

MASTERLINK

Issue# 112

INSIDE

President's Letter	1
2022 ACRP General Assembly	2
Industry Calendar	3
Scholarship Winners	4
Webinar Review	5
New Members - 2021	7
NCCCO Update	8-12
Hoisting & Rigging	13-14



INSTRUCTORS | ENGINEERS | OPERATIONS | RSE

1.800.690.3921
www.acrp.net
28345 Beck Rd
Suite 209
Wixom, MI 48393



Letter from the President

Greetings fellow members of the ACRP! I trust you and your family are doing well. The past 20 months have been like no other, but it looks like the end of the current situation is winding down.

After having to cancel the past three ACRP General Assemblies we are currently on track to get these awesome events back going. Mark your calendars for May 11 – 13, 2022 as we will have our General Assembly in Denver, CO and it promises to be a great event. We have an awesome team that has planned the past three that were cancelled, and I know they are as ready as I am to finally make it a reality. As the GA planning is progressing, we are also planning an in-person Winter Board Meeting in February. We will have the dates and location for this meeting in the next few weeks. If you are a Board member please make plans to attend as we need your input to help guide our association.

As most things were cancelled this year, the scholarship program was going full forward. Congratulations to the 2021 ACRP scholarship winners! Mr. Carson Brown and Mr. Ryan Shire were the recipients of our first two scholarships valued at \$1,500.00 each! We will once again kick off another scholarship fundraiser with a raffle beginning in February 2022. We need ideas for raffle prizes: gift cards, trips, experiences, event tickets, etc. Send an email to Caren at caren@acrp.net with your ideas and let's make this another successful scholarship campaign.

Our Member Services team has been working hard for our association. Earlier this year this committee, along with JAGwire, have been producing Educational Webinars. If you missed the live presentation, you can always watch them on our website. Most of the past webinars are posted on our website under the Members Only page and can be viewed anytime. Many thanks to Member Services and JAGwire for providing this service to our members.

Looking forward to an awesome 2022!

Sincerely,

Jeff Hairston
President / ACRP





2022 GENERAL ASSEMBLY

MAY 10 -13
2022

SAVE
THE
DATE!

Denver, Colorado

Sonesta Downtown Denver
1450 Glenarm Place
Denver, CO 80202
\$169++/Single or Double

- Table Top Displays
- Keynote Speaker
- Round Table Discussions
- Sponsorship Opportunities

For more information contact
ACRP (800.690.3921) or go to:
www.acrp.net/events

UPCOMING EVENTS

2022 Calendar of Scheduled Meetings

(as of: 10/21/2021)

<u>January 19 - 20</u> AWRF Technical Committee Courtyard by Marriott Downtown Phoenix, Arizona	JANUARY S M T W T F S 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	FEBRUARY S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28	MARCH S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	<u>May</u> ASME B30 Committee Meetings Not Yet Posted on Website
<u>January 20 - 21</u> AWRF Board of Directors Courtyard by Marriott Downtown Phoenix, Arizona	APRIL S M T W T F S 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	MAY S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	JUNE S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	<u>June 2 - 4</u> Cordage Institute 100th Anniversary The Greenbrier White Sulpher Springs, West Virginia
<u>January</u> ASME B30 Committee Meetings Not Yet Posted on Website	February ACRP Board of Directors To Be Determined			<u>July 12 - 15</u> AWRF Technical Committee TBD
<u>March 15 - 18</u> OIPEEC / ISRD Joint Conference Maritim Hotel Stuttgart, Germany	JULY S M T W T F S 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	AUGUST S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	SEPTEMBER S M T W T F S 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	<u>July 16 - 17</u> AWRF Board of Directors Meeting TBD
<u>April 4 - 7</u> WSTDA Spring Meeting Hilton Salt Lake City Center Salt Lake City, Utah	OCTOBER S M T W T F S 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	NOVEMBER S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	DECEMBER S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	<u>September</u> ASME B30 Committee Not Yet Posted on Website
<u>April 24 - 27</u> SC & RA Conference Omni Shoreham Hotel Washington, District of Columbia	<u>April 24 - 27</u> AWRF Spring General Meeting Boca Raton Resort & Spa Boca Raton, Florida	HOLIDAYS January 1 - New Year's Day March 13 - Daylight Savings starts April 16 - Passover Begins April 17 - Easter Sunday May 8 - Mother's Day May 23 - Victoria Day (Canada) May 30 - Memorial Day	HOLIDAYS June 19 - Father's Day July 1 - Canada Day July 4 - Independence Day September 5 - Labor Day September 26 - Rosh Hashana October 8 - Yom Kippur October 10 - Canadian Thanksgiving	<u>October 3 - 6</u> WSTDA Fall Meeting JW Marriott Savannah Plant Riverside Savannah, Georgia
<u>May 10 - 13</u> ACRP General Assembly Sonesta Downtown Denver Denver, Colorado			HOLIDAYS November 6 - Daylight Savings ends November 11 - Veteran's Day November 24 - Thanksgiving Day December 19 - Hanukkah begins December 25 - Christmas Day	<u>October 16 - 19</u> AWRF Fall General Meeting Loews Philadelphia Hotel Philadelphia, Pennsylvania
				<u>November</u> OIPEEC Management Committee Hotel to be determined Exact dates to be determined

updated as of: 10/21/2021 10:21 AM

Does the ACRP office have your most current contact information? Have you changed your address or e-mail address recently?

Email: caren@acrp.net or emily@acrp.net or give us a call at 1-800-690-3921.

Congratulations!



Ryan Shire
Northampton
Community College

"I'd like to thank ACRP for giving me this chance and selecting me for this scholarship. My goal with my degree is to own and operate an auto shop."



Carson Brown
University of
Louisiana at Monroe

"I cannot thank the members of ACRP enough for awarding me this scholarship. My future goal is to acquire a position in Risk Management."

2021

ACRP INAUGURAL SCHOLARSHIP RECIPIENTS

ACRP Webinar Review

Starting in January of this year, ACRP began its first ever, Webinar Series. Due to the pandemic and uncertainty in gathering for an in-person General Assembly; the program launched January 12th with Mr. Ron Kief from Cianbro. The inaugural topic was *"Replacement of Two 440ft. Tall Transmission Towers on the James River"*.

Do you know that ACRP members can access previous presentations in the Members Only section of the website? How do I access the Members Only Section?

****Note: If you haven't already logged into the Members Only section, or don't know your password, a username has been set-up with the e-mail address ACRP has on file for you. You will need to change the password. Click the Reset password button. An email will be sent with a link to reset.** If you need assistance, please contact the ACRP office.

Below is a listing of the webinars to date:

ACRP 2021 Webinar Topics

<u>Date</u>	<u>Topics</u>	<u>Presenters</u>
January 12th	Replacement of Two 440 ft Tall Transmission Towers on The James River	Ron Kief, P.E.
January 19th	Considerations for Crane Controls Upgrades on Overhead Cranes	Brookes Bacon
February 2nd	Understanding how to identify 4-leg rigging system's share of load	Mike Riggs
February 18th	Wind effects of cranes, rigging and load, Part 1, February	Bradley Closson
March 9th	Roles and Responsibilities in the Crane Industry	CJ Wilson
March 23rd	Right Tool for the Right Job	JP Biondo
April 20th	Below the Hook Lifting Devices	Paul Sweeney, P.E.
May 11th	Load Charts - (this presentation is not available)	Ron Kohner, P.E. (ret.)
May 25th	Fall Protection	Mike Mills
June 8th	Load Orientation Technology System, Verton	Mark Filippelli
June 22nd	Telescopic Hydraulic Gantry Systems	Dave Duerr, P.E. (ret.)
July 13th	Slings, Compliance, Worst Practices	Dave Decker
August 17th	Technology in Crane and Rigging	Todd Harding
September 13th	Post-Accident Investigation and Common Accident Causes	Matt Gardiner, P.E.
October 19th	Slings: The Good, The Bad and The Ugly	David Schultz
November		
December	Year End Webinar Break	



Association of Crane & Rigging Professionals

Membership Application Form

Company Name: _____ Website: _____

Primary Member Name: _____ Title: _____

Additional Member Name(s): _____

Mailing Address: _____

City: _____ State / Province: _____

Zip or Postal Code: _____ Email Address: _____

Phone: _____ Fax: _____

Membership Category (Select One):

- Instruction:* ☐ Members whose majority of work activity is to provide training and educational services.
- Engineering:* ☐ Members whose majority of work activity is to provide engineering.
- Field Operations:* ☐ Members whose majority of work activity is to oversee or conduct load handling activities.
- HSE:* ☐ Members whose majority of work activity is to provide health, safety and environmental services.
- Associate:* ☐ Members whose majority of work activity involves business management, professional services, marketing, sales or manufacturing.

How did you hear about ACRP?

Annual Membership Dues

\$525.00 – primary member per calendar year

\$165.00 – each additional member from the same organization

Membership invoice can be paid on-line by credit card or by check mailed to the below address

Email Address for Invoice: _____

Signature: _____ Date: _____

Association of Crane & Rigging Professionals 28345 Beck Rd. STE 209 Wixom, MI 48393
P: 800.690.3921 / +01.734.658.4434 www.acrp.net



WELCOME

New Members in 2021



Tony Cygan
Field Operations

BAE SYSTEMS

Brad Briles
Instruction



Todd Harding,
Field Operations

Pankow

Shaun Trussler
Addt'l Instruction

CIANBRO

Ron Kief
Addt'l Engineering



Ryan Fleminster
Addt'l Instruction



Ian Kirk
Instruction



Patrick Shire
Addt'l Associate
Sam Cooper
Associate



Doug Ambrose
Addt'l Instruction

Cody Fisher
Addt'l Instruction

John Kirk
Addt'l Instruction

Austyn Gaines
Addt'l Instruction

Jay Fiery
Addt'l Instruction



NCCCCO Update

Fellow ACRP Members

In case you were unable to attend the NCCCCO Foundation Industry Forum on Personnel Qualifications on 11/11/2021 either in person or virtually, here is a condensed written recap of the speakers and their presentations.

Please know that a full recording of the entire forum is available to download at <http://www.ncccofoundation.org/sixth-annual-industry-forum-2021/>. Enter the password FORUM2021 and you will have full access to all the material from the Forum.

Scott Ketcham OSHA Director of Construction

What is new with Fed OSHA

- OSHA will focus on Construction for the next few years
- Focusing on Four Hazards: Falls, stuck by, caught between, Crane Hazards

COVID 19 Emergency Temporary Standard

- Discussed the National Emphasis Program (NEP), healthcare emergency standard of June 21, 2021, for both healthcare and non-healthcare industries, COVID vaccination standard.
- OSHA COVID fact sheets, compliance assistance materials, FAQ, enforcement policies and info, Webinar video for information (on you-tube as well) www.osha.gov/coronavirus

OSHA Focusing on Four Hazards:

- Preventing Falls, Struck-by, Electrocutions, Caught in-between
- Website has information, products and training www.osha.gov/training/outreach/construction/focus-four
- Recommended Practices for Safety and Health Programs in Construction www.osha.gov/publications/OSHA3886.pdf [canstockphoto18596524](https://www.canstockphoto.com/18596524)
- Inspections Oct 2020-Oct 2021: 24,289, violations issued 31,700, 80% were serious violations, 52% were in Construction

Top Violations:

- | | |
|--|---|
| o Fall Protect | o Excavation |
| o Ladders | o Fall Protection Systems and Practices |
| o Scaffolding | o FP Training |
| o Safety and Health provisions 1926.20 | o Eye and Face Protection |
| o Aerial Lifts | o Head Protection |

Cranes in Construction

- Fatalities (Truck Mounted Cranes have highest #)

2015	24	all	11	construction	2018	23	8
2016	32		18		2019	23	2 (still figuring)
2017	16		8		Total	118	45 (no 2019)

Top Citations for Cranes in Construction

- | | |
|---|-------------------------------------|
| 1. Operator requirements-certification 1427a | 7. Competent person inspections |
| 2. Powerline radius | 8. Swing Radius entrance prevention |
| 3. 12 month inspection | 9. Rigged by Qualified Rigger |
| 4. Load charts not available | 10. Signal Person Qualifications |
| 5. Keeping clear of load fall zone | |
| 6. Powerline safety measures, spotter, visual aides | |

OSHA Crane Officer/Inspectors Directive Update (additional clarification on requirements)

1. CPL 02-01-057 Directive is for OSHA Officers/Inspectors:
2. Does not create any new inspector obligations
3. When to initiate the compliance inspection
4. How to approach the compliance inspection
5. How to determine if training meets standards
6. Steps to take when inspecting, checking certification/licensing of operators
7. Verification of fraudulent Certifications

Crane Employers Update

1. Crane Outreach and Compliance Assistance
2. When employer would need to conduct additional evaluations for an operator
3. Updated Small Entity Compliance Guide coming soon
4. FAQ and answer lists
5. Leadership on employer evaluations

Developing OSHA Excavation Directive to include:

- o Training , safety , equipment inspection procedures, inspection guidance
 - Developing OSHA Unmanned Aerial Systems (Drone) Directive
- o OSHA has 15 drones
- o Addressing inaccessibility issues, technical assistance in emergency situations, compliance assistance activities, training activities/requirements

Upcoming 2022 OSHA Outreach Events

- April Work Zone Awareness
- May Heat Prevention Stand-down
- May Fall Prevention Week
- June Trench Safety Stand-down

New Protecting Workers Rights pamphlet 3021

- Right to file complaint, Rights of workers, Rights following inspection
Dozens of YouTube information on OSHA and best practice videos are available, Google it

Question asked of presenter

- Q: When would directive or corrections document on amending the erroneous telehandler winch or hook statement be coming?
- A: Coming in Spring of 2022. He avoided comment on what the rule change would state.

Graham Brent

NCCCO Foundation Directories to help employers Navigate certification compliance

- NEW Crane Operator Evaluation brochure
- New Virtual reality training brochure
- Who is accredited Document and Listing:
- Most similar Certification Type Directory from the Crane Type Advisory Group (CTAG)
Link is ncccofoundation.org/most-similar

Bom Mahlman

Director of Certification and Credentialing NCCCO

Certification Exams

- Overall, Paper Pencil testing is scoring higher than Computer Based Testing, Why?
PP received training immediately prior to taking test
- Written Exam test preparation 64% took a training course by a 3rd party
- Scores Training course 3rd party 84 ave, Union 83 ave, self or no study 79 ave

John Zarian

Senior Director, General Counsel, Quality Management NCCCO

Safeguarding Intellectual Property, New CCO Trademarks

- Today 85% of corporate assets in intangibles and intellectual property
- Forms of intellectual property: Copyright, trade secrets, patents, trademarks
- Trademark watch services monitor the internet for infractions
- There are NEW CCO trademarks and use permissions

Zack Parnell
President CEO ITI

Best practices in Design and Implementation of training protocols

- Need to create a learning experience that makes people happy
- Education has not changed in 100 years, still done with limited activity and not an experience
- Passive (old) vs active learning (new). Passive is still 70% no interaction, active learning is still 30% engage the student in activity or an experience, should be reversed...
- Best practice is to design group workshops, with problem solving and decision making exercises
- Use interactive evaluation of active learning, coaching sessions
- Quizzing learners, use visuals if possible
- Efficient field practical evaluations
- VR experience and training experience

Brooke Konopacki

Director of Education Programs Association of Equipment Manufacturers AEM

Education at CON EXPO/AG March 14-18 2023

- 45-60 minute educational blocks with adjusted schedules, new tracks and topics
- New Locations for all education is in the huge new West Hall
- Call for session ideas
 - o Portal for ideas and presentation requests
 - o Contact Brooke or Graham Brent
- Using the underground Tesla loop for transportation from South Hall to the West Hall

Thom Sickelsteel

CEO of NCCCO

What's Next in NCCCO Certification

- Telehandler Certification Q1 2022
- Concrete Pump Operators Q1 2022 written exam only, practical added later
- New Written Exam Methods, 4th Q 2022 go live, trying to eliminate paper
 - o New Computer Based Event Testing (groups)
 - o Live online proctor testing for individuals
 - o Paper Pencil only as a variance/exception
- Practical exams recording forms to be tablet based in, 4th Q 2022 go live, eliminating paper
- Paper Pencil Exam and Practical Exam Application Process is now online and automated
- Download the MyCCO App (newly updated version)
 - o Connects all your information, certification status, schedule exams, see results
- Written and Practical Exam Pricing Changes
 - o Now all single test pricing, removed bundle pricing
 - o No constraints for test dates

Cory Albano

CEO of Heavy Equipment Colleges of America

Recognizing Excellence in Veterans Transition

- NCCCO Foundation is also heavily involved
- Google the websites for Army COOL website, Navy COOL website
- VICTOR Veterans in Crane Training Outstanding Recognition program between NCCCO Foundation and HEC

Todd Schlekeway

President CEO NATE Communications Infrastructure Contractors Assn

Duane MacEntee

Executive Director NWSA National Wireless Safety Alliance

Elevate Wireless

- Goal is Certifying Tower Crane Technician Workforce
- US has 18% of the worlds wireless Investment, 417K cell sites in US
- Workforce shortages, 14K more workers needed in next 3 years, 70% are tower workers
- At 11 Community Colleges, looking for more collaboration, turnkey 12wk programs for colleges
- Career Awareness, developed marketing/recruitment movie VERTICAL FREEDOM, NEVER STOP CLIMBING (on YouTube)

- **12wk program Includes:**
 - o First aid, CPR
 - o OSHA 10
 - o FR/EME
 - o Fall Protection
 - o NCCCO Telecom Rigging
 - o Defensive Driving

Vijay Krishna

Vice President Credentialing, ANSI National Accreditation Board

What's important about Accreditation

- Audited Process ensure reliability and fairness
- Requires accounting for dialects and regionality
- Second Language testing
 - o Translation must go both ways, forward and backward
 - o Expert review for approval of exam, performance review of new test
 - o Cultural significance and word specific meanings and connotations
 - o No candidate should have advantage or disadvantage due to the language; the English test should perform the same as the second language test

Stephanie Wood

Director of Product Safety, Terex Corp. Vice Chair ASME B30

What's "Bubbling Under" in lifting equipment standards

ASME B30.5 AND 23 Subcommittees

- 3yr cycle 2021 B30.5, B30.9, B30.20,
- 5yr cycle B30.22 (on hold), B30.23, B30.26 (reaffirm 2015 V), B30.32 Unmanned Aircraft Systems (by end of year)
- ***B30.5 (Mobile and Locomotive Cranes) current changes***
 - o Updated crane types and illustrations
 - o Qualification for riggers and rigging
 - o Physical qualification for operators to align with DOT
 - o Add signalperson definition and responsibilities
- ***Next revision B30.5 (Mobile and Locomotive Cranes)***
 - o Removal of rope design, inspection and maintenance criteria and referring to B30.30
 - o Updates to signalperson qualifications
 - o Updates to critical lifts, rename to lift planning section
 - o Operator Qualification requirements add regarding operational aids
 - o Prohibit personnel under rope reeving, blocks, ball and devices
 - o Brakes and superstructure
 - o Adjustments and repairs
 - o Re-qualification every 5 years
 - o Updating work area diagrams
 - o Performance requirements for slew related capacities
- ***2021 B30.9 (Slings)***
 - o Expanding on sling protection
 - o Expanding endless slings
 - o Connection hardware shape and size for rope rating and
 - o Sling minimum radius requirements matching WSTDA
 - o Proof testing new wire rope slings using previously used or welded fittings
- ***B30.22 (Articulating Boom Cranes) Delayed***
 - o Refer to B30.30 for rope inspection
 - o Signalpersons description and responsibility
 - o Update to electrical section to align with B30.5 (currently being challenged)
- ***B30.20 (Below-the-Hook Lifting Devices)***
 - o Updating Inspection frequent and periodic
 - o Updating load testing for clamps

- **B30.23 (Personnel Lifting Systems)**
 - o New using drones for inspection
 - o Scope, definitions, personnel competence, and docs
 - o UAS Characteristics
 - o UAS Use, inspection , testing, maintenance, and load handling operations
 - o UAS operational personnel, preparations, and practices

Any questions please feel free to contact me.

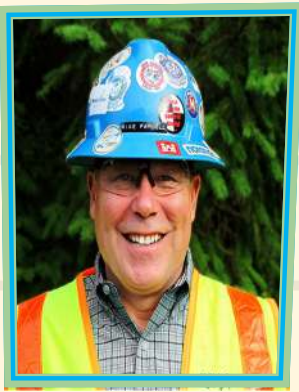
Submitted by
Ron Overton
OVERTON Safety Training Inc.
ron@overtonsafety.com

ACRP Members

**WE ARE
LOOKING FOR...**

**BOARD
MEMBERS**

**Passionate about the Crane
& Rigging Industry and
specifically the growth of
the ACRP Association.**



Hoisting & Rigging Best Practices

Author: Mike Parnell, Senior Consultant, Industrial Training International, Woodland, WA

There are many ways to deliver a training and good practices message. Sometimes we offer the Do's along with the benefits, while at other times we proclaim a Don't, tied to the hazard by spoken, written or visual words or images. Both work.

On the following page, you can see a mini-poster entitled 'Hoisting & Rigging Best Practices', from Vermeer Corporation. They contracted our company to conduct audits, to provide crane and rigging training, and to create a collection of educational/training documents and videos to help lower risks and reduce incidents. They agreed to the one-time reproduction of a poster (in the ACRP Masterlink) that was created for their teammates in facilities and manufacturing locations, as a reminder about key ways to avoid crane and rigging incidents.

Rather than expounding on the messages included in the poster, I'll just let them speak for themselves, as intended. The eight selected practices are a subset of a 24-piece video package that was produced for Vermeer teammates. The volume of best practices or do's/don'ts with cranes and rigging could seem rather endless. However, collected together for Vermeer were those potential events that best addressed load/material handling issues within their manufacturing facilities. You could potentially arrive at a different 24-piece set for a construction site or an oil refinery. Each environment offers some unique handling challenges, but at the end of the day, (to paraphrase one of the ACRP Founders, Brad Closson) "Everything we do with cranes and rigging is in an effort to overcome gravity."

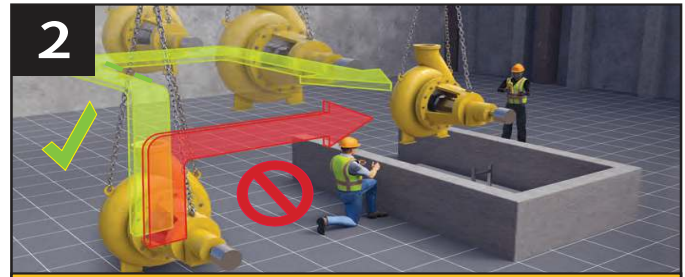
We should approach each task with professionalism, proper planning, good execution, at the lowest reasonable level of risk. (Many thanks to Vermeer Corp. and Mr. Fred Earley, for their willingness to share the Best Practices poster, in their universal effort to reduce risks, incidents and injuries.)



HOISTING & RIGGING BEST PRACTICES



Never operate a hoist if you have not been properly trained!



Never move hoisted materials over other individuals! Ensure a clear path of travel.



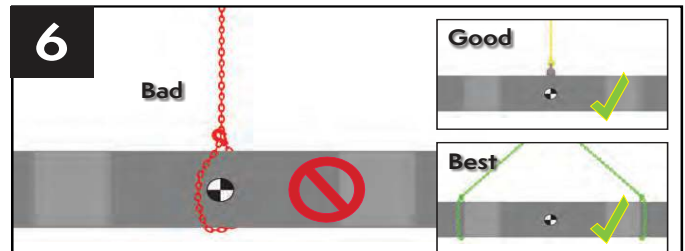
Never leave a suspended load. Lower the load before you leave.



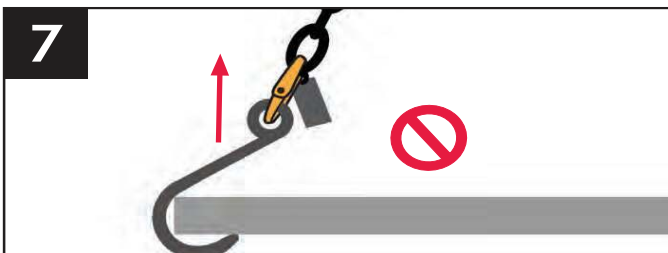
Never work under a suspended load without transferring the load weight to an approved support system.



Never rig below 30°. Flat rigging angles can **kill!**



Never rig with a single-hitch below the center of gravity. Use single or multi-leg slings that surround or are above the CG.



Never tip-load any type of hoisting hook. Doing so can cause hook failure and serious injury!



Never hoist before ensuring that the load is not anchored or restricted by any other object.

If you do not understand these safety factors please **STOP** and ask a qualified team member or safety representative for additional guidance.



happy

NEW
YEAR

2022

from the ACRP Office