1. Definition - Define the terms and phrases commonly used with ground ladder operation and testing.
   a. NFPA 1931
      (1) Butt
      (2) Combination ladders
      (3) Fly Section
      (4) Pawls
      (5) Staypoles
      (6) Single Ladder
      (7) Duty rating
   b. NFPA 1932
      (1) Folding Ladder
      (2) Multipurpose ladder
      (3) Rungs
      (4) Service Test
      (5) Working length
      (6) Angle of Inclination
      (7) Dogs

2. Design - Understand the design requirements for ground ladders as stated in NFPA 1931
   a. Hardware
      (1) Tip
      (2) Butt
      (3) Pawls
      (4) Halyard
      (5) Pulleys
      (6) Hooks
      (7) Stay poles
      (8) Strength
   b. Requirements
      (1) Beams
      (2) Rungs
      (3) Duty rating
         (a) Angle of Inclination
         (b) Rung Weight Rating
      (4) Beam guides
      (5) Standards
      (6) Labels & Ladder Markings
      (7) Label Tests
      (8) Storage
      (9) Heat sensors
   c. Types
      (1) Wood
      (2) ALV
      (3) Fiberglass
      (4) Folding
      (5) Extension
      (6) Roof
      (7) Combination
      (8) Pompier
   d. Design Verification testing
      (1) Ladder Section Twist Test

3. Inspection/Maintenance - Understand the inspection and maintenance of ground ladders as stated in NFPA 1932
   a. Procedures
   b. Documentation
   c. Requirement
   d. Decals
   e. Use
      (1) angle of inclination
      (2) staypole
   f. Storage
   g. Maintenance
      (1) pawl hooks
      (2) finger
   h. Physical damage
   i. Heat label
   j. Repairs
   k. Paint
   l. Out of service criteria
   m. Inspection
   n. Pawl Housing
   o. Halyard wire rope safety factor

4. Service Testing - Understand the procedure, documentation and frequency of testing of ground ladders as stated in NFPA 1932
   a. Testing
      (1) Horizontal Bend test
      (2) Extension Ladder Hardware test
      (3) Frequency
      (4) Roof Hook
      (5) combo & extension ladders
      (6) Equipment
      (7) Documentation
      (8) Qualification