

02/03/2015

Rescue Plan

AAA BB 104a Job Specific Rescue Plan

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A small black silhouette of a person rappelling down a rope, positioned between the '4' and 'you' in the logo.

Vladislav Melnicov, IRATA Level 3/14XXX/T
SAFEWORK4YOU.COM

Rope Access Rescue Plan Safework4you.com

Assessor Name				Vladislav Melnicov		Date	02/03/2015		IRATA No.	3/14XXX/T			
Location		Alpha, Offshore installation, Qatar				Structure/Natural Feature		Offshore Installation					
		Detail of Working Environment		Offshore Environment						Height	10-30 m		
Weather Issues		Good – high wind				Duration		28 Days		Personnel Requirement		1 x Rope Access Safety Supervisor IRATA Level 3 2 x Rope Access Technician IRATA Level 1	
Operation / Work Task		Grinding/Painting, Lifting & Rigging. Installation of cables and tray covers.											

1. Work on Ropes Between Platform Decks Rescue from Descender:

The rescue plan during normal rope access activities as descending on board, would be “Rescue from Descender”



- Step 1: ascend casualty's backup rope until your backup reaches the casualty's descender attach a long cow's tail to the casualty's D-ring;
- Step 2: remove your backup that is below the casualty's descender and replace it above the casualty's descender;
- Step 3: ascend until you are slightly above the casualty and change into your descender;
- Step 4: connect a short attachment from your descender connector to casualty's central D-ring (two connectors);
- Step 5: remove casualty's backup device;
- Step 6: transfer casualty's weight onto you by lowering him on his descender;
- Step 7: remove casualty's descender, ensuring your backup does not come under load;
- Step 8: attach a connector from casualty's chest harness to the short connection, to hold him upright;
- Step 9: ensure your working rope is by your right side and your backup rope is by your left side;
- Step 10: pass the working rope through a connector at your right work positioning D-ring;
- Step 11: this is a requirement when using Petzl descenders to provide additional friction;
- Step 12: check you have a clear route to descend to a safe area;
- Step 13: descend smoothly to the deck with casualty.

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2. Work on Ropes Between Platform Decks Rescue from Ascenders:

The rescue plan during normal rope access activities as ascending on board, would be “Rescue from Ascenders”



- Step 1: ascend casualty's backup rope until your backup reaches the casualty's descender attach a long cow's tail to the casualty's D-ring;
- Step 2: the casualty should already be in a near upright position via his chest ascender attachment;
- Step 3: make a cow's tail attachment to the casualty D-ring to enable you to move your back-up device to a position above the casualty;
- Step 4: ascend to approx. 0.5m above the casualty and change into descent mode;
- Step 5: connect a short attachment from your descender connector to casualty's chest A-ring (two connectors);
- Step 6: attach your foot loop to the casualty's chest A-ring and then pass the foot loop through the rescuers back-up device connector which has been connected to his working rope.
- Step 7: stand in the foot loop and pull upwards on the casualty's harness. This will lift the casualty enough to enable his chest ascender to be disconnected from the rope. Lower the casualty until he is suspended on rescuer descender;
- Step 8: ensure your working rope is by your right side and your backup rope is by your left side;
- Step 9: pass the working rope through a connector at your right work positioning D-ring;
- Step 10: this is a requirement when using Petzl descenders to provide additional friction;
- Step 11: check you have a clear route to descend to a safe area;
- Step 12: descend smoothly to the deck with casualty.

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3. Work on Ropes Between Platform Decks under grating Rescue from Ascenders or Descender:

The rescue plan during normal rope access activities as ascending or descending on board under the grating, would be “Rescue from under grating using “Caver lift” technique to switch basic rigging to lowering system.

Step 1: at ropes rigging stage, use at least double length of rope for each drop and basic rigging from anchor wire ropes and use DMM Edgehog rope protector for grating;

Step 2: in case of emergency, using “caver lift” technique, replace knots with lowering system;

Step 3: from additional anchor point, install ascender upside down, connect to the rope and from lower attachment of ascender install pulley;

Step 4: using foot lube or cow’s tail (depend from position anchor point) place them through the pulley and using additional connector and ascender connect at the end of cow’s tail or foot lube, and then connect to the rope below first ascender;

Step 5: connect foot lube (from rope) or cow’s tail to chest ascender croll and using counterbalance technique lift casualty up;

Step 6: make slack on the main rope above top ascender;

Step 7: install temporary back-up on back-up rope;

Step 8: remove and de-rig ropes from main anchor point;

Step 9: install from main anchor point descender and back-up;

Step 10: remove temporary back-up and “Caver lift” from the ropes;

Step 11: lower casualty smoothly to the lower deck.



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4. Work on Ropes Overboard under grating, Rescue from Ascenders or Descender:



The rescue plan during normal rope access activities as ascending or descending overboard (above water) under the grating, would be “Rescue from under grating using “Caver lift” technique. Switch basic rigging to lowering system and setup cross hauling system through grating, then lower Casualty to Spider Deck.

Step 1: at ropes rigging stage, use at least double length of rope for each drop and basic rigging from anchor wire ropes and use DMM Edgehog rope protector for grating;

Step 2: in case of emergency, using “caver lift” technique, replace knots with lowering system;

Step 3: from additional anchor point, install ascender upside down, connect to the rope and from lower attachment of ascender install pulley;

Step 4: using foot lube or cow’s tail (depend from position anchor point) place them through the pulley and using additional connector and ascender connect at the end of cow’s tail or foot lube, and then connect to the rope below first ascender;

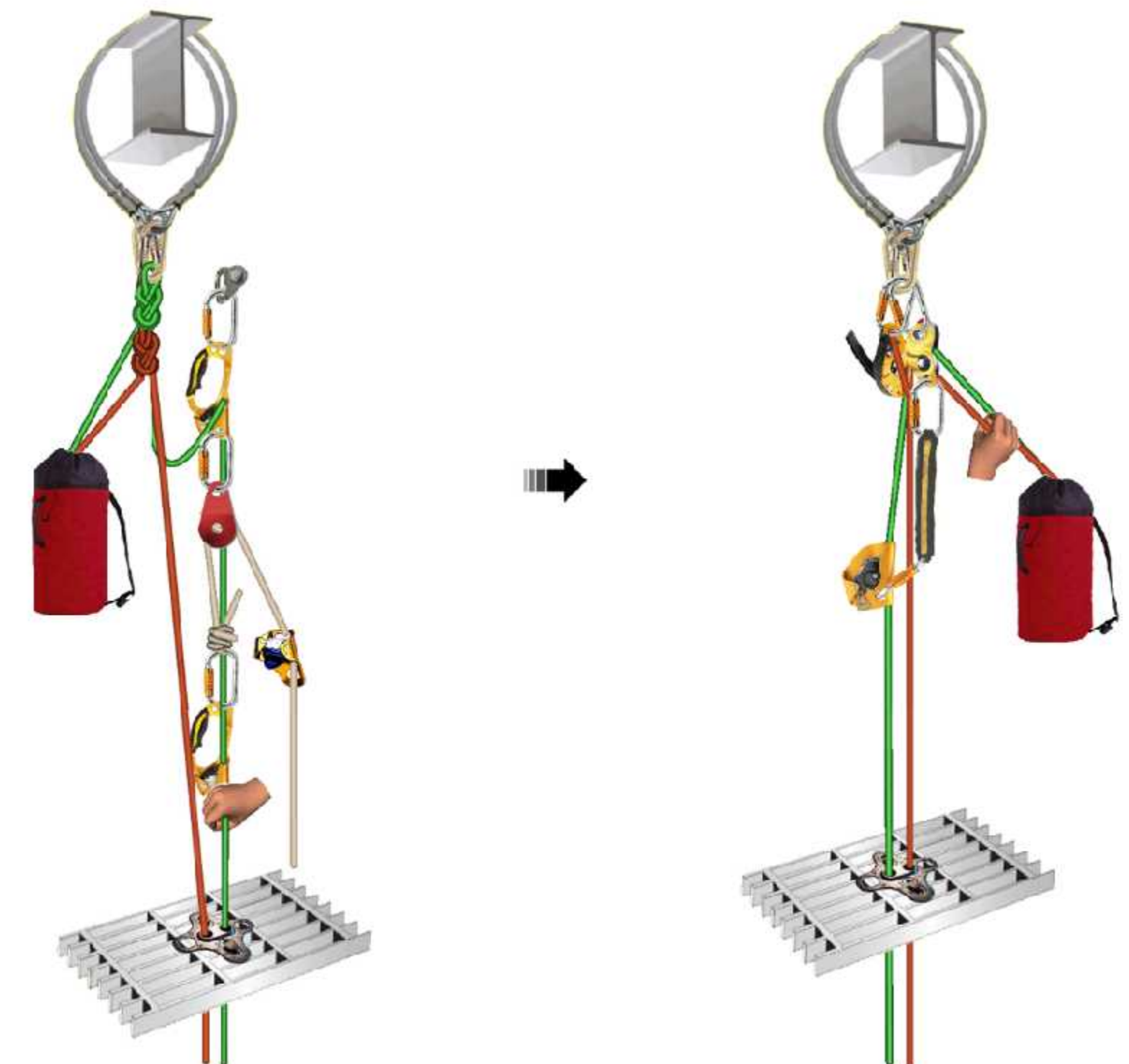
Step 5: connect foot lube (from rope) or cow’s tail to chest ascender croll and using counterbalance technique lift casualty up;

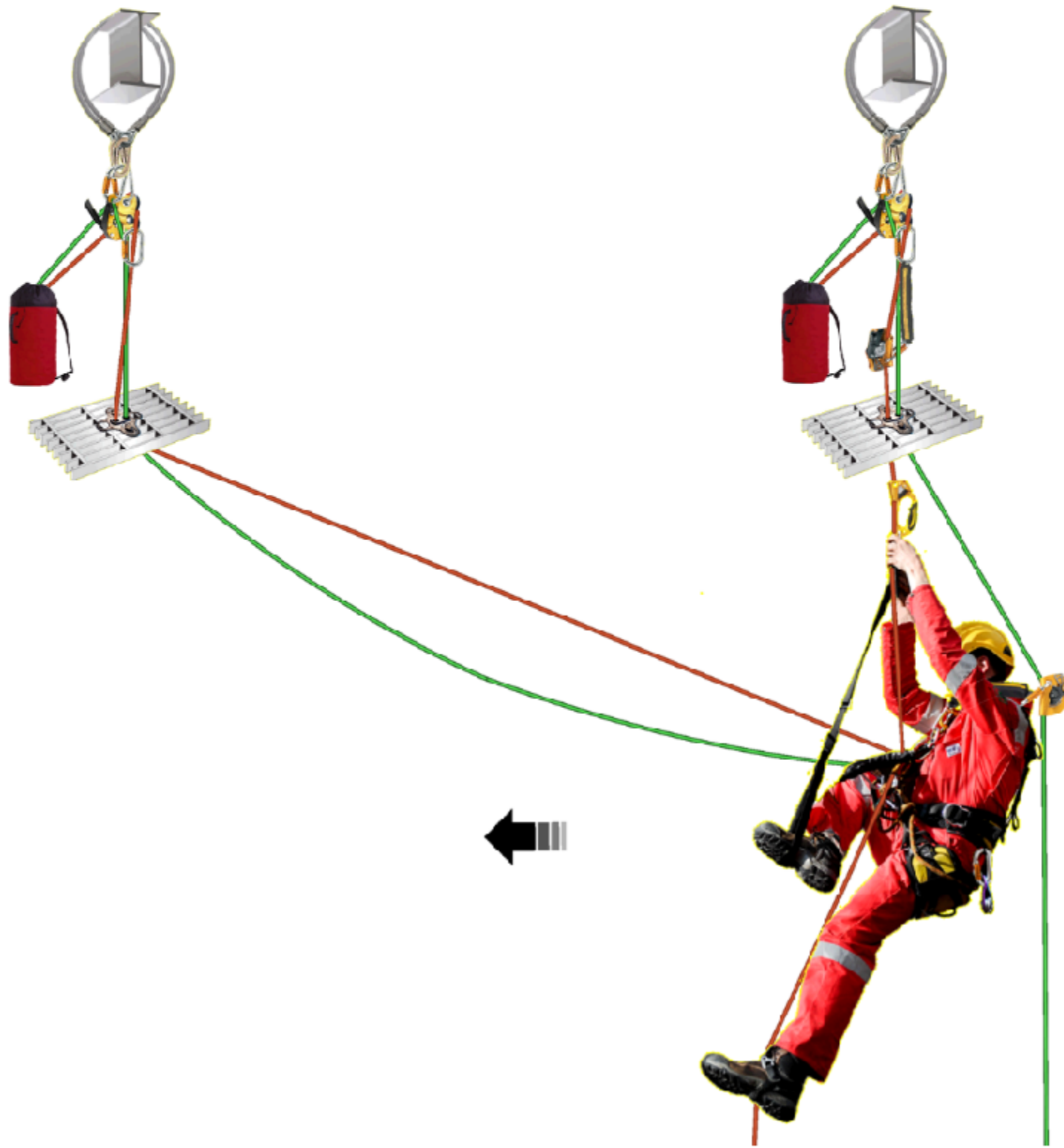
Step 6: make slack on the main rope above top ascender;

Step 7: install temporary back-up on back-up rope;

Step 8: remove and de-rig ropes from main anchor point;

Step 9: install from main anchor point descender and back-up;





- Step 10: remove temporary back-up and “Caver lift” from the ropes;
- Step 11: lower casualty for few meters;
- Step 12: send level 1 or Level 2 on the extra set ropes to connect two ropes rigged through grating using DMM Edge hog rope protector above Spider Deck to casualty D-ring with two connectors;
- Step 13: then install hauling counterbalance system from main anchor point using Pro Traxion self-locking pulley and Rig descender.
- Step 14: start haul casualty with hauling ropes and lower with existing working ropes.
- Step 15: at point, where casualty will be above Spider Deck, switch hauling system to lowering system;
- Step 16: Install from lower hole of Pro Traxion Absorbica shock absorber with ASAP, deactivate self-locking mechanism, and use descender to lower casualty;
- Step 17: lower casualty smoothly to the lower Spider Deck.



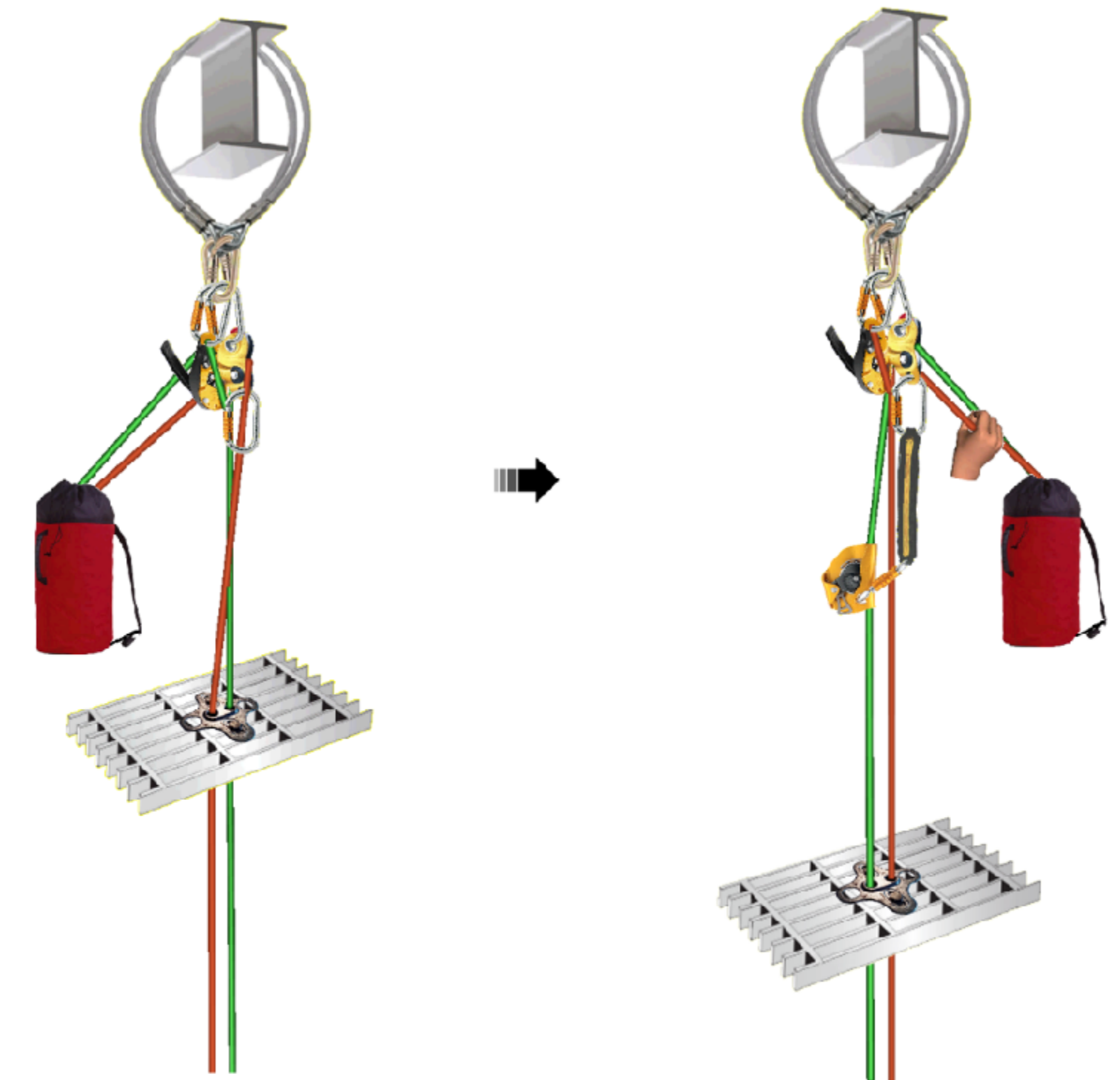
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5. Work on Cow's tails Between Platform Decks under grating Rescue from Cow's tails:

The rescue plan during normal rope access activities as work on Cow's tails on board under the grating, would be "Rescue from under grating using hauling technique to switch to lowering system.

- Step 1: in case of emergency send one of level 1 or Level 2 to casualty;
- Step 2: rig hauling system above casualty through grating using wire anchor slings, DMM Edge hog rope protector, Rig descender, and Pro Traxion Self-locking pulley;
- Step 3: level 1 or Level 2 should connect two ropes to casualty chest A-ring using two connectors;
- Step 4: lift up casualty using hauling system, and remove Cow's tails from anchor points;
- Step 5: convert hauling system to lowering system adding to lower hole ASAP with shock absorber;
- Step 6: lower casualty smoothly to the lower deck.



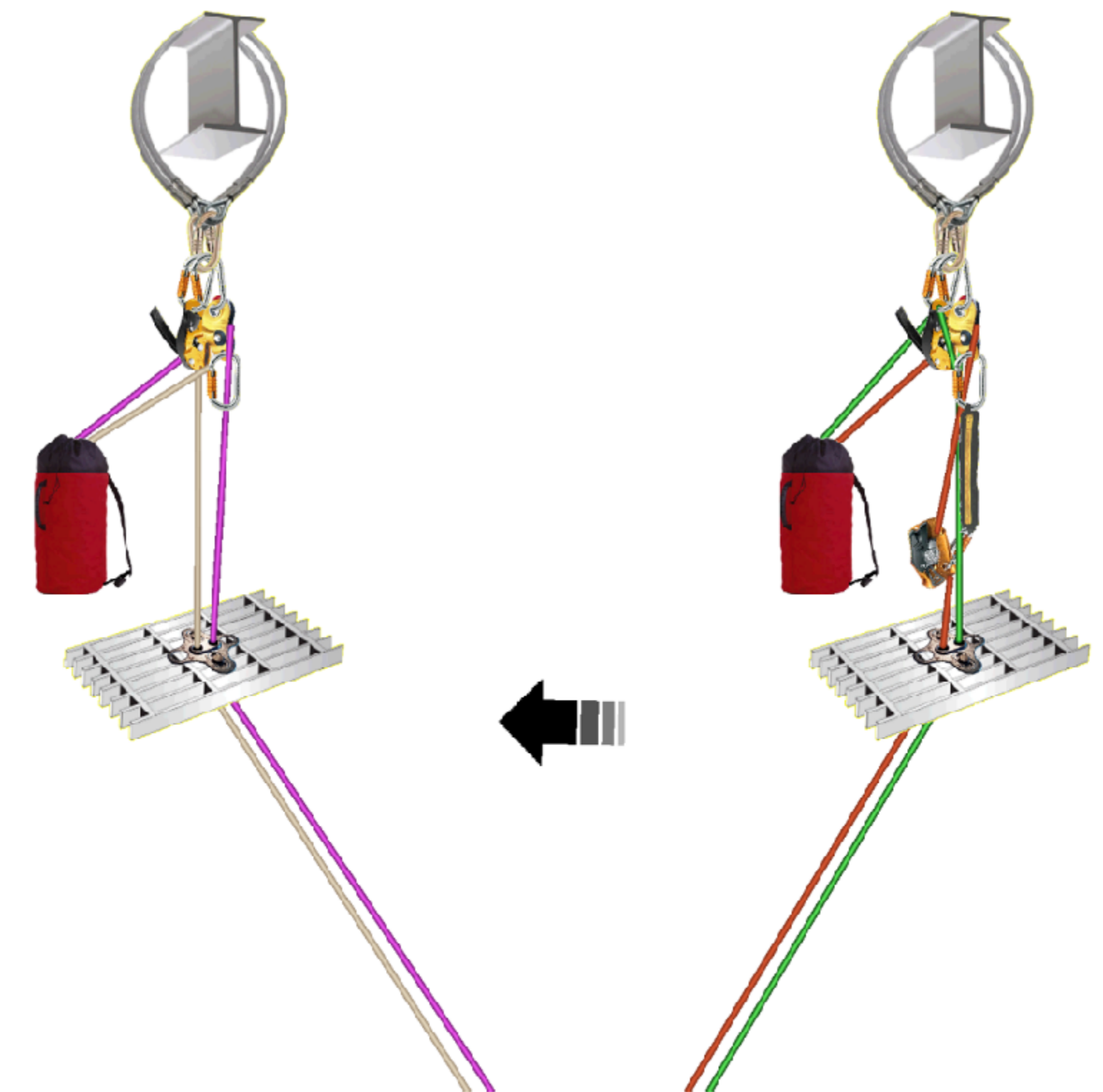
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6. Work on Cow's tails Overboard under grating Rescue from Cow's tails and Cross haul transfer:

The rescue plan during normal rope access activities as work on Cow's tails overboard under the grating, would be "Rescue from under grating using hauling technique to switch to Cross hauling system and then to lowering system.

- Step 1: in case of emergency send one of level 1 or Level 2 to casualty;
- Step 2: rig hauling system above casualty through grating using wire anchor slings, DMM Edge hog rope protector, Rig descender, and Pro Traxion Self-locking pulley;
- Step 3: level 1 or Level 2 should connect 4 ropes to casualty chest A-ring using 4 connectors;
- Step 4: lift up casualty using hauling system, and remove Cow's tails from anchor points;
- Step 5: convert hauling system to lowering system adding to lower hole ASAP with shock absorber;
- Step 6: lower casualty for few meters;
- Step 7: then install hauling counterbalance system from main anchor point using Pro Traxion self-locking pulley and Rig descender.
- Step 14: start haul casualty with hauling ropes and lower with existing lowering system.
- Step 15: at point, where casualty will be above Spider Deck, or boat landing area, switch hauling system to lowering system;
- Step 16: Install from lower hole of Pro Traxion Absorbica shock absorber with ASAP, deactivate self-locking mechanism, and use descender to lower casualty;
- Step 17: lower casualty smoothly to the lower Spider Deck or Boat landing area.



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7. Rescue kit:

1. First aid Kit
2. Descenders Rig x 2
3. Self-locking Pulley x 2
4. Hand ascender x 2
5. Connectors x 10
6. Anchor wire slings 2m x 4
7. Ropes 50m x 2
8. Rope Protectors DMM Edge hog x 2
9. Pulley x 2

