Logistics and equipment operation

R.490 — Loader cranes, remote control option

Three days to use a lorry-mounted loader crane, from the control station or by remote control, and to deliver without accidents. Recommendation R.490 is the framework: technology, load charts, set-up and outriggers, power lines, accessories, loading and unloading manoeuvres, and folding before taking to the road. The exercises take place on your vehicles, with your goods, and end with a theory test and a practical test.

Duration : 3 days

Objectives

1. Describe the components of a loader crane and its safety devices
2. Read the crane's load chart and check that a lift stays within its limits
3. Set up the vehicle and deploy the outriggers according to the ground and the space available
4. Load and unload safely, with or without remote control, near pedestrians and power lines
5. Fold the crane and check the vehicle before taking to the road

Programme

Day 1 — morning

• Typical accidents: vehicle tipping, electric contact, falling load, operator crushed
• Roles of the driver, the employer and the customer delivered to; medical fitness and driving authorisation
• Scope of R.490 and the remote control option
• On-board documents: manual, load chart, inspection reports

Day 1 — afternoon

• Technology: column, boom, hydraulic extensions, outriggers, control valve, moment limiter
• Load charts: load by radius and outrigger configuration
• Accessories: hook, pallet forks, clamp, skip, grab
• Load chart reading exercises on your usual deliveries

Day 2 — morning

• Choosing the position: ground, slope, manholes, pavements, obstacles, power lines
• Chocking the vehicle, deploying outriggers, spreader plates
• Barriers and pedestrian management on the public road or at the customer's premises
• Pre-use checks

Day 2 — afternoon

• Manoeuvres at the control station: simple and combined movements
• Loading and unloading pallets and long loads
• Precise set-down and control of swing
• Folding the crane, transport position, pre-departure check

Day 3 — morning

• Remote control option: operator position, visibility, emergency stop, loss of link
• Remote control manoeuvres on your vehicles
• Securing the load on the bed after loading
• Review of the errors observed

Day 3 — afternoon (workshop)

• Theory test: load charts, set-up, power lines, folding
• Practical test: positioning, set-up, manoeuvres, folding
• Additional test for the remote control option
• Feedback and handover of attestations

Teaching methods

• Exercises on your own crane lorries, with the goods you deliver
• Delivery scenarios: narrow street, soft ground, power line
• Load chart reading based on your real deliveries
• Delivered in French or Darija, with bilingual materials handed to drivers

Assessment and documents

A theory test and a practical test scored on a grid, with a separate test for the remote control option, and an end-of-course evaluation at D+1. A named attestation and a numbered training certificate that can be verified online for each driver; the employer, who issues the authorisation, receives the training report and a driving authorisation template.

Bilingual materials for every participant; each classroom course comes with its digital twin on OmniLearn.

Good to know

The course does not replace the driving licence for the carrier vehicle. The “Loading, blocking and load securing” course goes deeper into securing loads on the bed. The attestation is valid for 5 years.

Practical information

Duration	3 days
Audience	Drivers of lorries fitted with a loader crane, delivery drivers for materials and equipment
Prerequisites	Medical fitness obtained beforehand; vehicle driving licence for road movements
Group size	Groups of 6 to 12 participants, in-company
Format	In-company, face to face on your site
Language	French, Darija or English; bilingual materials
Funding	OFPPT special training contracts (TFP), GIAC, Maroc PME: we prepare the applications with you, at no extra cost.
Programme customisation	Programme adapted to your procedures, your equipment and your audience

Frequently asked questions

What is a loader crane?
A hydraulic crane mounted on a lorry and intended to load or unload that vehicle, or to deliver nearby. It is also called an auxiliary crane. Mobile cranes on a dedicated carrier fall under R.483.

Is the remote control option compulsory?
It is needed if your drivers use a remote control. Remote operation raises its own questions of visibility and operator position, covered on the third day.

Who should attend?
Drivers delivering materials, equipment or heavy goods who operate the crane on their own lorry, and the people who stand in for them.