

Rescue Tripods keep 'falling over'



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ITRS, Portland, OR, USA, 2015

Introduction

- Twin lanyards
- Michael Wilson
- Culture of accidents and near misses
- Please disagree.
- Paper published on www.ropelab.com.au



Three key areas of focus

Plenty of great thought for 'Back end'

Time to look at the 'Front end':

- Weight of the 'Rescue Load'
- Load and Litter rigging
- Tripod and AHD selection



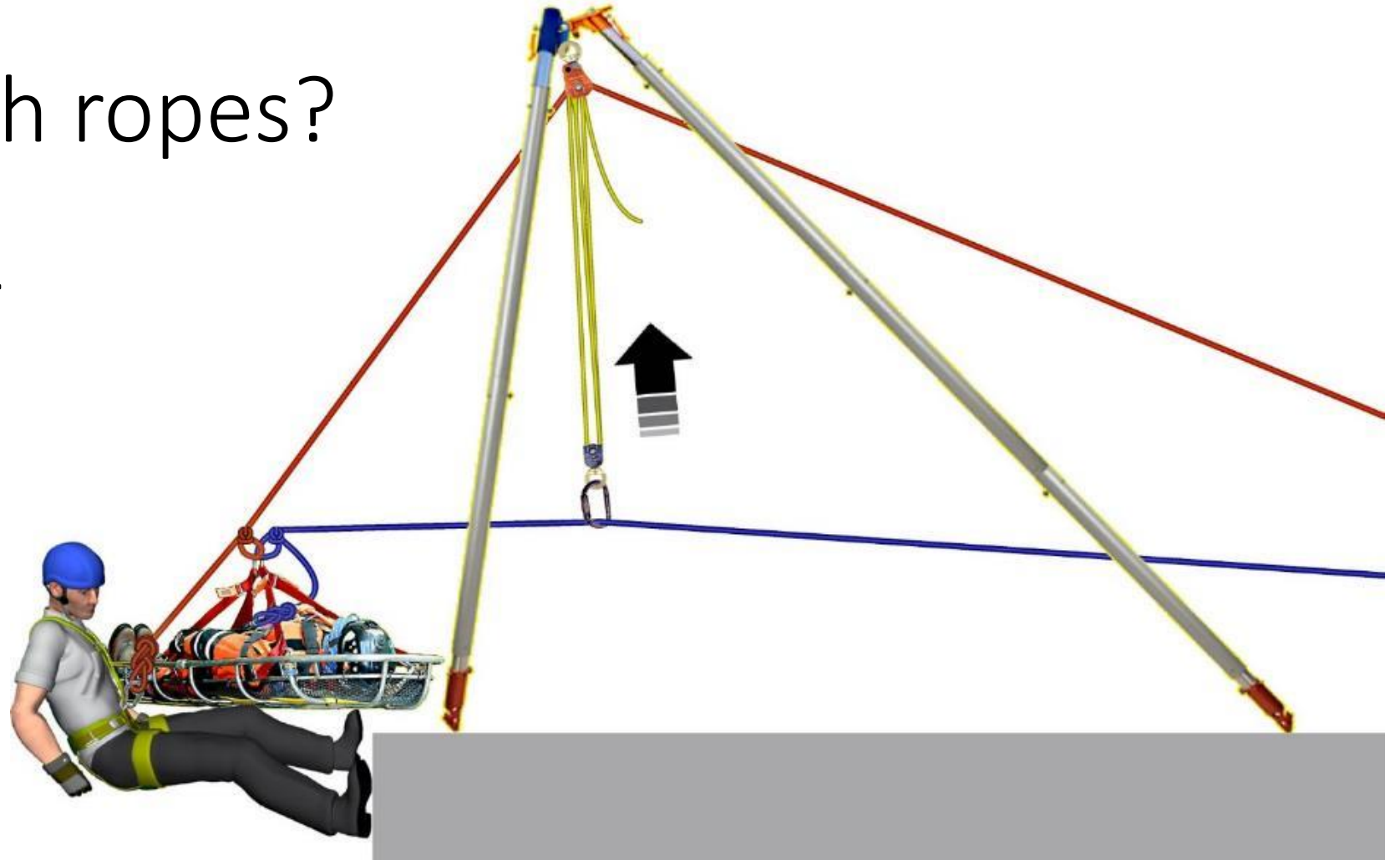
Rescue Load

- Medical assistance?
- Litter management?



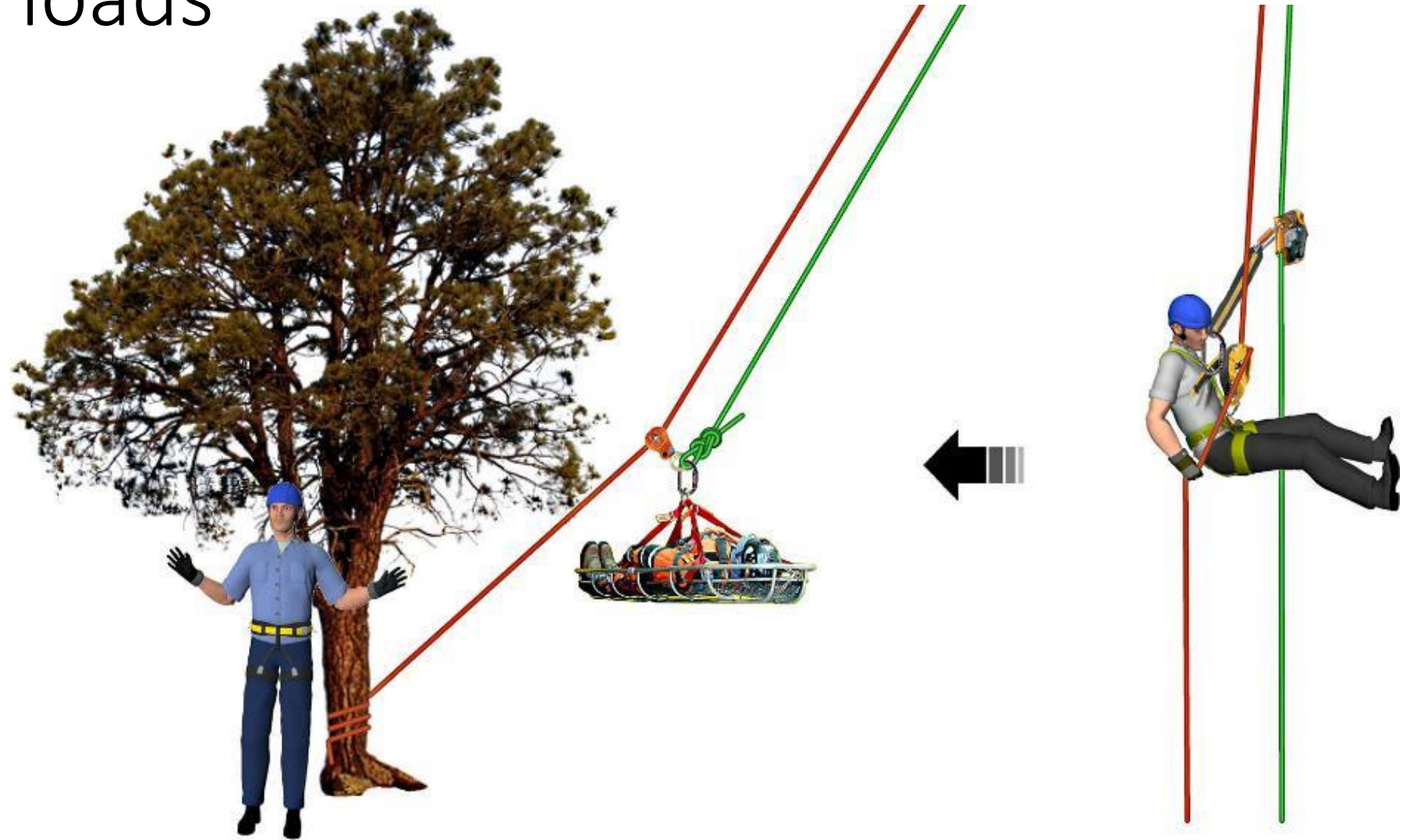
Elevate both ropes?

- Human error, or
- Tripod tip?

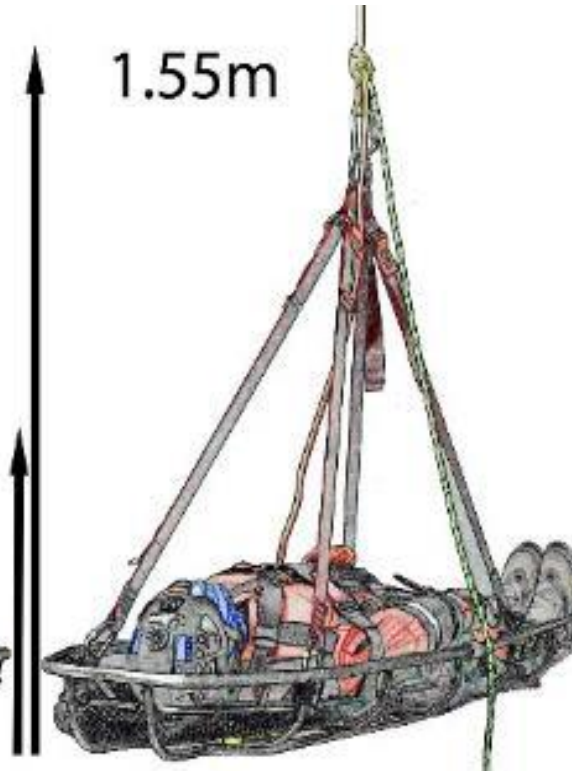
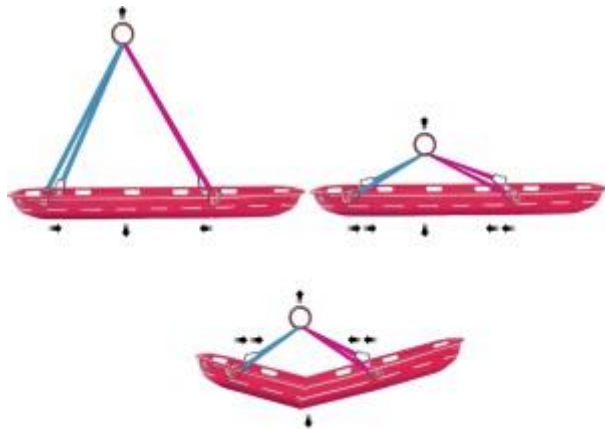
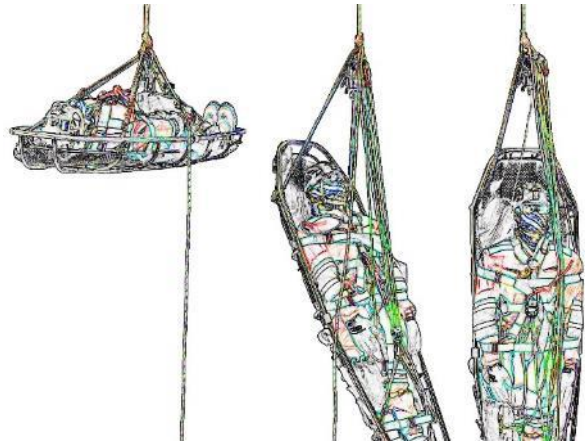


Get off before transition

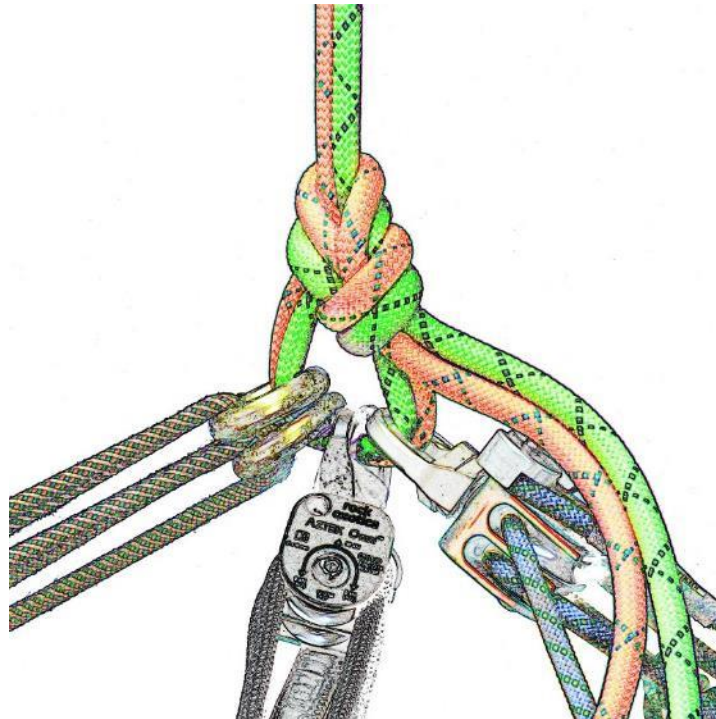
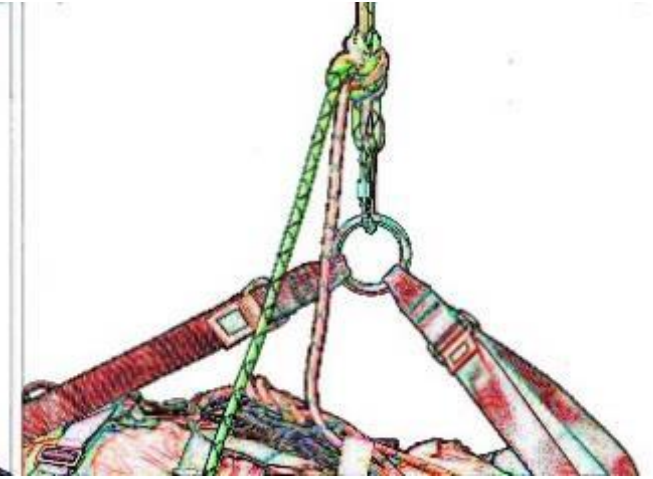
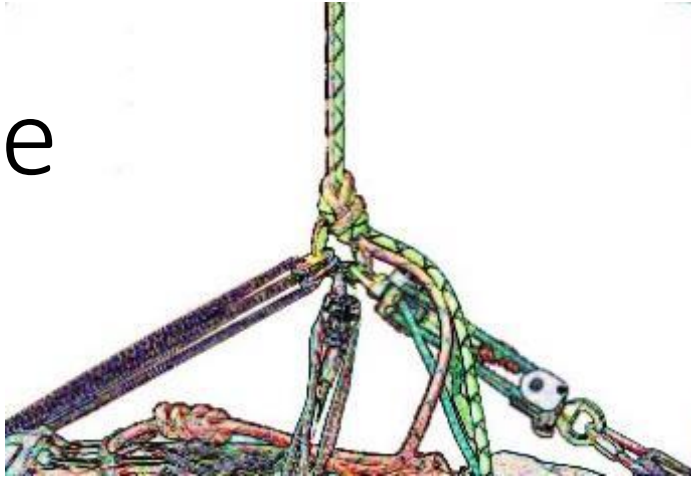
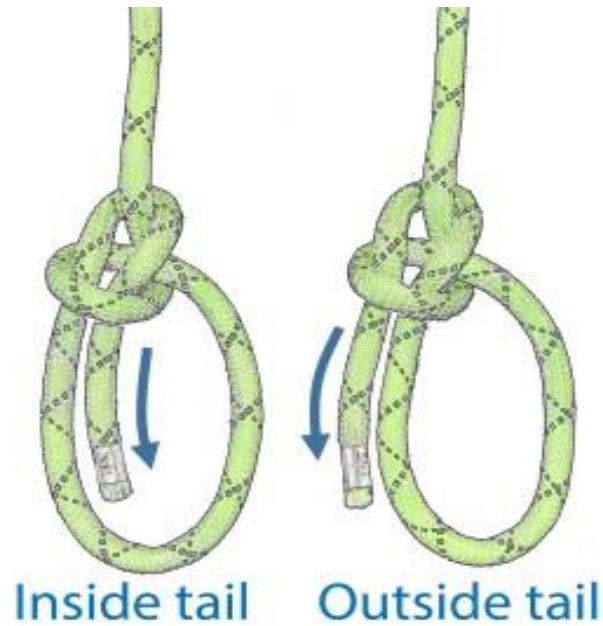
Non-live loads



Litter/Load rigging



Attaching the rope



Confined Space Tripod

Load Management Solution



Tech Rescue Tripod

Friction Management Solution

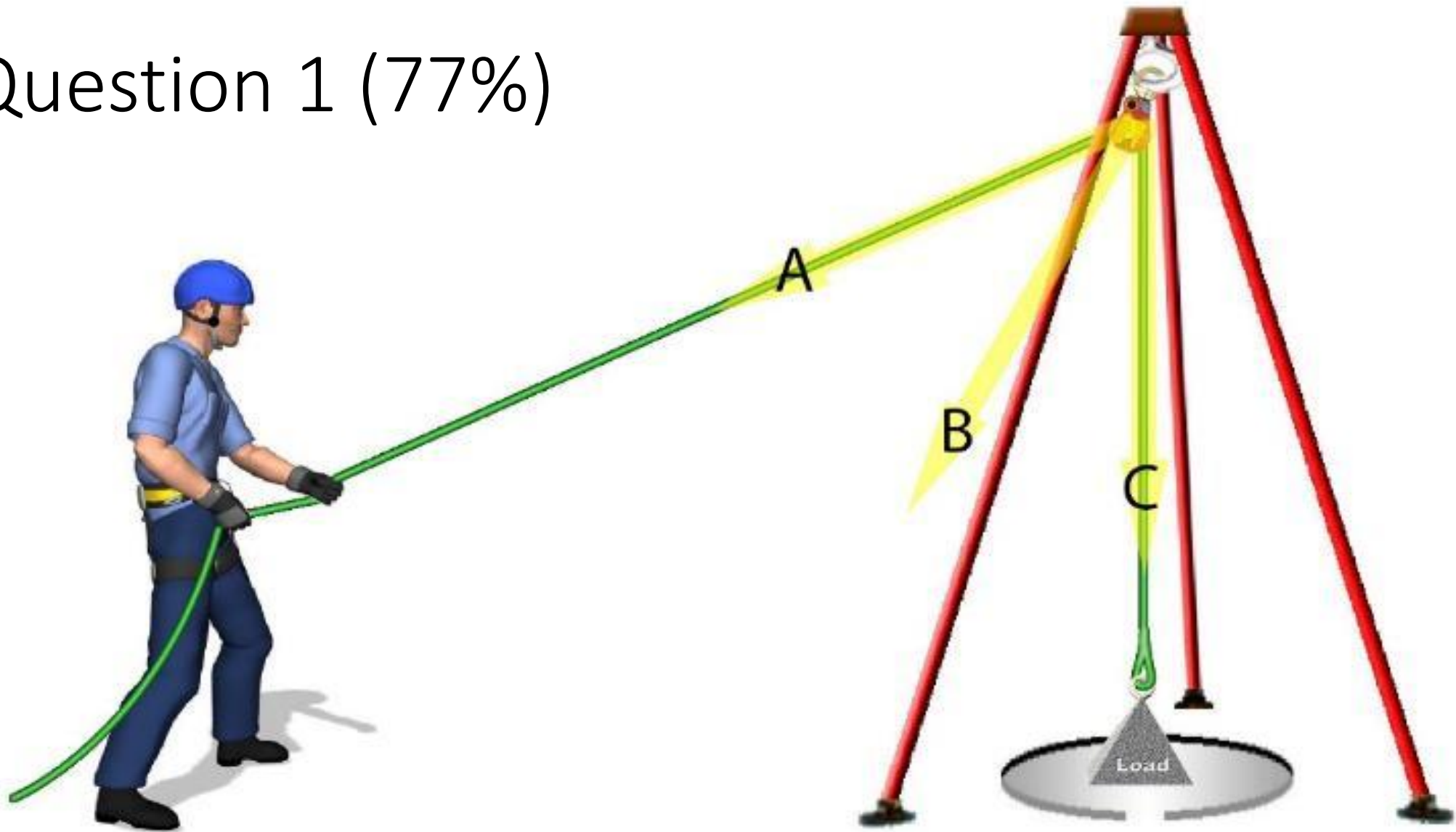


Instability

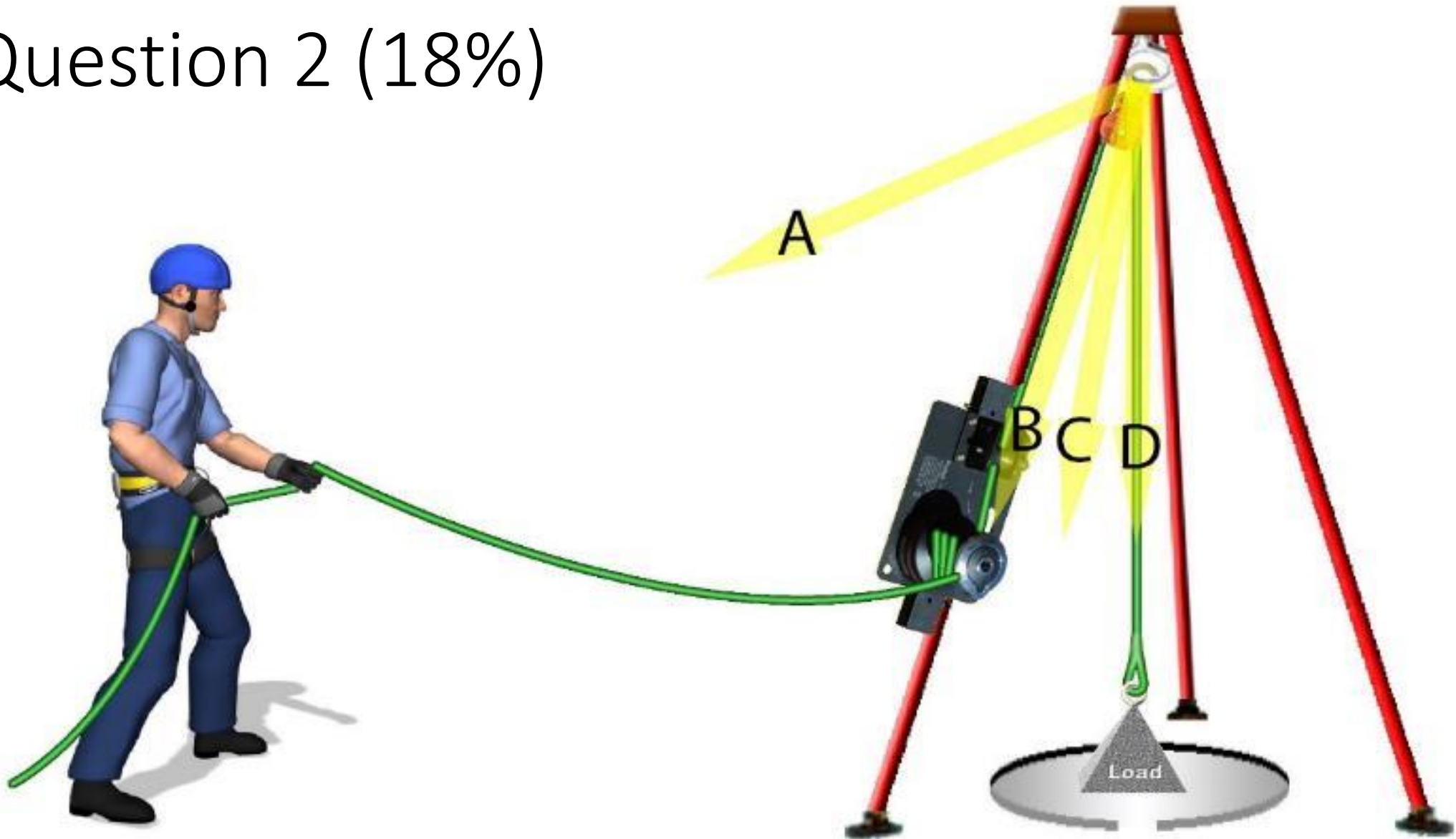
- Planned moving 'resultant'
- Rope stretch
- Lateral movement by attendant
- Changes in operational practice
- Unplanned external influence
- Use of powered winches



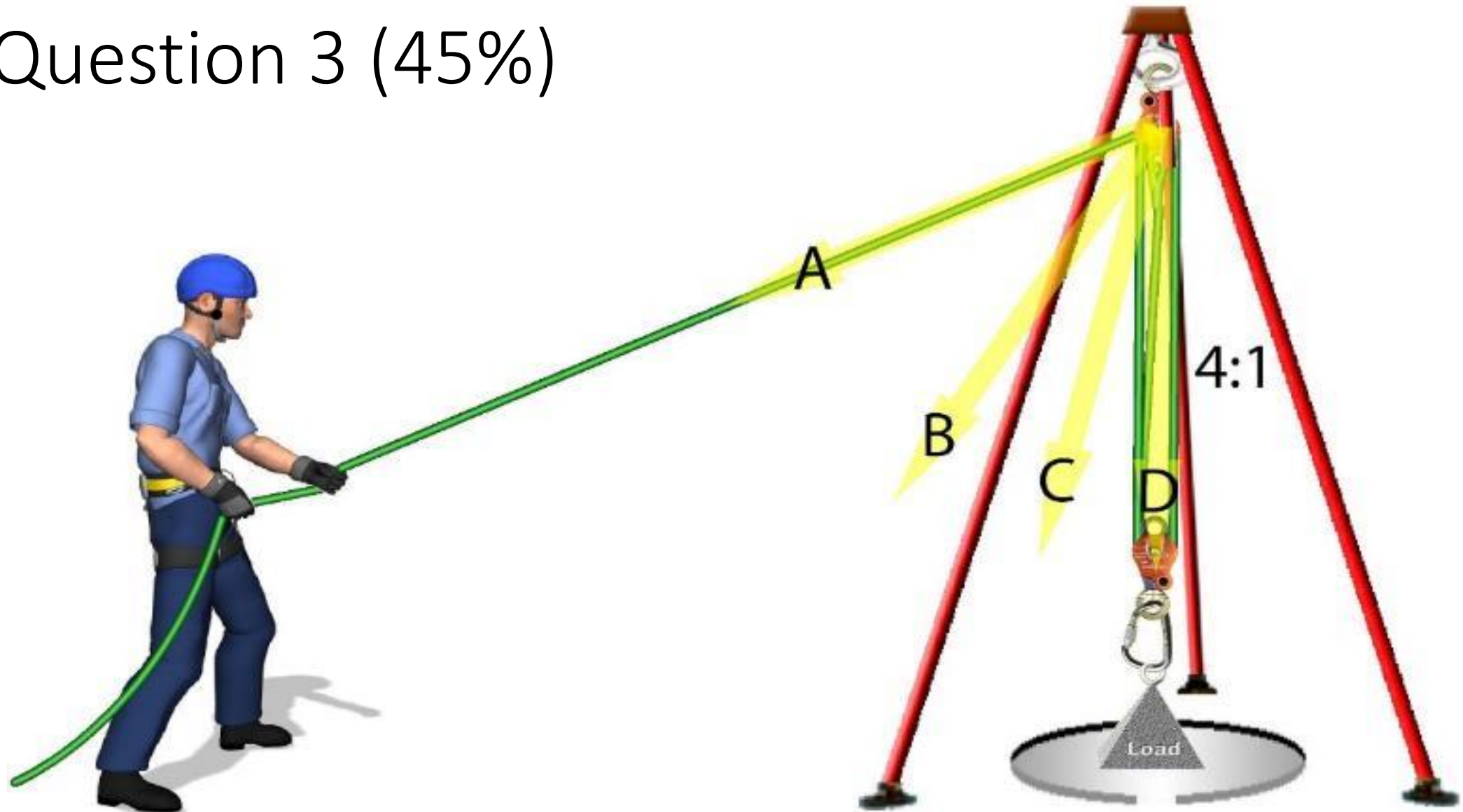
Question 1 (77%)



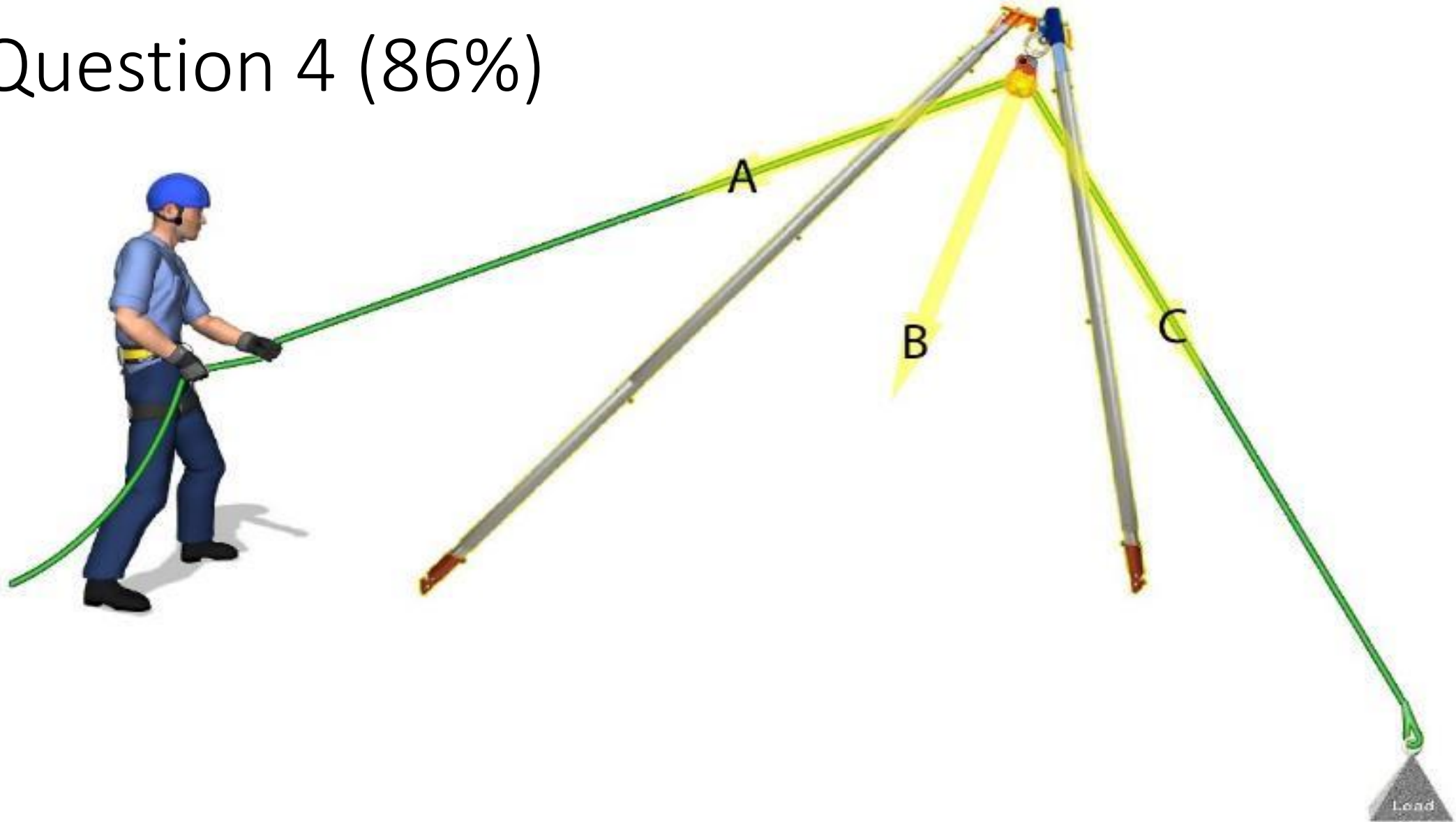
Question 2 (18%)



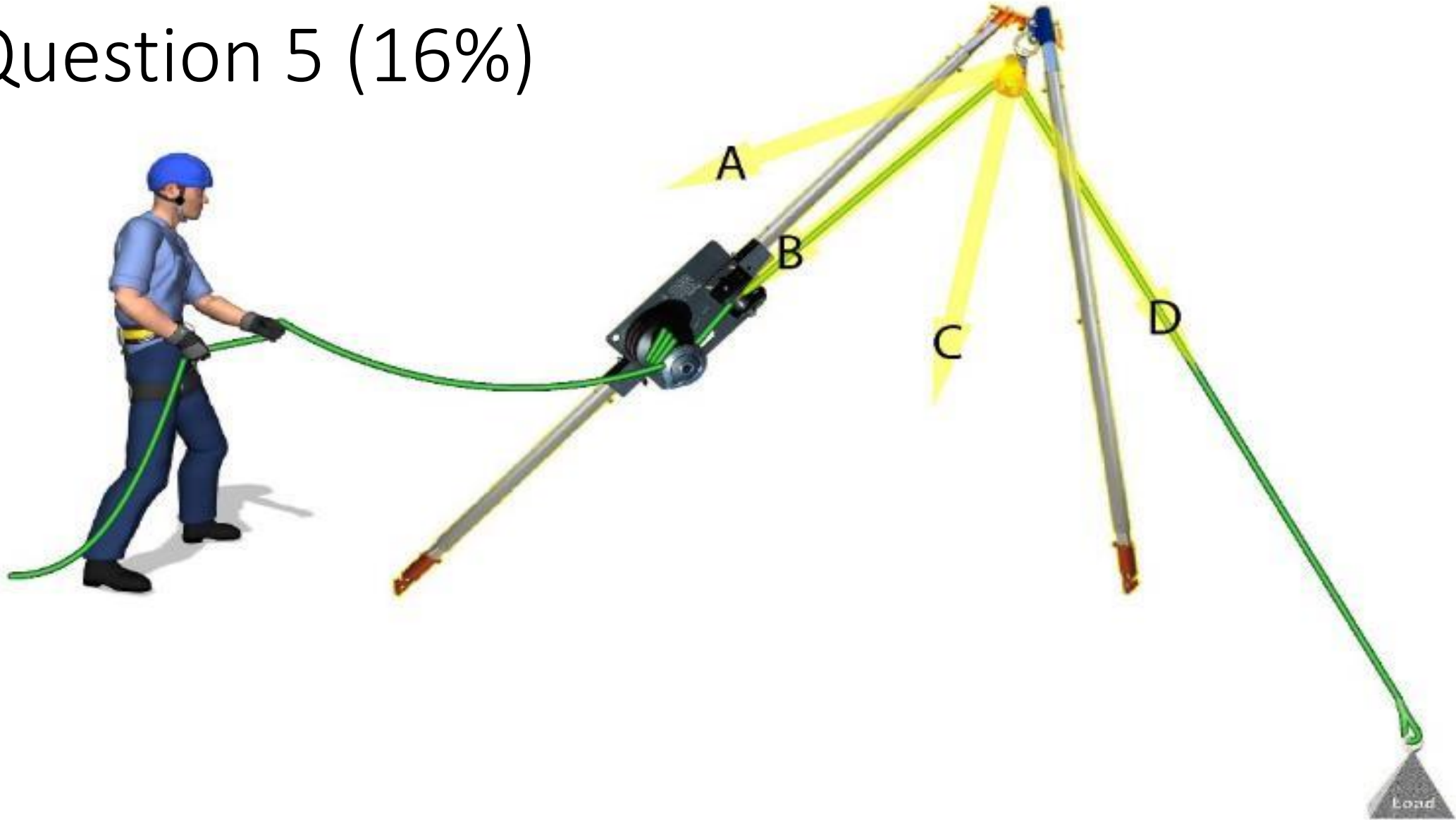
Question 3 (45%)



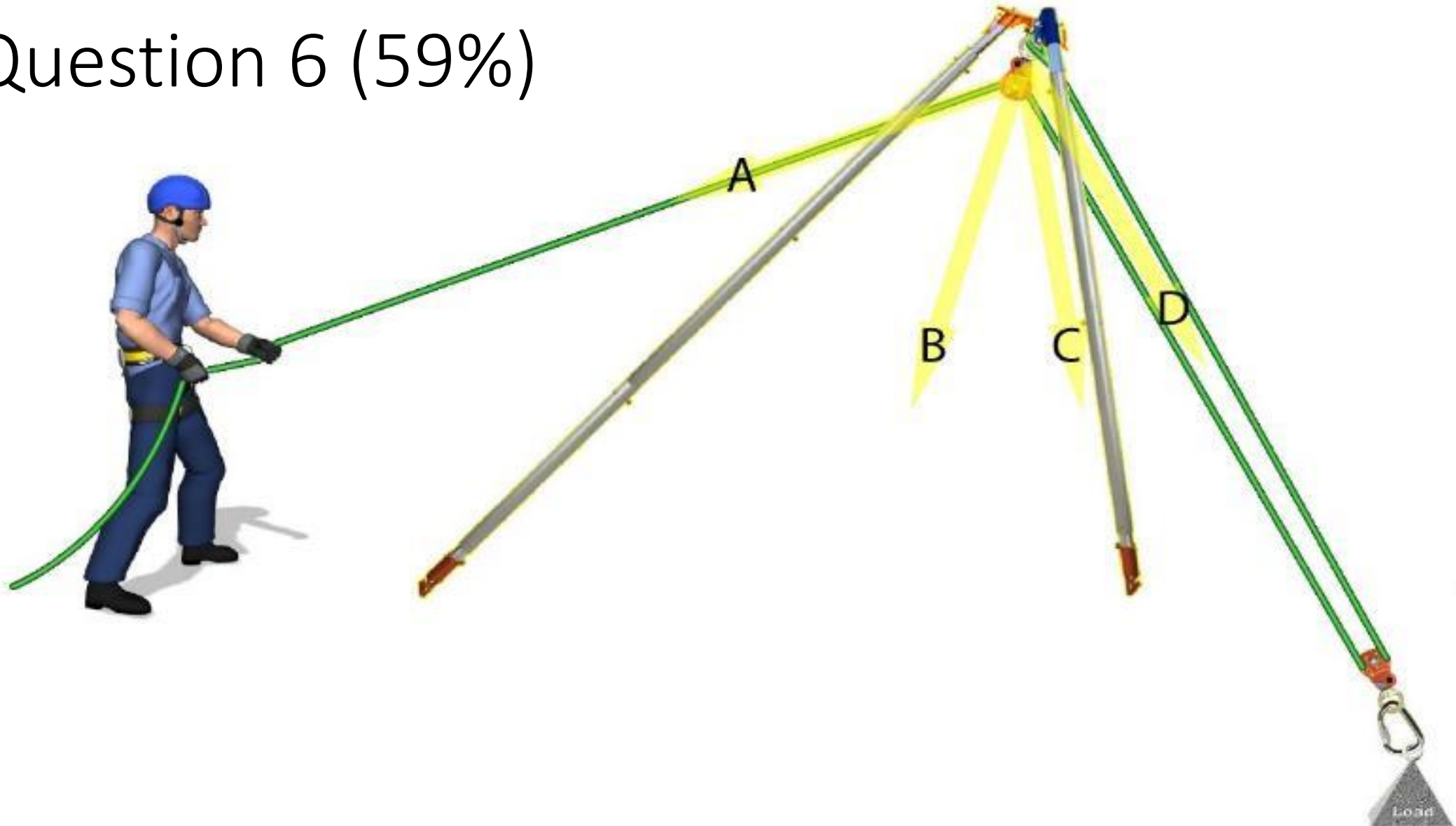
Question 4 (86%)



Question 5 (16%)



Question 6 (59%)



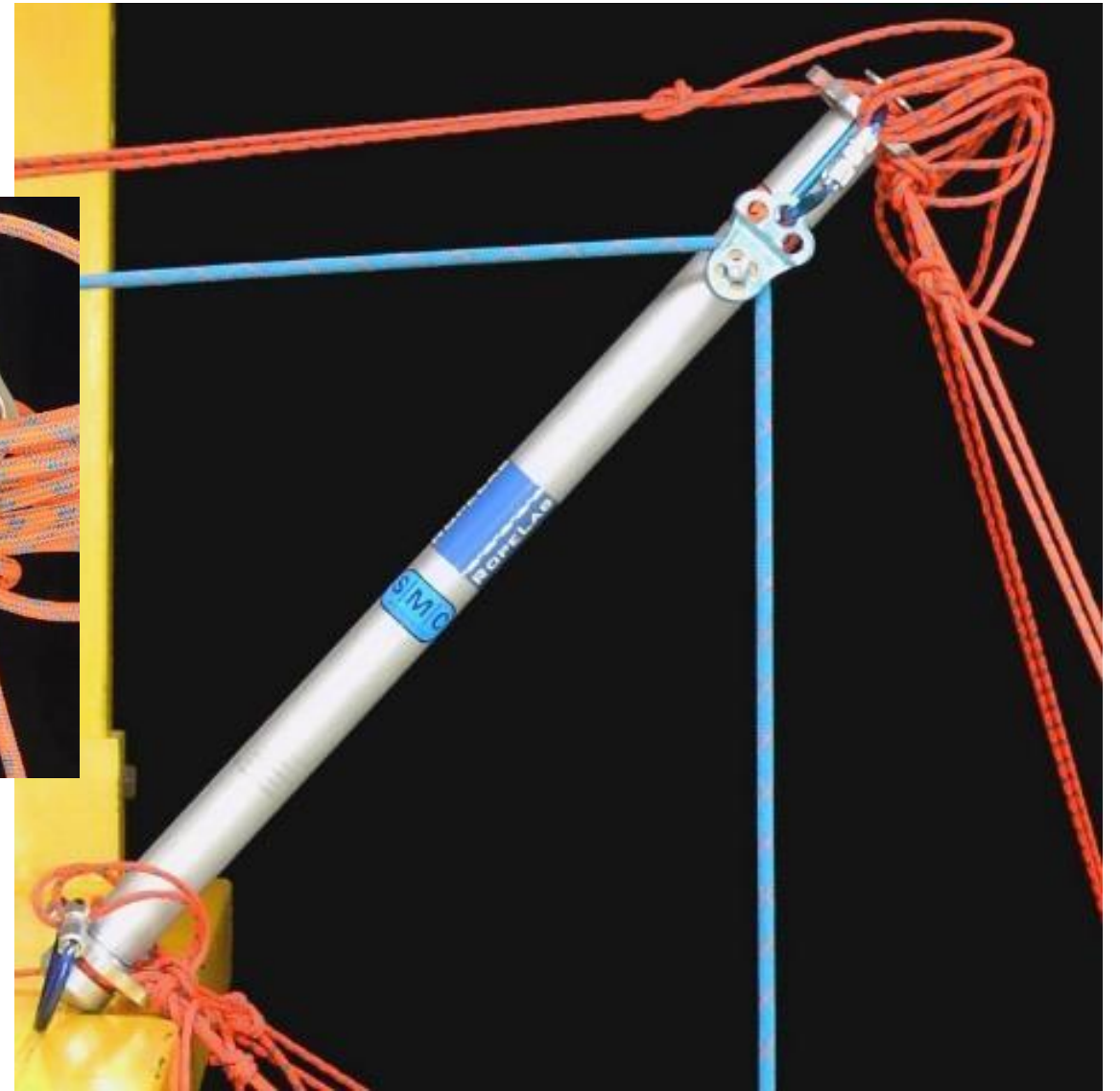
Tripod & AHD selection



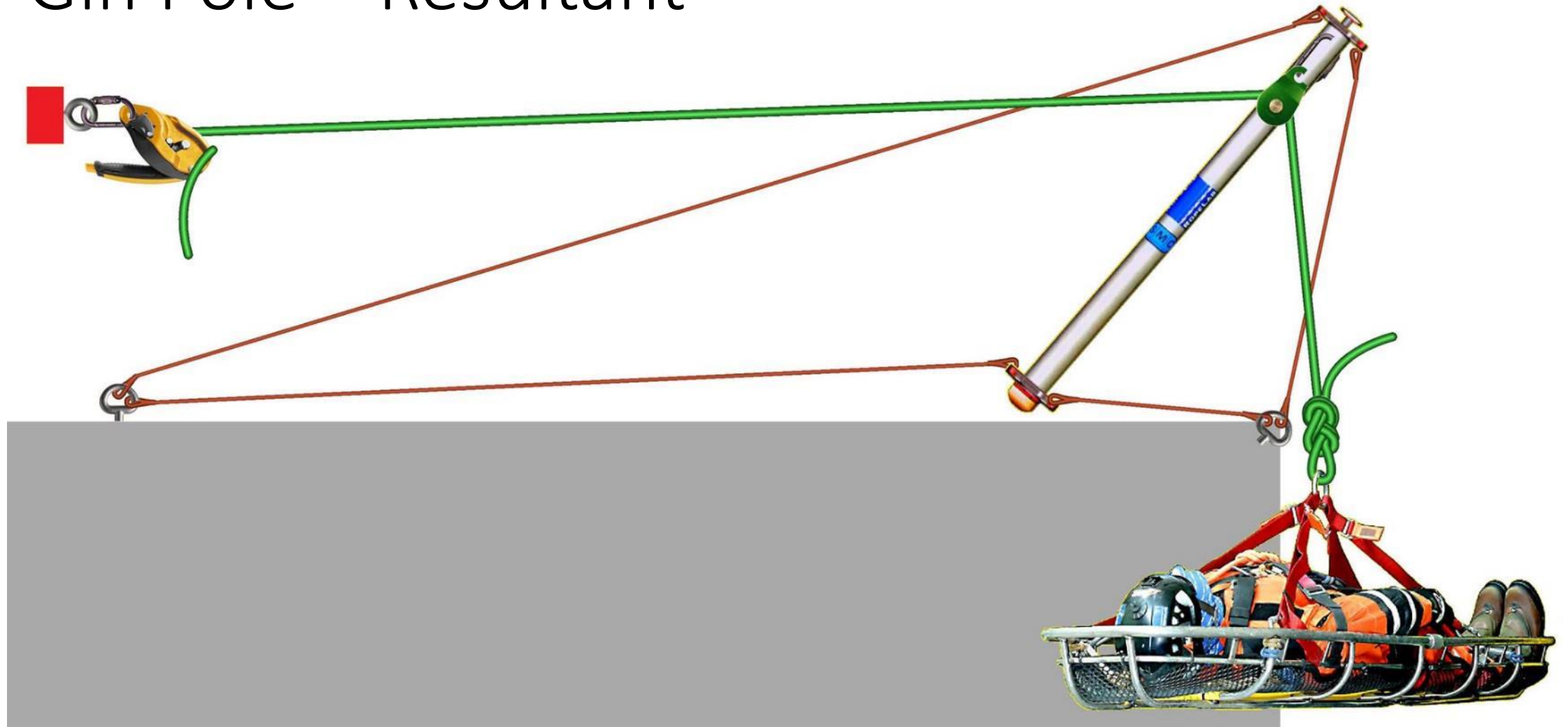
Light-weight Gin Pole



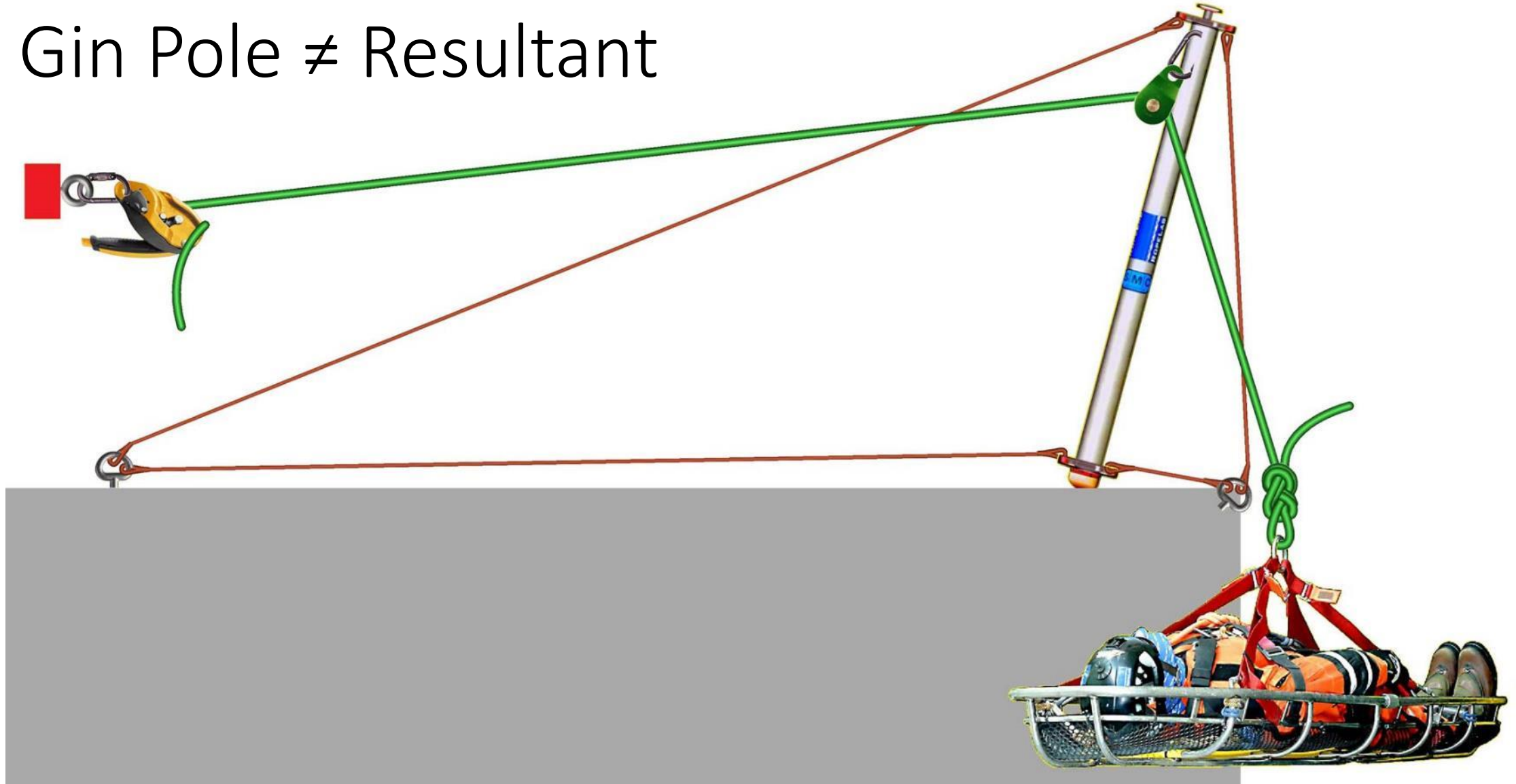
Gin Pole stability



Gin Pole = Resultant



Gin Pole \neq Resultant



Gin Pole \neq Resultant

