

2010



# Scaffold Presentation

for  
“NSRP”

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Developed by

**The Scaffold Industry Association**

**The Southern Alberta Institute of Technology**

**Sunbelt Rentals Scaffold Services**





**SUNBELT**  
RENTALS

# Quiz for Professionals

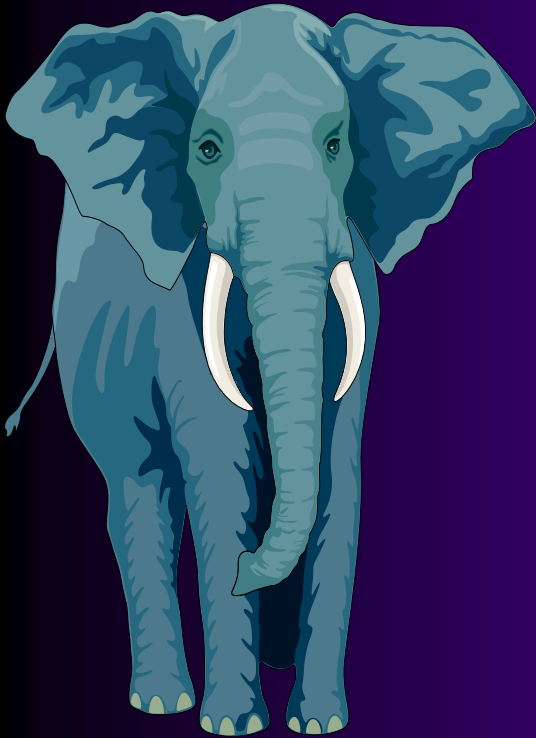


- The following short quiz consists of 4 questions and tells whether you are qualified to be "professional".
- The questions are not that difficult.

1. How do you put a giraffe into a refrigerator?

# Quiz for Professionals

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- The correct answer is: Open the refrigerator, put in the giraffe and close the door.
- This question tests whether you tend to do simple things in an overly complicated way.

2. How do you put an elephant into a refrigerator?

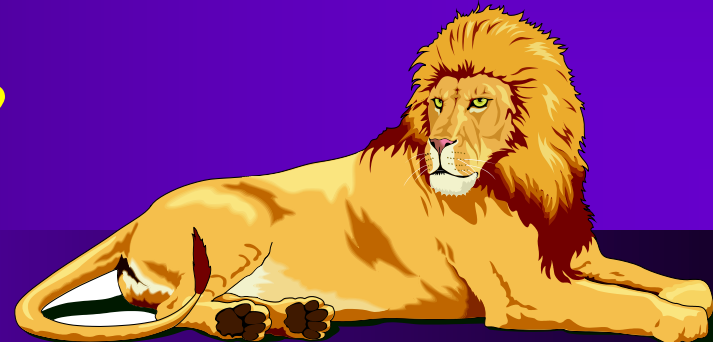
# Quiz for Professionals

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- **Wrong Answer:** Open the refrigerator, put in the elephant and close the refrigerator.
- **Correct Answer:** Open the refrigerator, take out the giraffe, put in the elephant and close the door. This tests your ability to think through the repercussions of your actions.

3. The Lion King is hosting an animal conference. All the animals attend except one.

Which animal does not attend?



# Quiz for Professionals

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- Correct Answer: The Elephant. The Elephant is in the refrigerator. This tests your memory.
- OK, even if you did not answer the first three questions correctly, you still have one more chance to show your abilities.

4. There's a river you must cross, but it is inhabited by crocodiles. How do you manage it?



# Quiz for Professionals

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- Correct Answer: You swim across. All the Crocodiles are attending the Lion's Animal Meeting.
- This tests whether you learn quickly from your mistakes. According to a consulting company, around 90% of the professionals they tested got all questions wrong. But many preschoolers got several correct answers.
- This conclusively disproves the theory that most professionals have the brains of a four year old.



# Introduction

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- **Again, my name is Vins Thornhill and I have been in the scaffolding business for 20 years.**
- **I thought it would be helpful if I used the time we have together today to discuss of the couple issues pertaining to scaffold work on ships that can be big issues.**
  - **Scaffold Work Over Water**
  - **Lock Out Tag Out or WAF on Ship Work**

# Working Over Water





- 1915.158(a)
- Personal flotation devices.
- **1915.158(a)(1)**
- PFDs (life preservers, life jackets, or work vests) worn by each affected employee must be United States Coast Guard (USCG) approved pursuant to 46 CFR part 160 (Type I, II, III, or V PFD) and marked for use as a work vest, for commercial use, or for use on vessels. USCG approval is pursuant to 46 CFR part 160, Coast Guard Lifesaving Equipment Specifications.

## **1915.158(a)(2)**

Prior to each use, personal flotation devices shall be inspected for dry rot, chemical damage, or other defects which may affect their strength and buoyancy. Defective personal flotation devices shall not be used

## **1915.158(b)**

Ring life buoys and ladders.

### **1915.158(b)(1)**

When work is being performed on a floating vessel 200 feet (61 m) or more in length, at least three 30-inch (0.76 m) U.S. Coast Guard approved ring life buoys with lines attached shall be located in readily visible and accessible places. Ring life buoys shall be located one forward, one aft, and one at the access to the gangway.

## **1915.158(b)(2)**

On floating vessels under 200 feet (61 m) in length, at least one 30-inch (0.76 m) U.S. Coast Guard approved ring life buoy with line attached shall be located at the gangway.

### **1915.158(b)(3)**

At least one 30-inch (0.76 m) U. S. Coast Guard approved ring life buoy with a line attached shall be located on each staging alongside of a floating vessel on which work is being performed.

### **1915.158(b)(4)**

At least 90 feet (27.43m) of line shall be attached to each ring life buoy.

## **1915.158(b)(5)**

There shall be at least one portable or permanent ladder in the vicinity of each floating vessel on which work is being performed. The ladder shall be of sufficient length to assist employees to reach safety in the event they fall into the water.

# What is a WAF?

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It's a

# Work Authorization Form

PREPARATION FOR WORK  
 AUTHORIZATION TO WORK  
 NOTIFICATION OF WORK COMPLETION  
 CHECK IF CONTINUED ON ANOTHER SHEET

Start  
 Date:

**Work Authorization Form**

1. SHIP <b>USS BATAAN (LHD 5)</b>		2. SYSTEM	3. WAF NO.
4. WORK ITEM No.		5. RA / SHOP / NAME / PHONE No.	
6. TECHNICAL WORK DOCUMENT			
7. SPACE/LOCATION & JOB DESCRIPTION			
8. POST WORK TESTING IS AS SPECIFIED: BELOW IN THE TWD NO TEST REQ FORMAL TEST PROGRAM			
9. RESTRICTIONS/PRECAUTIONS/REMARK.			
10. REPAIR ACTIVITY READY TO COMMENCE WORK RA DATE			
11. SAFETY OF SHIP (Submarine Only): YES NO (RA SSO signature required in depot avail.) <u>N/A</u> DATE _____			
12. CONCURRENCES: NAME/TITLE _____ DATE _____ NAME/TITLE _____ DATE _____			
13. TAG OUT REQUIRED: YES NO TAGOUT NO. _____ SYSTEM/COMPONENT IS LINED UP FOR WORK, A TAG-OUT IS HUNG, VERIFIED AND SIGNED BY THE REPAIR ACTIVITY (IF REQUIRED) AND SHIP. WATCH/DUTY OFF _____ DATE _____			
14. PLANT/SHIP CONDITIONS (E.G., DRAINED, DE-PRESSURIZED, ENERGIZED) SET. DIVISION RA IS AUTHORIZED TO START WORK. WAFCOR _____ DATE _____ RA _____ WATCH/DUTY OFF _____ DATE _____			
15. RESTRICTIONS/PRECAUTIONS/REMARKS			
16. WORK IS COMPLETE RA _____ EMP# _____ DATE _____ WAFCOR _____ DATE _____		17. TESTING IS COMPLETE WATCH/DUTY OFF <u>N/A</u> DATE _____	
18. WAF CLOSED OUT RA _____ DATE _____ WATCH/DUTY OFF _____ DATE _____ WAFCOR _____ DATE _____			



Questions?

