

CPCS Crane Supervisor Training Programme - A62

Duration: 4 days (Times may vary according to candidate's application)

Abbreviations: A = Activity E = Explanation

Day 1 of 4			
Time	Subject	Method	Reference
08:30 - 09:00	Introduction & Registration		
09:00 - 10:15	Explanation of difference between: <ul style="list-style-type: none"> • Legal responsibilities • Codes of Practice 	E	BS7121 / 1 & 3 LOLER 98 (4.8.9) PUWER 98 HASAWA 74 Letter from HSE CPA Best Practice Guide
10:15 - 10:30	Break		
10:30 - 11:30	Explanation of difference between Crane Hire & Contract Lift. Appointed Persons duties and responsibilities.	E	BS7121 / Part 1 (3.4.1 & 2) HASAWA 74 LOLER 98 BS7121 / 3.3
11:30 - 12:30	Explanation of different types of Lifting Operations both basic & standard. Requirements for dismantling & lifting of persons	E	BS7121 / Part 1 (3.3.1.2 & 3) BS7121 / Part 3 (annex C & D)
12:30 - 13:00	Lunch		
13:00 - 15:00	Explanation of different types of cranes: Truck/All Terrain/Low Headroom/ Crawler. Reasons for having correctly set outriggers, crane level & wheels clear of ground. Explain how SWL is determined: Strength / Stability.	E & A	BS7121 / Part 3 (4.8.1 2 & 3) Manufacturers Specifications LOLER 98 PUWER 98
15:00 - 15:15	Break		
15:15 - 16:15	Explanation of Duty Charts - including different types of Fly Jibs. The purpose of outreach and axle locks. How to calculate number of falls - including number of turns to be left on hoist drum.	E & A	Manufacturers Specifications BS7121 / Part 1 & 3
16:15 - 17:00	Day 1 Progress Questions		

Abbreviations: A = Activity E = Explanation

Day 2 of 4			
Time	Subject	Method	Reference
08:30 - 09:00	Review of Day 1 progression questions		Questionnaire
09:00 - 10:00	RCI / RCL / (ASLI) Explain functions & information provided to operator & warnings to others in the working area.	E	BA7121 / Part 1 & Manufacturers Specifications
10:00 - 10:15	Break		
10:15 - 11:00	Explain calculation of point loadings / outrigger spreader mat sizes to give maximum protection against ground subsidence.	E & A	BS7121 LOLER 98 Outrigger Load charts
11:00 - 11:30	Explain reasons for levelling crane & the effect it would have on radius & boom deflection.	E	BS7121 / Part 3
11:30 - 12:30	Explain the different methods of communication: Hand signals / radios. Explanation of documentation in the crane files including lifting accessories.	E	BS7121 / Part 1 & 3 LOLER 98 PUWER 98
12:30 - 13:00	Lunch		
13:00 - 15:00	Explanation of Uniform Method of Rating Slings: Chain / Wire / Web / Shackles Including slinging techniques: Balanced / unbalanced & loose bundles Calculation of weights & centres of gravity	E	BS6166 / Part 1 – 3 Manufacturers Charts BS7121 98
15:00 - 15:15	Break		
15:15 - 16:15	Explanation uniform method of rating slings: Chain / Wire / Web / Shackles – continued Calculation of sling angles & lengths Factors of safety	E	BS6166 / Part 1 – 3 Manufacturers Charts
16:15 - 17:00	Day 2 Progress Questions		

Abbreviations: A = Activity D = Demonstration E = Explanation P = Practical

Day 3 of 4			
Time	Subject	Method	Reference
08:30 - 09:00	Review of Day 2 progression questions		Questionnaire
09:00 - 10:00	Explanation of Proximity Hazards Overhead Power Cables Underground Services Counterweight Swing	E	BA7121 / Part 1 & 3 LOLER 98
10:00 - 10:15	Break		
10:15 - 10:30	Explanation of notification to different authorities: Railways / Highways / Airfields / Waterways	E	BS7121 / Part 1 & 3 LOLER 98
10:30 - 11:00	Explain limiting devices: Slew Limitors / Overhoist / Lower Limit Switches	E	BS7121 / Part 1 & 3 PUWER 98
11:00 - 12:30	Use of lifting equipment & accessories Crane Signalling operations (Candidates Work As a Group)	P P	Slinging / Lifting Various Loads Crane signals as per BS 7121
12:30 - 13:00	Lunch		
13:00 - 15:00	Use of lifting equipment & accessories Crane Signalling operations (Candidates working as a group)	D E P	Slinging / Lifting Various Loads Crane signals as per BS 7121
15:00 - 15:15	Break		
15:15 - 15:45	Explain requirements of a Method Statement / Risk Assessment; how to relate them to a Lifting operation to be carried out (Candidates working as a group)	D E P	BS7121 / Part 3 Prepare Crane & Personnel for Lifting Operation
15:45 - 16:15	Carry out lifting operation as to method statement risk assessment Discussion of how Lifting operation could be improved (Candidates working as a group)	D E P	BS7121 / Part 3 Prepare Crane & Personnel for Lifting Operation
16:15 - 17:00	Day 3 Progress Questions		

Abbreviations: A = Activity

Day 4 of 4			
Time	Subject	Method	Reference
08:30 - 09:45	CPCS Questionnaire	A	CPCS Test Theory Questionnaire
09:46 - 17:00	Supervise and carry out lifting operation	A	CPCS Practical Assessment

Times are to completion