



# Animal Technical Rescue Team Minimum Equipment Cache Specifications

Based on FEMA Animal Search & Rescue Team

## Type III: Land-Based Operations

### Low Angle Animal Kit

- Halters and lead ropes
- (2) 30' by 6" wide pieces of webbing
  - \*May be old fire hose with ends sewn in loops or tow straps
- (1) Rescue Glide
- (1) Assist Glide
- (2) 2" Ratchet Straps
  - \*Used to attach patient to glide, comes in rescue glide kit
- (1) Head Restraint Strap
  - \*Used to attach patient to glide, comes in rescue glide kit
- Webbing Padding
  - \*Place between animal and ratchet straps; Can be edge pads, canvas, etc.
- Head Padding
  - \*e.g. Life Jacket, thick towels, commercial product, etc.
- (1) 10' length of webbing & (1) carabiner
  - \*Creates central tow connection to D rings on rescue glide
- 2-to-1 Pulley and Rope System
  - \*Pulls patients' hobbled legs in for packaging to glide; Comes in kit
- Hobble kit for all four limbs
  - \*24" round slings preferred, or buckle hobbles
- (2) 25' 1/2" lines with carabiners
  - \*Creates tow lines
- (2) Dog Sled Haul Systems
  - (20) 1' sections of 2" PVC pipe with end caps
    - \*Create tow handles
  - (10) handles per haul line
    - \*Attached by drilling 2 holes in the handles, terminating the rope as a double fisherman's bend, and attaching to the haul line with a triple wrap Prusik, creating adjustable positioning
- (2) 15' sections of 1" flat webbing
  - \*Girth hitch to rear of rescue glide for steering

### High Angle Animal Lifting Kit

- Portable High Point System
  - \*Häst Bi-Pod or local fabrication – 16-20' height
- Animal Sling System
  - \*Becker Sling, or (4) pieces of 6' long 4" wide webbing (e.g. fire hose with sewn eyes, commercial synthetic web slings, etc.; 4' lengths and 5' lengths also recommended)
- 1" flat webbing/Prusiks
  - \*Attach harness to spreader bar
- (1) spreader bar
- (1) carabiner
  - \*Attach spreader bar to end of haul rope

### Mud Rescue Kit – Water-Based

#### **\*May Also Use an Air-Based System**

- Water manifold to convert 1 1/2" fire hose to 5 garden hose attachments
- (5) Garden Hoses
- (4) Mud Lances
  - \*Steel legs with drilled holes in the distal half; Screw off tip on the distal end facilitates cleaning
- (2) Nicopoulos Needles (2 different sizes)
  - \*Use for threading webbing around the victim, also valuable in non-water/mud applications



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## A-Frame Rope Kit (2 Kits Required) 6-to-1 Pre-Rigged System

***Build a 2-to-1 attaching to the Bi-Pod Head,  
with 3-to-1 attached;  
repeat on opposite side of Bi-Pod***

- 300' minimum length of 5/8" no stretch kernmantle rope  
\*Note the rope is 5/8" and used as a 2-to-1 to the top of the A Frame to compensate for rope stretch under load – not for strength
- (1) Rope/Gear Bag
- (1) 15' Pre-made Basket Anchor Strap
- (1) Edge Pad
- (1) Gathering Plate
- (3) Prusik Minding Pulleys
- (4) Carabiners
- (1) Large Oval Link (Connect Pulley to Bi-Pod)
- (2) Short Prusiks  
\*Sized to Pulleys
- (2) Long Prusiks  
\*Sized to pulleys

## Animal Haul System Kit – 15-to-1 Pre- Rigged System

***Build 5-to-1 Block & Tackle from high  
point to load and 3-to-1 back at  
anchor***

- 300' minimum length of 1/2" no stretch kernmantle rope
- (1) Rope/Gear Bag
- (1) 15' Pre-made Basket Anchor Strap
- (1) Edge Pad
- (1) Gathering Plate
- (3) Prusik Minding Pulleys
- (1) Double Sheave Pulley
- (1) Triple Sheave Pulley
- (1) Large Oval Link  
\*Connect Triple Sheave Pulley to Top of Bi-Pod
- (5) Carabiners
- (2) Short 8mm Prusik Cords  
\*Sized to pulleys
- (2) Long 8mm Prusik Cords  
\*Sized to pulleys

## USAR Human Rope Bag Kits

- (2) Primary USAR Human Rope Bag Kits  
\*Pulleys, Prusiks, descent control devices, rope grabs, edge protection, gathering plates, carabiners, etc.
- (2) Secondary/Belay Kits  
\*Pulleys, Prusiks, descent control devices, rope grabs, edge protection, gathering plates, carabiners, etc.

## Responder Safety Equipment

- Helmets  
\*Ansi Z89.1 compliant with chinstrap
- Rope gloves
- (3) Class III rescue harnesses  
\*Assumes 2 rescuers and 1 at the edge
- Rope system to tie off edge person  
\*Anchor strap or webbing, padding, gathering plate, pulley, (2) carabiners, short and long Prusik, and 100' rope



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## Additional Tools

- Extended Reach Animal Control Device
  - Adjustable length painter's pole
  - Superclip carabiner attachment
  - Auto-locking carabiner
  - 25' length of rope to attach to carabiner for lead line
- Boat pole or shepherd's hook
  - \*For extended reach
- Strop guide
  - \*8' length of flat steel with handle or plastic glide slip; used for guiding webbing under animal
- Chains or additional webbing
  - \*For use in trailer accidents
- Old fire hose
  - \*Cut along length for edge protection for rope/webbing
- Alpine brake tube
  - \* For descent control/lowers of heavy loads
- Additional pre-rigged 3-to-1 or 4-to-1 piggy-back systems
  - \*For emergency system by-passes
- Extra 1" flat webbing, carabiners, pulleys, etc.



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## **Type II: Water-Based Operations**

Everything from Type III plus:

### **Flat Water Rescue**

- (1) Häst Water Rescue Surcingle
- 300' of 3/8" water rescue/float line

### **Responder Safety**

- Dry Suits
- Life Jackets
- Boots
- Gloves
- Water Rescue Helmets
- Throw bags

## **Type I: Advanced Rescue Operations (e.g. Swiftwater, Helicopters, etc.)**

Entire cache from Type II plus:

### **Helicopter Rescue Kit (comes as one kit)**

- Anderson Sling System
  - 3 different size horse attachments and frame adjustments
  - Full head immobilizer
  - Drogue chute to minimize spin
  - Steel cable for helicopter attachment
  - Webbing static electricity insulator