document No.	ESS-CS-01
		Revision No.	0
		Date	01-08-2021
Certification Scheme for Mobile Crane Operator			Page 8 of 16

10. CANDIDATES ABILITIES

All candidates who are seeking the certification should make sure that they are physically and mentally capable to perform their duties and to operate the crane safely and must continue to meet occupational health card requirements throughout their certification period.

11. PREREQUISITES

All candidates have to bring their ID to the examination.


12. CODE OF CONDUCT

12 A. CODE OF ETHICS FOR CERTIFIED CRANE OPERATOR

Certified crane operator must comply with Code of Ethics during his certification, set as below:

- Free of bias with regard to religion, ethnicity, gender, age, national origin and disability.
- To place the safety and welfare of workers associated with the lifting operation above all other consideration.
- To protect nearby general public property and the environment.
- Make management aware if he has safety concerns relating to the lifting operations that he is performing.
- Not knowingly violate safety-related regulations, warnings, or instructions set forth by the authority, recognized safety standards, the lifting equipment manufacturer, or relevant department.
- Not misrepresent or knowingly deceive others concerning the experience or the capabilities of himself or the crane he is operating.
- Not misrepresent or misuse his certification card, both of which are the property; and understand that he must return the card to the issuing authority immediately if required to do so.



	Certification Scheme Emirates Safety Services LLC	Document No.	ESS-CS-01
		Revision No.	0
		Date	01-08-2021
Certification Scheme for Mobile Crane Operator			Page 9 of 16

12 B. SUBSTANCE ABUSE POLICY

It is the policy of the department that crane operators shall not use prescribed or over the counter substances that would impair their ability to operate cranes safely. This includes illegal drugs, controlled substances (including trace amounts), look-alike drugs, designer drugs, or any other substance that may have an effect on the human body of being a narcotic, depressant, stimulant, or hallucinogen.

An exception to this rule is that an operator may use such a substance or drug if it is prescribed by a licensed medical practitioner who is familiar with the operator's medical history and all assigned duties, and who has advised the operator the prescribed substance will not adversely affect the operator's ability to operate a crane safely.

It is the responsibility of the certifying organization to have the candidate understands the Code of Ethics and the Substance Abuse Policy.


13. CERTIFICATION REQUIREMENTS OF MOBILE CRANE OPERATOR

13 A. CRITERIA FOR INITIAL CERTIFICATION AND RECERTIFICATION PROCESS

13 A1: Submission of Application

- ❖ The candidate must complete and sign the application form which will be sent to him after receiving his inquiry of initial certification or recertification.
- ❖ The candidate is required to submit the application form attached with the following:
 - ✓ *Passport copy*
 - ✓ *Valid residence visa copy*
 - ✓ *Labor card copy*
 - ✓ *Driving license copy*
 - ✓ *Colored photograph (not older than six months)*
 - ✓ *Proof of training (if relevant), copy of your previous certificate*



	Certification Scheme Emirates Safety Services LLC	Document No.	ESS-CS-01
		Revision No.	0
		Date	01-08-2021
Certification Scheme for Mobile Crane Operator			Page 10 of 16

✓ *Evidence of working experience*

- ❖ If the inquiry received from a company which is seeking Emirates Safety Services LLC certification service for its employees, declaration of work experience form will be sent along with the application form to be filled and signed by an authorized personnel in the company to declare the experience of the applicants. This form will be used as evidence of working experience of applicants.

13 A2: Recertification Process


- ❖ Emirates Safety Services LLC will remind the certified personnel of his certification expiration 2 months prior to the expiration date.
- ❖ If the personnel wants to re-certify , application form will be sent to him to be filled and submit it back.
- ❖ All candidates must complete all recertification requirements prior to the certification's expiration date. This includes:
 - ✓ Passing the recertification written and practical examination
 - ✓ Continuing to meet Occupational Health Card requirements
 - ✓ Have valid driving license from the relevant authority where applicable
 - ✓ Compliance with Substance Abuse policy
 - ✓ Compliance with the Code of Ethics
- ❖ Recertification Written/Oral and practical examinations must be taken up to one month prior to the certification's expiration date.
- ❖ Candidates who are not certified in all specialties may add a new specialty at the same time as they take their Recertification Examination and he must fill an application form to specify the required specialty.

13 B. ASSESSMENT METHODS FOR INITIAL CERTIFICATION AND RECERTIFICATION

- ❖ The mobile crane operator assessment methods will consist of two stages:

1. Written Examination



	Certification Scheme Emirates Safety Services LLC	Document No.	ESS-CS-01
		Revision No.	0
		Date	01-08-2021
Certification Scheme for Mobile Crane Operator			Page 11 of 16

2. Practical Examination

- ❖ All candidates must register and take both examinations.
- ❖ Candidate must pass both examinations, Written and Practical, and comply with all requirements to be certified.

13 B1: Written Examination

Consists of Core Examination and Specialty Examination

- ❖ Core Examination
 - ✓ It tests the areas relating to the general lifting operation
 - ✓ It consists of 30 multiple choice question
- ❖ Specialty Examination
 - ✓ It tests the areas relating to the operation of mobile crane lifting equipment.
 - ✓ It consists of 20 multiple choice question for each specialty, Mobile crane.
- ❖ Written examination may be conducted at the client premises, as feasible.
- ❖ If the client does not have adequate premises to conduct the examination, Emirates Safety Services LLC will arrange for it at its premises.
- ❖ Minimum passing score is 80%

13 B2 : Practical Examination

- ❖ Practical examination will be conducted at the client site which is oral and practical.
- ❖ The practical examination demonstrates crane operation proficiency
- ❖ The practical test is structured in such away :
 - ✓ That it enables the operator to demonstrate safe and controlled operation in all circumstances, that regardless of prior knowledge of the crane he carries out pre start up checks.
 - ✓ That the set up and pre lift checks are done (ground conditions, local hazards, weather etc).
 - ✓ That the operator follows signals correctly and does not pre-empt or assume actions or direction to be taken.



	Certification Scheme Emirates Safety Services LLC	Document No.	ESS-CS-01
		Revision No.	0
		Date	01-08-2021
Certification Scheme for Mobile Crane Operator			Page 12 of 16

- ✓ That the operator can estimate heights of surrounding structures relative to his crane and the load path and in case of mobile crane accurately judge the distance to the floor or landing point.
- ✓ That he has good hook/load control
- ❖ The examiner's task is primarily to record the performance of the candidates.
- ❖ Scoring criteria will be set by the examiner.
- ❖ Minimum passing score is 75%.

13 B3 : Combining certification requirements

❖ Written/Oral

- ✓ Core exam maybe administered separately if the candidate would like to take more than one specialty.
- ✓ Core and specialty exams maybe administered separately or combined if the candidate would like to take only one specialty.

❖ Practical


- ✓ Once a practical examination starts for any certification area, it shall be finished prior starting other practical examination in other areas.
- ✓ Examiners are not allowed to combine the performance requirement of different specialties into one specialty

13 C. TIME EXAMINATION AND ORDER

- ❖ Candidates may take their written and practical examination in any order.
- ❖ In the normal cases, the examination time will be as following:
 - ✓ Written Examination: 1 hour
 - ✓ Practical Examination: 1 hour/ candidate
- ❖ In other cases, Time examination maybe extended by the examiner based on other variables and/or language barriers.

13 D. DECISION MAKING PROCESS



	Certification Scheme Emirates Safety Services LLC	Document No.	ESS-CS-01
		Revision No.	0
		Date	01-08-2021
Certification Scheme for Mobile Crane Operator			Page 13 of 16

- ❖ After examination is done, the examiner will collect examination sheets, put them in a file, seal it and take them for scoring.
- ❖ The scoring will be done as the criteria set by the certification department at Emirates Safety Services LLC, the minimum passing score for written examination is 80% and for practical is 75%.
- ❖ All candidates must pass both examination, written and practical.
- ❖ The scoring results will be passed to the decision maker who will make his decision based on the examination score, complying with all requirements, and completion of the certification fees.
- ❖ If all requirements are met, the candidate will be deemed as competent. A certificate and ID card will be issued.


13 E. ISSUANCE OF CERTIFICATE AND ID CARD

- ❖ Competency certificate will be issued by Emirates Safety Services LLC, signed by the authorized signatory.
- ❖ ID card will be issued by Emirates Safety Services LLC for each certified person.
- ❖ Certificate will include at least, but not limited to the photo of the certified personnel, unique identification number for tracking, Category of equipment that the individual is certified to operate, issue date, expiry date and validity in addition to other contents as required by ISO 17024 standard.
- ❖ ID card will not replace the driving license and all ID Cards will include the sentence **“This is not a driving license”**.
- ❖ All certified personnel should keep their original card with them all the time for review and checking from the relevant authorities during inspection.

13 F. CERTIFICATION TIMEFRAME

- ❖ All Certificates and certification ID cards will be valid for 1 year.



	Certification Scheme Emirates Safety Services LLC	Document No.	ESS-CS-01
		Revision No.	0
		Date	01-08-2021
Certification Scheme for Mobile Crane Operator			Page 14 of 16

- ❖ If a certified operator subsequently becomes certified in additional Specialties by taking the appropriate written and practical specialty exams, the one-year certification period for the additional Specialties begins at the same time as he was originally certified.
- ❖ All specialties expire on the same date, regardless of when in the one-year certification period the candidate passed them.

13 G. RE-SET EXAMINATION FOR INITIAL EXAMINATION AND RE-EXAMINATION

Normally, the candidate must pass both written and practical examination to be competent but if:

- ❖ If the candidate has passed the written examination and he failed in the practical or vice versa then, re-set examination will be conducted.
- ❖ The re-set examination will be scheduled with Emirates Safety Services LLC Certification department.
- ❖ The fee of the re-set examination will be 50% of the original certification fee.
- ❖ If the candidate fails in either one or both written or practical exam twice (Two times in a row) will not take any further assessment until he undertakes a relevant training.

13 H. Training Requirement


Candidates who fail in either one or both written or practical exam twice (Two times in a row) will not take any further assessment until they undertake a relevant training. The training must be as following:

For mobile crane operator: 3 days, 5-7 hrs.

13 I. UNSAFE ACT

- ❖ If at any time during the pre-test period or during the test, candidates commit an unsafe act, examiners must disqualify candidates from continuing with the test if any of the unsafe acts present include but are not limited to the following:
 - ✓ Dropping the overhaul ball or test weight
 - ✓ Two blocking of the crane
 - ✓ Uncontrolled or reckless operation



	Certification Scheme Emirates Safety Services LLC	Document No.	ESS-CS-01
		Revision No.	0
		Date	01-08-2021
Certification Scheme for Mobile Crane Operator			Page 15 of 16

- ✓ Failure to respond to a stop signal
- ✓ Contracting an obstruction with the crane or test weight
- ✓ Any action that could endanger personnel or equipment at the test site.
- ❖ The examiner has the authority to stop the test at any time for reasons of safety. Examiners are responsible for informing Public Health and Safety Department in that case by either emails, letter or fax, records will be kept.
- ❖ If the candidate is disqualified due to an unsafe act, the case will be reviewed by the relevant authority, and candidate will be notified with the department decision of the eligibility for rescheduling the practical exam or otherwise.

13 J. WEATHER CONDITIONS AND EQUIPMENT PROBLEMS

- ❖ The examiner must use an anemometer to check the wind speed and then will record the weather conditions on the examination sheet.
- ❖ The examiner has the responsibility to determine if the weather conditions or equipment problems are such that a test needs to be suspended.
- ❖ If the test is interrupted due to weather conditions or equipment problems, the procedures for restarting is as follows:
 - ✓ Candidate will resume the test at the beginning of the task he was performing at the time of interruption.
 - ✓ If candidate resume the test on a different machine, he may start the entire test over from the beginning.
 - ✓ If the testing is delayed to a different day, the test will be restarted from the beginning.

13 K. SUSPENDING AND WITHDRAWING OF CERTIFICATION

- ❖ Emirates Safety Services LLC has a documented procedure for suspension or withdrawal of the certification, or reduction of the scope of certification.



	Certification Scheme Emirates Safety Services LLC	Document No.	ESS-CS-01
		Revision No.	0
		Date	01-08-2021
Certification Scheme for Mobile Crane Operator			Page 16 of 16

- ❖ Failure to resolve the issues that have resulted in the suspension, in a time established by Emirates Safety Services LLC, shall result in withdrawal of the certification or reduction of the scope of the certification.
- ❖ Emirates Safety Services LLC shall have enforceable arrangements with the certified person to ensure that, in the event of suspension of certification, the certified person refrains from further promotion of the certification while it is suspended.
- ❖ Emirates Safety Services LLC shall have enforceable arrangements with the certified person to ensure that, in the event of withdrawal of certification, the certified person refrains from use of all references to a certified status.

