

BSA National “Guidelines” For Climbing / Rappelling Event ~ Equipment

What	Required Specs	Source & Comment
Rope	<ol style="list-style-type: none"> 1. Must be New (when procured*) or provided by Instructor 2. Must be kernmantle* & UIAA / CEN / NFPA Approved 3. No more: 5 yrs after placed in service or 10 yrs after purchased 4. Log: Purchase, Place In Service, All Environ/Severe Stresses 5. Must be marked & cut up to retire - Retire 5/10 yrs (T/O p.40) 6. Dynamic (climb) 10.5 mm 7. Static (rappel) 22.2kN(5,000 lbs). 7/16"/11mm recommended 8. Accessory Cord 7 mm “may be helpful/can be used” for Prusik back up self belay or as cordelette to equalize load of anchor points (T/O p.33 / Note Old T/O spec’d 9.2 kN (2,060 lbs.) 	<p>1~2 - “Climb on Safely” ¶ 5. Equipment” (*Topping Out, pp.39-40)</p> <p>1. - “Acquired new from reputable suppliers” and NOT “army Surplus or FD/EMS used Equipment” (2012 Topping Out, p.23)</p> <p>1~8 - “2012 Topping Out” Rope (pp.33,39-40)</p> <p>6 - Note Old “2001 Climbing/Rappelling National Standards” M27 9.2 kiloNewtons (2,060 lbs.)</p> <p>Old T/O Climb Rope Requirements = No more than 3 hard falls (6’)</p> <p>(see new T/O p. 43) & Log All Uses & Inspections</p> <p>RETIRE ROPE/WEBBING: “5 yrs. after placed in service; 10 yrs. after purchase; upon condition; mfg’s recommendation - whichever comes first”</p> <p>- 2012 Topping Out, p. 40</p>
Webbing (TUBULAR!!!) (anchors, sa fety lines, Swiss seat)	<ol style="list-style-type: none"> 1. Must be New (when procured*) or provided by Instructor 2. UIAA / CEN / NFPA Approved 3. No more: 5 yrs after placed in service or 10 yrs after purchased 4. Must be marked with the date of purchase: Retire: 5/10 yrs 5. Record/Log kept of all Use & Stresses 6. Minimum breaking strength of 17.5 kN (4,000 lbs.). 7. 1" can be used for tied seat, T/O, p.35 & Nat’l Stand (M16) 	<p>1~6,- 2012 Topping Out, p.40</p> <p>6 - 2012 Climbing/Rappelling National Standards” M17</p> <p>7 - 2012 Topping Out, p35 & 2012 C/R National Standards” M16</p> <p>Note: Old T/O permitted no more than 3 hard falls (6’) and Required that webbing be tubular & seamless</p>
Carabiners	<ol style="list-style-type: none"> 1. Must be New or provided by Instructor 2. UIAA / CEN / NFPA Approved 3. Reversed & Gates “X” if non-locking 4. Steel or Aluminum (do not mix) 5. Should never have been dropped from a significant height onto a hard surface 	<p>1~2. - “Climb on Safely” ¶ 5. Equipment” & 2012 T/O at p. 23</p> <p>3 - “2012 Topping Out” Carabiners, p.30</p> <p>4. - 2012 Nat’l Standards (M22)</p>
Helmets & Harnesses (Know How To Buckle!)	<ol style="list-style-type: none"> 1. Must be New or provided by Instructor 2. UIAA / CEN / NFPA Approved 3. Log kept of all Purchase, Placed in Service, Use & Stresses 4. Marked w date of purchase & retired: 5. Helmets “according to mfg’s recommendations, or sooner if one shows signs of wear or if it has sustained significant impact”(‘12 T/O, pp. 27-28 & Nat’l Standards, M15) 6. Harnesses “according to Mfgr’s recommendations or 7 yrs. from purchase, or condition warrants, whichever first” (“12 Nat’l Standards, M16) 	<p>1~3. - “Climb on Safely” ¶ 5. Equipment” & 2012 T/O at p. 24-25</p> <p>1~3. - “Topping Out” Equipment (Helmets -p.28 & M15 / Harnesses - p.33 & M16)</p> <p>4. - Mark with Purchase Date (2012 Topping Out, p.27)</p> <p>5. - Helmets - No Year Retirement Requirement (‘12 T/O, pp. 27-28 & Nat’l Standards, M15)</p> <p>6. - Harnesses - 7 Years, or sooner up on condition (2012 Nat’l Standards” M16)</p>
Safety	<ol style="list-style-type: none"> 1. SITE - “Activities must be conducted using an established or developed...site or facility” Instructor “should survey” to verify safe, appropriate & evacuation route identified 2. RESCUE - Instructor must have segregated & marked rescue equipment (rope, rescue 8, sling & over-sized locking carabiner) 3. FIRST AID - “must have on-site at least one person who holds...must have means (cell/radio) or plan to call EMS...must have ARC 6 ½ hr 1st Aid & CPR Cert & a complete 1st aid kit” 4. WRITTEN PLAN - Parental consent form, Tour Permit, Rescue Plan, Topo Maps of area 5. EQUIP INSPECTION - Not Specified but Old = 1 per year 	<p>1.- “Climb on Safely” ¶ 4. “Safe Area” - “2012 Topping Out” Site Selection (p.99)</p> <p>2. - Note : Old Topping Out - Emergency Response Plan (p.117) “2001 Climbing/Rappelling National Standards” M52 (p.9) See now C/S Nat’l Stand - M41 - “rescue equip accessible at site”</p> <p>3. - “2012 Topping Out” 1st Aid Certification (p.112) “2012 Climbing/Rappelling National Standards” M39 (p10)</p> <p>4/5. - “COS” ¶ 6. “Planning” / “2012 C/R Nat’l Stand” M23 (p.8) “Topping Out” Resources (p.131) & Inspections (p.24)</p>