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BOLT ACTION CENTERFIRE COMPETITIVE EVALUATION

P R O P O S E D O U T L I N E

- A. PHOTOGRAPHY (Slides)
 - 1. Photos of packing as received - one of each make
 - 2. Photos of guns out of packages - one of each make
 - 3. Photos of literature packed with guns - one of each make
 - 4. Photos of any breakages incurred during testing
- B. VISUAL INSPECTION
 - 1. Overall appearance of rifles; i.e. finishes, grain structure, imperfections, etc.
- C. MEASUREMENTS
 - 1. Weight and length
 - 2. Stock dimensions
 - 3. Center of gravity
 - 4. Safe on - off forces
 - 5. Bolt open force - cocked - dry fired
 - 6. Firing pin indent
 - 7. Trigger pull
 - 8. Safety check
 - 9. Headspace - Proof - Headspace
 - 10. Magnaflux
 - 11. Bore and groove
 - 12. Twist
 - 13. Chamber Cast (one of each caliber)
- D. ELECTRONIC MEASUREMENTS
 - 1. Lock time (one of each make)

Remington Arms Company, Inc.
Firearms Research Division

E. ACCURACY

1. All accuracy will be conducted in the Gallery 100 yard range by Jerry Selan.

- a. Rifles to be tested:
 - Two 30-06 Caliber
 - One 243 Caliber
 - One 7mm Mag. Caliber

A total of 15 rifles will be fired for accuracy -- Four rifles from each manufacturer.

2. Accuracy Procedure

- a. Wire brush all barrels with Hoppes' solvent and patch thoroughly before the start of the first group.
- b. Cool between every group.
- c. One warmer before each group.

F. FIELD CYCLE TEST

A one page Field Cycle Test will be conducted on all twenty-five (25) rifles, including live unload test.

A slow, medium and fast feed rate will be utilized.

G. ENDURANCE

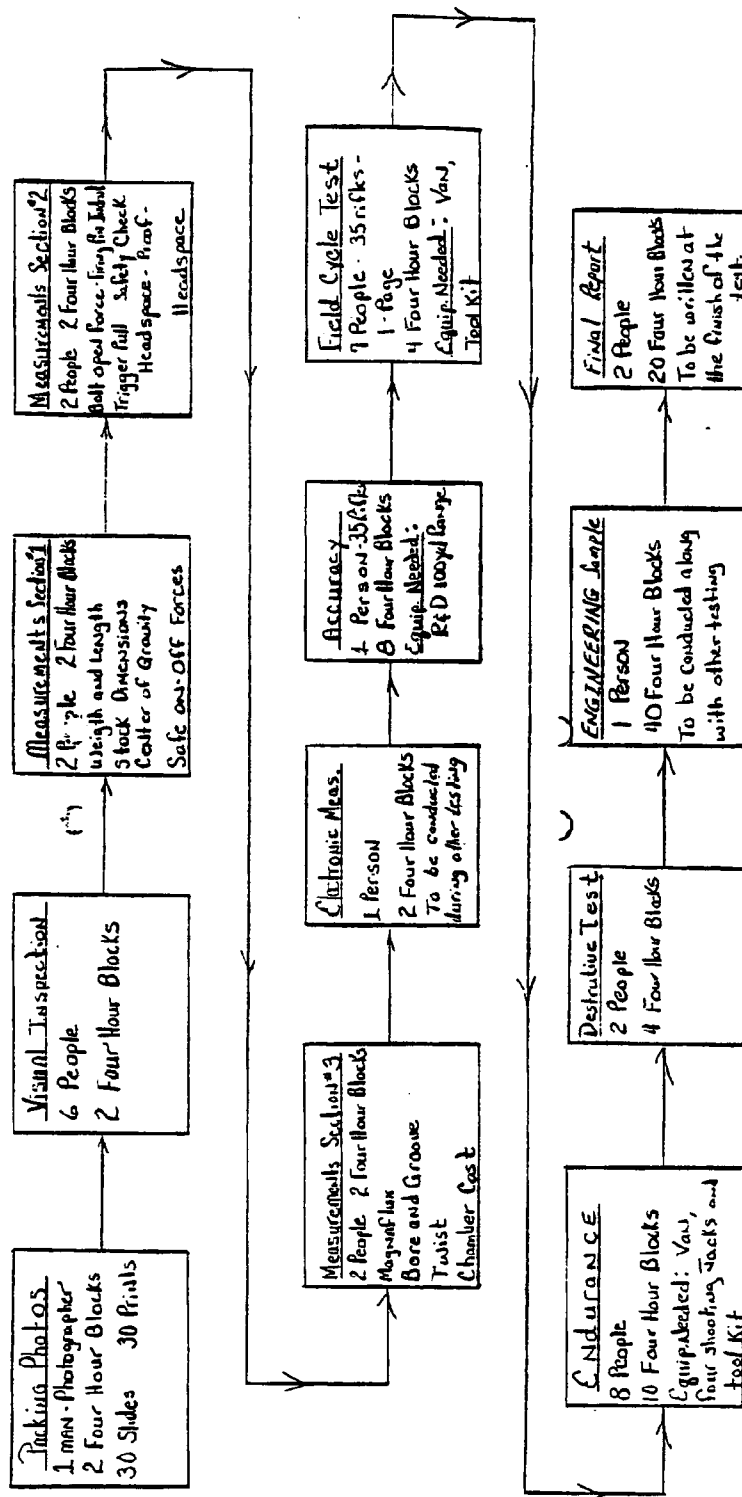
1. Endurance one caliber of each model for a total of 15 rifles.
 - a. Remington ammo only - one bullet weight
 - b. After 500 rds. endurance - clean and reshoot accuracy.
 - c. Continue to 1000 rounds total per caliber after accuracy.

H. DESTRUCTIVE TEST

1. High pressure handload (30-06 Cal.)

I. ENGINEERING REPORT - 5 Rifles

1. One rifle of each manufacture (30-06 Cal.)
2. Primary concentrations:
 - Bedding
 - Fire Control (sear engagement)
 - Material check
 - Safety investigation



Bolt Action Center Fire Competitive Evaluation