

Construction Skills Certification Scheme

Candidate Pack for CSCS Articulated Dumper

Please read this document carefully. Further information and clarification may be obtained from the CSCS Operations Unit, phone 01 533 2500

Guidance Notes for Candidates

The following documents are also attached:

- Part 1 – Skills Self-Analysis
- Part 2 – Applicant Details
- Part 3 – Endorsement of Operating Competence
- Part 4 – Practical Test Criteria

Aim of Programme

The CSCS plant training and assessment programme enables trained construction plant operators to gain recognition for their achievements by the way of certification, and provide an opportunity for participants to demonstrate their skills, knowledge and attitudes associated with plant operations, which provides suitable certification.

Candidate Profile

Candidates for this programme must:

- Have at least six months full time experience operating as a trainee Articulated Dumper operator in construction in accordance with the 5th Schedule – of the Safety, Health and Welfare at Work (Construction) Regulations 2013 – S.I. No. 291 of 2013. The six months experience must be within the last two years.
- Possess a valid 'Safe Pass' registration card
- Be at least 18 years of age

Note: The above items must be verified by the current or previous employer (Part 3 of this pack)

Application Requirements

- Approved Training organisations must send the Candidate Pack and Course Notes to the Candidate at least five days prior to the course date.
- Sections A B and C of Part 2 need to be completed by the applicant with Part 3 completed by the employer.
- Section C of part 2 must list at least six months full time experience operating as a trainee Articulated Dumper operator.
- Part 1 Skills Self-analysis, Part 2 - Applicant Details and Part 3 - Endorsement of Operating Competence must be completed and submitted to the chosen Approved Training Organisation at least one-day prior to attending the one-day training and assessment programme. Failure to do so will result in the candidate being unable to complete the programme.

Candidates must bring with them on the day:- a passport sized photograph, their Safe Pass card plus safety helmet, safety boots, reflective 'hi-viz' jacket and gloves.

Construction Skills Certification Scheme

Candidate Pack for CSCS Articulated Dumper

One Day Programme Content

Induction

Registration and induction will be undertaken at the start of the day. Candidates **must** present their Safe Pass card and photograph to the assessor. Parts 1, 2 and 3 must be already submitted to the Training Organisation.

Skills Validation Session

Candidates will undertake a minimum of a 3 hour Skills Validation Session with the course instructor. The Skills Validation Session cannot give skills and knowledge not held, but allows trained operators to eliminate 'bad habits' gained on site.

Please note that the instructor has the right to refuse the candidate access to the test if they have demonstrated dangerous operating skills that contravene any part of the Safety, Health and Welfare Regulations.

Theory Test

On completion of the Skills Validation Session, candidates are allowed 45 minutes to undertake a multi-choice question paper. Questions will be based on the following:

- Legislation and regulations
- Employer and employee responsibilities
- Safe working practices
- Machine components and functions
- Correct operating techniques
- Pre-use checks and basic maintenance
- Road travel (where relevant)
- Types and characteristics of materials and loads
- Site safety
- Shut down and securing procedures
-

Subjects that the questions will be based on will be covered during the Skills Validation Session.

To be successful on the theory test, candidates must achieve a minimum of 70% of the total available marks. Candidates who achieve a minimum of 85% will be awarded a credit.

Practical Test

On the test the candidate will demonstrate tasks with the dumper. The tasks to be undertaken, equipment required and a sample grading sheet is contained in Part 4 of this pack – Practical Test criteria. Part 4 of this pack details the equipment and resources needed for the test and the tasks the candidate will be expected to carry out with an Articulated Dumper.

The grading sheet is divided into essential items and scored marks. Scored marks allow a limited number of minor errors to be made. To succeed, the candidate must achieve all essential items and not exceed the maximum score. Candidates who score no penalty marks as well as all the essential marks will be awarded a credit. The practical test has a maximum time of 1 hour and 15 minutes in which all tasks must be completed.

Construction Skills Certification Scheme

Candidate Pack for CSCS Articulated Dumper

Feedback and Certification

If a candidate meets the required standard, the approved training organisation will send the relevant assessment documentation to SOLAS for certification and registration. The CSCS card is printed and posted to the training provider for distribution. A FETAC certificate will also be awarded as a result of a pass on the one-day programme.

Candidates who achieve a credit in the theory test **and** practical test will be awarded an overall credit.

Candidates who are referred will receive written feedback from the assessor, and may be advised to undertake further training and/or site experience.

If a candidate is successful in the theory but not the practical part of the test, then they may re-attempt just the practical part. If the candidate has not been successful in the theory test, then they may not attempt the practical test.

This concession may only occur if the candidate returns to the same approved trainer and training organisation within 9 months. If they choose to go to a different organisation, they will have to do both the practical and theory parts again.

For learners who do not reach the required standard, a period of 5 days must elapse before they can retake the test.

Registration Card Duration

CSCS registration cards are valid for five years and can be renewed up to six months before the expiry date

Cancellation of Certificates and Cards

Where it is discovered that the information provided by the Candidate was incorrect or the programme was not delivered in accordance with SOLAS specifications the Certification and registration card may be withdrawn and the relevant authorities notified.

Construction Skills Certification Scheme

Skills Self-Analysis CSCS Articulated Dumper- Part 1

Introduction

The aim of this form is to allow applicants to measure their knowledge and experience on the safe use of an articulated dumper against the questions below. This is to ensure that all those attending the One-day Trained Operator Programme have sufficient skills and knowledge to comfortably meet the required standards. This section **must** be completed and returned to the chosen Approved Training Organisation prior to attending the one-day training and assessment programme.

Instructions to the Applicant

Please take your time and answer all questions honestly, as dishonest answers mean that you may be un-successful on the course programme. On completion, add up the total number of questions you have scored as 'yes' and refer to the Assessment Grading which will analyse your knowledge and experience

Assessment Questions

Please answer **all** questions as indicated:

	Yes	No
1. can you identify and use all the controls correctly?	<input type="checkbox"/>	<input type="checkbox"/>
2. can you extract information from the operators handbook?	<input type="checkbox"/>	<input type="checkbox"/>
3. do you correctly carry out all pre-use and running checks?	<input type="checkbox"/>	<input type="checkbox"/>
4. can you correctly configure the dumper for site and road travel?	<input type="checkbox"/>	<input type="checkbox"/>
5. have you travelled over differing types of terrain including rough, undulating ground whilst loaded and unloaded?	<input type="checkbox"/>	<input type="checkbox"/>
6. can you travel up & down steep substantial slopes correctly loaded and unloaded?	<input type="checkbox"/>	<input type="checkbox"/>
7. are you able to manoeuvre the dumper in very confined and restricted areas?	<input type="checkbox"/>	<input type="checkbox"/>
8. can you correctly position and set the dumper to receive and discharge loads?	<input type="checkbox"/>	<input type="checkbox"/>
9. do you know where you (the driver) must be when being loaded?	<input type="checkbox"/>	<input type="checkbox"/>
10. can you explain why a dumper should never be overloaded?	<input type="checkbox"/>	<input type="checkbox"/>
11. do you know why soils must be segregated when forming stockpiling materials/soils?	<input type="checkbox"/>	<input type="checkbox"/>
12. do you know the minimum distance that should be kept from a trench and why?	<input type="checkbox"/>	<input type="checkbox"/>
13. do you know what the recommended minimum distance is when working near power lines?	<input type="checkbox"/>	<input type="checkbox"/>
14. do you know what the correct procedures are before and after tipping a load?	<input type="checkbox"/>	<input type="checkbox"/>
15. can you explain the reason for having a 'bermed' or raised edge near a trench?	<input type="checkbox"/>	<input type="checkbox"/>
16. do you know what the correct procedures are when placing or unloading the dumper onto or from a vehicle bed or trailer?	<input type="checkbox"/>	<input type="checkbox"/>
17. can you shut down and secure the dumper correctly after work?	<input type="checkbox"/>	<input type="checkbox"/>

Candidate Name:

Yes total _____

Date:

Construction Skills Certification Scheme

Skills Self-Analysis CSCS Articulated Dumper - Part 1

Assessment Grading

If you have scored 11 – 17

You appear to have a good understanding of articulated dumper operations to comfortably participate on the trained operator course programme.

If you have scored 8 – 10

Your understanding of articulated dumper operations is limited and we advise that you acquire further knowledge before attending the trained operator course programme. Remedial training and further site experience is advised.

Less than 8

Your supposed understanding of articulated dumper operations is very limited and we strongly advise you not to attend the course until you have undertaken remedial or full training.

Assessment Requirements

Should a candidate have any particular assessment requirements i.e. need a translator or reader/writer or any other form of special needs, the approved training organisation **must** be informed well in advance of attending the one day programme so that the appropriate help may be sourced.

Information regarding a candidate's particular requirements will be treated with the strictest confidence by the approved training organisation.

REMINDER

Candidates must bring with them on the day:

- **Passport sized photograph**
- **Safe Pass card**
- **Safety helmet**
- **Safety boots**
- **Reflective 'hi-viz' jacket**
- **Gloves**

Further information and clarification may be obtained from the CSCS Unit Office or phone 01 5332500

Application Details - CSCS Articulated Dumper - Part 2

Construction Skills Certification Scheme

Section A Applicant Details

Surname Forenames.....

Address

.....

..... Date of Birth:

Tel: PPS Number

Safe Pass Expiry Date:

Candidate Profile

Candidates for this programme must:

- Have at least six months full time experience operating as a trainee articulated dumper operator in construction in accordance with the 5th Schedule – of the Safety, Health and Welfare at Work (Construction) Regulations 2013 – S.I. No. 291 of 2013. The six months experience must be within the last two years.
- Possess a valid ‘Safe Pass’ registration card
- Be at least 18 years of age

Section B Applicant Declaration

I confirm that the information detailed in this application, and any submitted information is valid, genuine and correct.

- I have as least six months full time experience operating as a trainee articulated dumper operator in construction within the last two years
- I am in possession of a valid ‘Safe Pass’ registration card
- I am at least 18 years of age

Please sign

Date:

Application Details CSCS Articulated Dumper - Part 2

Construction Skills Certification Scheme

Section C Applicant Experience

Please briefly list work carried out with an Articulated Dumper for at least six months, including dates and location of work.

Dates from/to	Machine make & model	Location and brief details of work done
<i>Example</i> 9 Jan 14- 22 May 2015	Volvo A25	<i>Barron Homebuilds, Kilty Street, Dublin. Moving spoil from excavations to spoil heap</i>
		<p style="text-align: right;"><i>(continue on a separate sheet if needed)</i></p>

Endorsement of Operating Competence – Articulated Dumper - Part 3

Construction Skills Certification Scheme

Applicant Name.....

This endorsement of operating competence must be completed by an existing or previous employer. This part can only be completed by a supervisor or line manager of the employer.

The endorsing individual should only initial the statements where they can confirm that the applicant can carry out the work. Some endorsements may require the initials of more than one endorser. Copies of this form may be made if there are more than two endorsers signing.

Each statement must be initialled by the endorser. The applicant can only be considered competent providing **all** statements are signed by one or more endorsers in the Endorsers details section.

I consider that the above named applicant is able to competently:	Initials
1. Check, inspect and maintain an articulated dumper for efficient and safe use under construction site conditions	
2. Safely operate and control an empty and fully laden articulated dumper over varying terrain and inclines	
3. Ensure loads are safe and within the capacity of the articulated dumper	
4. Discharge materials into trenches and/or form stockpiles using all safety precautions	
5. Manoeuvre and position the articulated dumper for receiving and discharging loads	
6. Park, shut down, secure and leave the articulated dumper in a safe condition	
7. Follow given instructions and manufacturers requirements when working with the articulated dumper	

Endorsers Details

Full Name:

Company name and address:

.....

Position: Contact Tel no:

Relationship to Applicant.....

The named individual signing this section must be in a supervisory or managerial position, nominated by the employer organisation.

Declaration

We/I the employer confirm that:

- the applicant has as least six months full time experience operating as a trainee articulated dumper operator in construction within the last two years
- the applicant is in possession of a valid 'Safe Pass' registration card
- the information detailed in this application, and any submitted information is valid, genuine and correct.

Signature _____ Date: _____

Practical Test Specifications Articulated Dumper - Part 4

Construction Skills Certification Scheme

Equipment and Resources

- Serviceable rear tipping articulated chassis type dumper, equipped with a R.O.P.S. and seatbelt, with the operator's manual. The Dumper must meet all legislative requirements and have a load capacity of at least 10 tonnes.
- A means of loading the dumper. i.e. loader, excavator, the operator must be competent and hold a relevant CSCS card where applicable
- A designated tipping area, being a trench or an edge, at least 1.0 metre deep, and a minimum of 3 x the width of the dumper, with appropriate stop-block/edge protection.
- A stockpile of material for loading
- A driving area which must include:
 - uneven, rough terrain,
 - a slope(s) not less than 18% (1:5.5) incline and at least 1.5 times the length of the dumper. The incline must be either one ramp with a sufficient manoeuvring area to turn on top or two ramps with a level area at the top to halt the dumper
 - a straight run at least 50 metres in length.
- Cones/materials etc to create restrictions for travelling and manoeuvring.

Tasks

The Candidate needs to:

1. Carry out full pre-start and running checks as required by the manufacturer.
2. Prepare the dumper for travel, and drive to the loading area to receive loads. The route must include:
 - Passing through a restriction being no more than the width of the dumper plus 800mm, in a forward and reverse direction,
 - Stopping and restarting on the incline in the up direction,
 - Stopping and restarting on the incline in the down direction,
 - Travelling over uneven, rough terrain.
3. When fully laden, travel the route as in task 2. Whilst travelling in the down direction on the incline, stop and re-start in the opposite direction for a minimum distance of 5 metres.
4. Discharge the load into the excavation or edge.
5. Travel the dumper back to the loading area to receive a fresh load.
6. Whilst loaded, reverse the dumper in a straight line for a minimum of 30 metres.
7. Travel to the tipping point and discharge the load. This load is to be adjacent to the previous tipping point.
8. Repeat tasks 5 & 7.

Construction Skills Certification Scheme

9. Travel the dumper to receive a fresh load. Form a stockpile consisting of 3 x loads
10. Travel to a park position, shut down and secure.

Time

The candidate must complete all tasks within 1 hour

Example of marking points

1. Carry out pre-start and running checks (verbal questions correctly answered if engine hot)
2. Clear any restrictions encountered whilst travelling
3. Keep clear of all hazards whilst travelling
4. Travel the dumper correctly on the inclines in a laden and unladen state
5. Apply the parking brake prior to tipping the load
6. Select neutral prior to tipping the load
7. Fully lower the body prior to moving away from the tipping point
8. Correctly carry out shut down procedures
9. Conform with legislation and manufacturer's instructions
10. Complete test within the given time