

- Accuracy (A1-6, B1-6, C1-6)
  - Clean and inspect each rifle prior to testing.
  - Shoot at a minimum five shot to sight in and foul the rifle. Fire additional shots if required to sight in the rifle. Record the exact number of rounds fired.
  - Fire 3 five shot groups for each rifle at 100 yards.
  - Keep track of and mark the placement of each shot in each group. Number the shots in each group 1 – 5 in the order in which they were fired.
  - Measure and record the three shot group size in each group using shots 1 – 3.
  - Measure and record the five shot group size in each group using all five shots fired.
  - All groups are to be measured center to center.
  - Clean and inspect each rifle after completion of testing.
- Endurance (A1-6, B1-6, C1-6)
  - In each series, the guns are to be fired to the following round levels.
    - Guns 1 & 2 to 2000 RL.
    - Guns 3 & 4 to 1000 RL.
    - Guns 5 & 6 to 500 RL.
  - All guns are to be cooled to the touch every 20 rounds via shop air.
  - All guns are to be cleaned and inspected every 500 rounds.
- Metallurgical Evaluation
  - A sample of the endurance guns will be disassembled and have there barrels sectioned and mounted to check for possible barrel cracking and locking lug hardness.
- Environmental Testing (A8, B8)
  - Perform standard Hot test..
  - Perform standard Cold test.
  - Perform standard Thermal Cycle test.
- Dry Cycle (B7)
  - Dry cycle gun 10,000 cycles.
  - Lubricate gun every 500 cycles.
  - Photograph any where every 1000 cycles.
- High Pressure Abuse (A9)
  - Perform standard high pressure abuse test.
    - See S. Franz / J. Urbon for details.