

# Construction Skills Certification Scheme

## Candidate Pack for – Tracked Type Tractor/Dozer

**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 Tractor Dozer operator in construction in accordance with the 5<sup>th</sup> 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 Tractor Dozer 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.**

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## Candidate Pack for – CSCS Tractor Dozer

### 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.

#### 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
- 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 Tractor Dozer. 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 a Tractor Dozer.

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.

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## Candidate Pack for – CSCS Tractor Dozer

### 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 Tractor Dozer - Part 1

### Introduction

The aim of this form is to allow applicants to measure their knowledge and experience on the safe use of Tractor Dozer 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 dozer for site and travel?	<input type="checkbox"/>	<input type="checkbox"/>
5. have you travelled over differing types of terrain including rough, undulating ground?	<input type="checkbox"/>	<input type="checkbox"/>
6. can you travel up & down steep substantial slopes correctly?	<input type="checkbox"/>	<input type="checkbox"/>
7. are you able to manoeuvre a dozer in confined and restricted area?	<input type="checkbox"/>	<input type="checkbox"/>
8. can you explain what 'contra-rotating'?	<input type="checkbox"/>	<input type="checkbox"/>
9. do you know what the purpose of 'feathering out'?	<input type="checkbox"/>	<input type="checkbox"/>
10. can you recognise and interpret site markings and contract information?	<input type="checkbox"/>	<input type="checkbox"/>
11. do you know why soils must be segregated when excavating/stripping?	<input type="checkbox"/>	<input type="checkbox"/>
12. do you know the minimum distance spoil 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 is meant by slot dozing?	<input type="checkbox"/>	<input type="checkbox"/>
15. can you excavate materials to site tolerances?	<input type="checkbox"/>	<input type="checkbox"/>
16. do you know what the functions of a 'PAT' blade are?	<input type="checkbox"/>	<input type="checkbox"/>
17. have you carried out side-casting?	<input type="checkbox"/>	<input type="checkbox"/>
18. do you know the correct procedure when placing or unloading the dozer onto or from a vehicle bed or trailer?	<input type="checkbox"/>	<input type="checkbox"/>
19. can you shut down and secure the excavator correctly after work	<input type="checkbox"/>	<input type="checkbox"/>

Yes total \_\_\_\_\_

Candidate Name: ..... Date: .....

# Construction Skills Certification Scheme

## Skills Self-Analysis CSCS Tractor Dozer - Part 1

### Assessment Grading

#### If you have scored 15 – 19

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

#### If you have scored 10 – 14

Your understanding of Tractor Dozer 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 9

Your supposed understanding of Tractor Dozer 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** .....

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

## Application Details CSCS Tractor Dozer - Part 2

### 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 Tractor Dozer operator in construction in accordance with the 5<sup>th</sup> 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 Tractor Dozer operator in construction within the last two years
- I am at least 18 years of age
- I am in possession of a valid 'Safe Pass' registration card

Please sign

Date: .....

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## Application Details CSCS Tractor Dozer - Part 2

### Section C Applicant Experience

**Please briefly list work carried out with a Tractor Dozer 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	<i>Komatsu 65</i>	<i>Barron Construction Kilty Street, Dublin.            Levelling sub-base stone to 10mm, levelling of earthworks</i>
		<p style="text-align: right;"><i>(continue on a separate sheet if needed)</i></p>

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## Endorsement of Operating Competence Tractor Dozer - Part 3

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 endorsees 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 endorsees in the Endorsers details section.

I consider that the above named applicant is able to competently:	Initials
1. Check, inspect and maintain a tractor dozer for efficient and safe use under construction site conditions	
2. Safely operate and control a tractor dozer over varying terrain and inclines	
3. Strip, excavate and stockpile a variety of materials with a tractor dozer	
4. Backfill and reinstate an area according to specification with a tractor dozer	
5. Park, shut down, secure and leave the tractor dozer in a safe condition	
6. Follow given instructions and manufacturers requirements when working with the tractor dozer	

**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 tractor dozer 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:



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## Practical Test Specifications Tractor Dozer - Part 4

### Equipment and Resources

- Serviceable tracked dozer that meets current legislation, fitted with a straight blade having a tilt facility, with the operator's manual.
- An area of ground, which must include a level area clear of hazards for excavating to a depth of 1 metre, with sufficient space to cover the exercises as outlined in the exercise specification.
- Cones/materials etc. to create restrictions for travelling and manoeuvring.
- Appropriate marking, sighting and lining equipment to ensure excavation levels and centres.

### Tasks

The Candidate needs to:

1. Carry out full pre-start and running checks as required by the manufacturer.
2. Prepare the dozer for travel and travel to the excavating area. The route is to include passing through a restriction being of no more than the width of the dozer plus 800mm.
3. Excavate by dozing an area 2.5 x blade width to a depth of 500 mm +/- 30mm for a length of not less than 20 metres stockpiling the surplus at one end.
4. Batter both sides of the excavation 1 x blade width.
5. Doze and shape the face of the stockpiled material from item 3 to form a mound with a battered face to an angle of not less than 30 degrees, traversing vertically or horizontally, leaving a tracked finish.
6. On completion of item 5, backfill the excavation to level from the stockpile by slot-dozing the material back into the base.
7. Spread the side cast material to blend with the surrounding area.
8. Travel the dozer to a park position, shut down and secure.

### Time

- The candidate must complete all tasks within 2 hours

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Example of practical assessment marking sheet	Yes	No
1. Carry out pre-start and running checks (verbal questions correctly answered if engine hot)		
2. Clear any restrictions and hazards encountered whilst travelling		
3. Ensure the allocated area was clear of hazards prior to excavating		
4. Regulate the depth of cut		
5. Ensure the excavated slot conforms to the stated sizes and tolerances		
6. Operate using short working cycles		
7. Reinststate ground to the original contours		
8. Correctly carry out shut down and securing procedures		
9. Conform with legislation and manufacturer's instructions		
10. Complete the test in the given time		