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## NPORS - Rigging and Fleeting Loads



### NPORS Category N047

## NPORS – National Plant Operators Registration Scheme

### AIM

This is a rigging and fleeting loads course designed to suit the requirements of learners who have limited knowledge of Rigging, fleeting, Lifting and Sliding Techniques.

### Pre-Requisite

No previous experience required, but if intending to work within a construction environment within Rep. of Ireland a SOLAS CSCS Slinger Signaller card will be required on such sites.

### Course Duration

3 days.

### Maximum Number

6 persons.

### Training Aids

Lecture notes, audio visual presentation, specialised training environment and specific items of rigging equipment.

### Assessment

Written and practical test.

### Certification

On successful completion of the course candidates will receive an NPORS ID Card & certificate.

### Additional Information

Meeting the needs and expectations of service users is of the highest priority to our staff. Therefore if you have any concerns or wish to make a comment about the service please contact:

[oreillytraining@gmail.com](mailto:oreillytraining@gmail.com)

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## COURSE OBJECTIVES

On completion of this course the learner will be capable of:

- Being aware of the statutory requirements, regulations and approved codes of practices regarding rigging equipment together with the learners obligations to Site Safety

- Identifying basic equipment used in rigging
- Using basic items of rigging equipment safely and effectively
- Follow lift plans by selecting and using the correct equipment for the task
- Inspection and use of different types of lifting equipment
- Calculations required in rigging to include weight calculation, centre of gravity calculation, required angles, how to use sling charts
- Lifting safely both out of balance loads, balanced loads and tandem lifting.

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## COURSE SYLLABUS

- Rigging principles and terminology
- Relevant legislation and ACOPs
- Safe systems of work
- Risk assessment, planning and control of lifting operations
- Ensure the area is suitable for lifting activities
- Lifting equipment pre and post use inspection, including certification
- Safe and correct use of different types of lifting equipment
- Selection of the appropriate lifting accessories for different types of loads
- Lifting accessories and their applications
- Sling various loads including balanced, unbalance and loose
- Equipment identification and selection
- Weight identification, different ways to calculate the loads weight
- Carry out lifts to given instructions
- Placement of and setting down loads
- Disconnection of lifting accessories from the load
- Use of recommended hand signals and radios
- Keep within safe working parameters
- Awareness of crane operating principles
- Awareness of conflicting activities
- Environmental factors that could influence lifting operations



- Correct procedure for the storage of lifting equipment
- Awareness of manual handling
- Appreciation of dynamic factors
- Typing knots, bends and hitches – their uses and applications
- Typical types of lifting equipment and accessories that the candidate would use will include:
  - Chain slings
  - Wire rope slings
  - Fibre slings
  - Shackles
  - Eyebolts
  - Master links
  - Chainblocks
  - Pulllifts
  - Tirfors & tirfor wires
  - Beam clamps
  - Beam trolleys
  - Pallet Trucks
  - Skates
  - Jacks etc.



**Practical Assessment and Written Examination**



**NPORS®**