# CPCS – A60C - Mobile Crane Operator - Block Duties

## Course Aim

To provide delegates with the necessary knowledge and practical skills to safely operate mobile cranes on construction sites and other allied industries.

## Who Should Attend?

Potential and existing operators who have received no formal instruction and those requiring refresher training - this course is aimed at anyone who is required to operate mobile cranes for lifting operations on construction sites and other allied industries.

**Pre-requisites**
Delegates having some previous experience of operating hydraulic lifting equipment is essential (e.g. Tele-handlers, Rough Terrain Forklifts, Lorry Loaders, Mobile Elevated Work Platforms, 360 Excavators etc.) Good hand/eye co-ordination is also required. Please note that a Group C category licence is required for driving on the open road, however this is not essential for the course.

You **must** have a basic understanding and knowledge of current Health & Safety issues. The relevant CITB Health Safety & Environment touchscreen test must be current and in date (completed within the last 24 months).

## Certification

This course will give delegates a CPCS Red Trained Operator card (on successful completion of CPCS Technical Tests).

## Agenda

- Legislation – LOLER, PUWER, HASAWA, codes of practice – BS7121
- Roles and responsibilities of personnel involved with lifting operations
- Crane appreciation – crane types, capabilities and limitations
- Duty charts
- Crane terminology
- Documentation and certification for lifting equipment and lifting accessories
- Crane stability/ground conditions
- Rated Capacity Indicator (RCI) and Safe Working Loads (SWL)
- Communications (Radio, verbal and hand signals etc)
- Rigging and De-rigging of cranes according to written instructions
- Configuring cranes according to work specifications
- Hoisting, slewing and derricking following the instruction of the slinger/signaller
- Controlling load movement
- Routine maintenance
- Use of crane on free on wheels duties
- Use of crane on pick and carry duties

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## Operator Cards

**Trained Operator Card (RED)**
This card confirms a level of core skills, knowledge and understanding that can be applied in the workplace. Experienced and able operators may hold a Trained Operator Card whilst being measured against national standards through an SVQ or NVQ. Red CPCS Trained Operator Card last for 2 years.

**Competent Operator Card (BLUE)**
This card confirms a demonstrated a level of health and safety awareness through the CITB Health, safety and environment test, underpinning knowledge previously through a CPCS theory test, operating ability previously through a CPCS practical test and operating competence on the type of plant (evidenced by an SVQ or NVQ or employer confirmation of competence).