







Crane Signaling Test







This test is designed to gauge your competency of the ANSI B30.5 crane signals

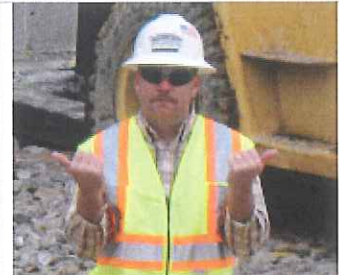

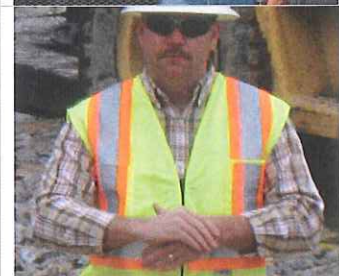




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Part 2 – Hand and Voice Signals

	<p>1. A hand <u>taps</u> on top of the head. Then regular signal is given to indicate desired action.</p>	A	Use whip line (auxiliary hoist)
		B	Use main hoist
		C	Raise Boom
	<p>2. With arm bent at elbow and forearm vertical, <u>elbow is tapped with other hand</u>. Then regular signal is used to indicate desired action.</p>	A	Use whip line (auxiliary hoist)
		B	Use main hoist
		C	Move Slowly
	<p>3. With upper arm extended to the side, forearm and index finger pointing straight up, <u>hand and finger make small circles</u>.</p>	A	Hoist
		B	Use main hoist
		C	Extend boom
	<p>4. With arm extended horizontally to the side, thumb points down with other fingers closed.</p>	A	Retract boom
		B	Lower load
		C	Lower boom
	<p>5. With arm extended horizontally, index finger points in direction that boom is to swing.</p>	A	Stop
		B	Swing
		C	Lower boom
	<p>6. One fist in front of chest with <u>thumb tapping chest</u>.</p>	A	Extend boom
		B	Retract boom
		C	Travel

	7. One fist in front of chest, thumb pointing outward and <u>heel of fist tapping chest.</u>	A	Extend boom
		B	Retract boom
		C	Travel
	8. With arm extended horizontally to the side, palm down, arm is <u>swung back and forth.</u>	A	Swing
		B	Stop
		C	Emergency Stop
	9. With arm extended horizontally to the side, thumb points up with other fingers closed.	A	Hoist
		B	Extend boom
		C	Raise Boom
	10. <u>Rotate fists</u> around each other in front of body; direction of rotation away from body indicates travel forward; rotation towards body indicates travel backward.	A	Travel both tracks
		B	Travel one track
		C	Travel
	11. With both arms extended horizontally to the side, palms down, <u>arms are swung back and forth.</u>	A	Stop
		B	Emergency Stop
		C	Swing
	12. With arm extended horizontally to the side and thumb pointing down, <u>fingers open and close</u> while load movement is desired.	A	Lower boom, raise load
		B	Lower load
		C	Lower boom

	<p>13. With hands to the front at waist level, thumbs point outward with other fingers closed.</p>	<p>A</p>	<p>Swing slow</p>
	<p>14. With arm and index finger pointing down, <u>hand and finger make small circles.</u></p>	<p>A</p>	<p>Lower boom</p>
	<p>15. Hands held together at waist level.</p>	<p>B</p>	<p>Lower load</p>
	<p>15. Hands held together at waist level.</p>	<p>A</p>	<p>Stop</p>
	<p>16. Indicate track to be locked by raising fist on that side. Rotate other fist in front of body in direction that other track is to travel.</p>	<p>B</p>	<p>Emergency stop</p>
	<p>17. With arm extended horizontally to the side and thumb pointing up, <u>fingers open and close</u> while load movement is desired.</p>	<p>A</p>	<p>Travel</p>
	<p>18. With all fingers pointing up, <u>arm is extended horizontally out and back</u> to make a pushing motion in the direction of travel.</p>	<p>B</p>	<p>Travel one track</p>
		<p>C</p>	<p>Travel both tracks</p>
		<p>A</p>	<p>Raise boom</p>
		<p>B</p>	<p>Raise boom, lower load</p>
		<p>C</p>	<p>Hoist</p>
		<p>A</p>	<p>Travel, tower travel</p>
		<p>B</p>	<p>Travel both tracks</p>
		<p>C</p>	<p>Travel one tracks</p>

	19. A hand is placed in front of the hand that is giving the action signal.	A	Raise boom slowly
		B	Extend boom
		C	Retract boom
	20. With hands to the front at waist level, thumbs point at each other with other fingers closed.	A	Travel
		B	Extend boom
		C	Retract boom
	21. With palm up, fingers closed and thumb pointing in direction of motion, <u>hand is jerked horizontally</u> in direction trolley is to travel.	A	Retract boom
		B	Extend boom
		C	Trolley Travel

22. The third essential element of a standard voice signal is?	A. Function and direction B. Function stop	C. Distance and/or speed D. Crane identifier
23. When using voice signals, who must approve using multiple simultaneous function signals?	A. Competent person B. Supervisor	C. Person directing lifting operations D. Signal person
24. The first essential element of a standard voice signal is?	A. Function and direction B. Function stop	C. Distance and/or speed D. Crane identifier
25. The second essential element of a standard voice signal is?	A. Function and direction B. Function stop	C. Distance and/or speed D. Crane identifier
26. Who is required to participate in the decision to use special or new signals? (circle all that apply):	A. Site Supervisor B. Crane Operator	C. Signalperson D. Person directing lifting operations
27. The most important factor to consider when deciding to use hand signal is?	A. The location of the sun B. Weight of the load	C. Visibility D. Clothing

28. When a load is in motion under the direction of a signal person and a signal is not understood by the operator, the operator must?	A. Continue existing motion B. Stop all crane and load movement	C. Perform an emergency stop D. Guess the proper crane function
29. How many people are allowed to signal a crane at one time?	A. One B. Two people maximum	C. One from each area D. One from each crew
30. A crane operator must obey a stop signal given by whom?	A. Only the designated signal person B. Designated signal person and lift director	C. Anyone on the job regardless of their duties D. Only those persons designated by management
31. As a signalperson, what is your responsibility prior to requesting crane movement when people are near the load?	A. Be careful when requesting crane movement B. Make sure everyone is in the clear	C. Ensure they are aware of what is about to happen D. None, the responsibility is on each individual
32. When using 2-way radios to signal a crane, how do you maintain continuous communication with the operator?	A. Stand where the operator can see you B. Speak slowly and clearly	C. Keep the mike button pressed at all times while moving the load D. Have two signal persons communicate with the operator in case one radio quits working
33. A hand signal described as a closed fist is requesting what function?	A. Stop B. Emergency stop	C. Hold the load D. Nothing
34. When properly delivering a swing signal, the palm of your hand should point in what direction?	A. Down B. Up	C. Toward the crane D. Away from the crane

Crane Signaling Test Answers

- | | |
|---------------|-------------------|
| 1 – B | 18 – A |
| 2 – A | 19 – A |
| 3 – A | 20 – C |
| 4 – C | 21 – C |
| 5 – B | 22 – B |
| 6 – A | 23 – C |
| 7 – B | 24 – A |
| 8 – B | 25 – C |
| 9 – C | 26 – B,C,D |
| 10 – A | 27 – C |
| 11 – B | 28 – B |
| 12 – A | 29 – A |
| 13 – C | 30 – C |
| 14 – B | 31 – B |
| 15 – C | 32 – C |
| 16 – B | 33 – D |
| 17 – B | 34 – A |

The logo for Willis, featuring the word "Willis" in a large, blue, sans-serif font. The letters are bold and have a slight shadow effect.

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