

International Benchrest Shooters



Official Rules of Competition

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All language in Sections I, II, III and IV shall apply to each shooting discipline **UNLESS** superseded by the respective discipline's set of rules (as outlined in Sections V, VI and VII).

I. Objectives of International Benchrest Shooters

- A) The development and encouragement of uniform competition to achieve extreme accuracy in firearms, ammunition, equipment, and shooting methods
- B) To standardize on an international basis the entire Benchrest shooting program so that the targets, ranges, scoring methods, records and match procedure will be uniform and comparable
- C) To assist and encourage any individual or organization in the promotion of Benchrest Shooting
- D) To gather and make available to its members pertinent statistics and technical data

Safe firearms not qualifying under the definition of various classes set out herein, may be fired in any tournament provided the shooters and competitors be informed that he/she is not eligible for any records, awards, prizes, or place in the aggregate, and provided that the range facilities are conveniently available. Should any person develop any rifle, and/or equipment that do not meet existing rules and classifications, the rifle or equipment may be submitted to the directors for evaluation and approval or disapproval.

II. Definitions

- A) **Bench:**
A bench shall be a rigidly constructed table of a height to permit a shooter of more or less average height to sit comfortably thereat by merely increasing or decreasing the height of the stool on which he/she sits. It shall be constructed to permit firing by either a right or left-handed shooter.
- B) **Club:**
An Affiliated Club, as defined in the By-Laws of the Association, or an individual of the Association who owns, leases, or controls a range meeting the specifications of a range suitable for holding a Registered Benchrest Tournament may be a club.
- C) **Range for Registered Tournaments:**
A place to shoot having not less than 5 benches on the firing line: it shall have sturdy target frames at measured distances from the firing line not less than 100 yards, preferably 100 and 200 yards, and desirably at 100, 200, and 300 yards. The facility shall be served with moving backer strips or cards, the bullet stop shall be adequate to stop bullets of any caliber and shall be sufficiently high to intercept ricochets. Moving backers are not required for score shooting. Stationary backers are required for all score shoot tournaments with a grand aggregate format. Ranges laid out in 100 or 100 and 200-meter distances are accepted.
- D) **Firing Line:**
The firing line shall preferably be coincident with the forward edge of the bench, but if it is to the rear of that line, then it shall be marked conspicuously on the bench.
- E) **Tournament:**
A tournament is an orderly program of competitive shooting. The words "shoot" and "meet" are synonymous.
- F) **Match:**
A match is a single event in a Tournament.
- G) **Registered Tournaments:**
A tournament authorized by the appropriate office of the IBS and conducted under these Rules and Regulations in accordance with the official tournament procedures approved by the IBS as set forth in PART III of the Rules.
- H) **Rests:**
 - 1) A front rest shall support the front part of a rifle: a rear rest shall support the rear part of a rifle; neither rest may be attached to the bench, the rifle, or to the other (exception - Heavy Bench rests may be one piece for front and rear).
 - 2) Unrestricted rests may incorporate guiding means, and adjustments for elevation and windage in either or both components. Unrestricted rests may be of one-piece construction for front and rear.

- 3) The rear sandbag shall be a bag, or combination of bags containing sand only. Zirconium silicate, known as “heavy sand”, is allowed. No other metallic sand will be used by any competitor. A vertical spacer under the rear bag will be allowed as long as it incorporates no adjustments for windage or elevation. The vertical spacer shall not contain any protrusions, which can be inserted into the bench top or the sandbag. The rear sandbag shall not be contained in any manner. The rear sandbag cannot in any way attach to the front rest.
- 4) The front bag must be such that the rifle can be easily removed in the vertical direction without any front sand bag adjustment. The bag must also be designed to maintain a 100% contact with the bottom of the fore-end when in its shooting position. The cover and filling of the front bag shall meet the requirements described in paragraph (3) concerning the rear bags. The front bag shall also be a minimum of one half inch thick in the vertical direction within the width of the fore-end.

I) Guiding Means:

Any device, addition, contour or dimension on any rifle of any class, designed or adapted to co-act with mating or reciprocal features of a rest to guide its return to firing position so that it shall not be necessary to re-aim the rifle optically for each shot shall be conclusively deemed to constitute guiding means.

III. Tournament Procedures

A) Tournaments

1) Types of Tournaments

- a) Tournaments shall be of two general classes: (a) Registered, and (b) Unregistered. Only Registered Tournaments shall be considered for record purposes.
- b) All tournaments shall consist of any sight matches with no coaching permitted. **Exception:** see Score Shooting¹ and 1000 Yard².

2) Registered Tournaments

Only clubs affiliated with IBS, which are in good standing, and which have the facilities and equipment required to conduct a shoot under the procedures required by the Association may hold registered Tournaments. Registered tournaments shall be held only on dates approved by the Chairperson of the Board of Directors (hereafter referred to "First Vice President").

3) Approval of Tournament Dates

- a) Any club desiring to hold a Registered Benchrest Tournament shall apply for assignment of a date for such a Tournament.
 - b) The application shall be in the form of a contract entitled "Registered Tournament" signed by the applicant. The application shall be sent to the First Vice President and delivered to this officer not less than 30 days before the tournament's proposed date. The application shall state:
 - (i) The name and address of the host club making the application
 - (ii) The location of the range on which the tournament is proposed to be held
 - (iii) A program of events to be scheduled. IBS match contracts shall include a provision allowing the host club to insert the types of multiple gun aggregates contested. International Championships are excluded from this provision
 - c) The First Vice President shall examine the application, consult other tournament schedules, and if the range facilities are approved and no interference with other tournaments exists, shall assign the requested date to the applying club.
- 4) IBS Championship Tournaments shall be conducted, if possible, in areas of easiest accessibility to the greatest number of IBS competitors. Suitable accommodations and range facilities will also be a factor in selecting the site of the Championship Tournaments. Interpretation of the word "suitable" shall be left to the discretion of the First Vice President.
- 5) Competitors. Subject to eligibility rules of the Club conducting the shoot and complying with Registration requirements, any shooter may compete in a Registered Tournament.
- 6) Types of Tournaments. Registered Tournaments may be held for any one or more of the recognized classes of Rifles:
- a) Heavy Bench Rifles
 - b) Heavy Varmint Rifles
 - c) Light Varmint Rifles
 - d) Sporter Rifles
 - e) Hunter Rifles
 - f) Varmint Hunter Rifles

¹ From VI.E.6 as it relates to score shooting: "Coaching of new and young shooters is permitted but limited to the discretion of the Referees."

² From VII.A.3 as it relates to long range shooting: "Coaching will be allowed during the sighter time only. Exception: for safety and constructive purposes, new shooters may be assisted during their record string with permission from the range officer and for no more than two matches."

- g) Varmint for Score Rifles (HV or LV)
- h) (Deleted)
- i) Heavy Gun
- j) Light Gun

B) Registration

- 1) All competitors at every Registered Tournament shall be required to complete a registration form supplied by IBS and to produce, for inspection, a current IBS, or IBS International membership card.
- 2) The Host Club shall forward to the headquarters of IBS within four weeks of the Tournament, all registration cards together with a registration fee of \$2.00 per day.
- 3) Membership in IBS, or IBS International is required to compete in all Registered IBS Tournaments.

C) Registration Fee

- 1) Each competitor shall be charged (or have paid on his/her behalf) a registration fee for each day for each class in which he/she competes. (It has been customary for Host Clubs to pay the IBS President fees). At its option, the Host Club may charge a registration fee not greater than may be approved by the Directors or may conduct the match and pay the prescribed IBS registration fee at the expense of its own treasury.
- 2) A registration fee of \$40.00 for each day's course of fire in Group Championship Tournaments is the maximum fee heretofore approved. If both stages are fired in one day an additional \$40.00 may be charged.
- 3) Any non-member may pay the prescribed annual dues at any Registered Tournament and become a member of IBS.
- 4) If any individual shall fail to have a membership card and is unable to furnish reasonable proof of membership by other methods, he/she shall pay, or have paid on his/her behalf, the IBS Membership fee, and upon proof from records that he/she was, on the date of the Tournament, a member in good standing, a refund shall be made to him/her or the Host Club as the facts may require.
- 5) IBS Junior members (17 & under) registration fees shall be set at 1/2 the fees for adults.
- 6) Preregistration for IBS Championships shall be required at least 30 days in advance of the Championships. Prepayment of fees is not required. However, a written declaration of intent to attend is required. There will be a mandatory late fee of \$10.00 assessed for all registrations (written declaration of intent to attend) received after 30 days before the Championship. Should a preregistered competitor be unable to attend, the total fees paid will be refunded.

D) Match Entry Fees

- 1) At IBS Registered Tournaments, competitors will not be required to pay the cash awards match fees, unless they wish to.
- 2) In those cases where merchandise prizes are to be awarded in lieu of cash, a competitor shall pay the match fee, if he/she wants to compete for same.
- 3) Competitors not paying entry fees will not participate in merchandise or money awards but will receive credit and ranking for groups and aggregates fired, including recognition for any record group or aggregate.
- 4) Any club holding a Registered Tournament with cash awards and which does not undertake to return 100% of the cash award entry fees shall so state in its program.

E) Return Of Registration Cards

All clubs holding IBS Registered Tournaments must forward to IBS Headquarters the registration cards of all competitors who shot in one or more matches on the program. Cards shall be forwarded within four weeks after the tournament and be accompanied by the fees payable to IBS.

F) Selection of Relay

Clubs conducting Registered Tournaments have the privilege of permitting competitors to select their relay, but the clubs cannot alter the IBS rule governing the selection of benches (see III.H.1-9).

G) Appointment of Tournament Officials

- 1) In all Registered Tournaments there shall be a Range Officer, three Referees and an alternate, a Statistician, and an Official Scorer. The purpose of the alternate referee is to act in the place of any referee who is shooting and who requests one of his/her targets to be remeasured or plugged. Under no circumstances shall a referee judge their own target.
- 2) All officials at Championship Tournaments must be approved by the President of IBS.
- 3) No official, except Referees, shall participate as contestants in a Championship Tournament in which he/she is an official. At the discretion of the host IBS club, a Range Officer may shoot as long as he/she is not responsible for providing Range Officer supervision for a Match in which he/she is actually shooting.
- 4) Referees must be IBS members in good standing.
- 5) In all Registered Tournaments, Committee members (600-1000, Group and/or Score) or Executive Board members cannot serve as a referee.

H) Drawing for benches

- 1) The Host Club through its representative shall conduct a drawing for benches. One of the Referees or Statistician shall be present to see the drawing is fairly conducted and to represent shooters not present when called upon to draw.
- 2) Latecomers must draw their benches by lot in presence of the Chairperson Referee or the Statistician.
- 3) Clubs have the option of having but one drawing and requiring each competitor to shoot from the same bench for all matches at all ranges or they may allow two drawings - one for matches at the first distance and one for the matches at the second distance.
- 4) Having drawn a bench or benches, a competitor will not be permitted to make any further changes in relays or benches, except when through some physical condition a hardship results, in which case the Range Officer may change the assignment of bench or relay or both in such a way as to relieve the hardship.
- 5) At Championship Tournaments a system of bench rotation shall be used, whereby each competitor shall draw by lot his/her competitor or bench number for the first event of each day or at each range, and for each following events shall move a predetermined number of benches. He/she may be assigned the same competitor number for all subsequent events at the same Tournament.
- 6) Since rotation of benches is required at IBS Championships and preregistration is also mandatory, the Host Club may draw benches for competitors and assign benches for physical hardships prior to the Tournament occurring. This speeds up registration at the Tournament and reduces complications.
- 7) Bench rotation may be used at any IBS Registered Tournament when so elected by the Host Club.
- 8) Host Clubs must definitely state in their program for each Tournament whether they will hold one or two drawings for benches, or if they will use the bench rotation system.
- 9) A competitor may identify up to three other competitors to share bench rotation at the time of bench drawing. He or she must declare the other individuals prior to any of the individuals drawing for benches. Pre-registration is encouraged. The Host Club will accommodate the request up to available benches on currently open relays.

I) Inspection of Equipment

- 1) A scale with certified weights shall be set up near the firing line at all Registered Tournaments requiring weight limits on rifles. Competitors may use this equipment prior to and during the matches. A certified weight is one certified by a State Agency or a private company offering certified weights.
- 2) The Referees shall inspect **every** rifle on the firing line at all State and National Championships, preferably as the competitors leave the firing line, but at the Referees' discretion, during the firing of the matches. At the balance of IBS registered tournaments, referees will conduct **random** rifle weighing and will inspect rifles and rests to insure that rifles will be removable from their front rests without lifting any part of the front rest from its contact points with the bench it is occupying. These

two checks are the minimum checks that must be done at all IBS Registered before or after a tournament has started.

- 3) Referees will spot check at their discretion rifle weight, dimensions and rests. Please cooperate. An overweight rifle, or one outside the rules dimensionally, or an illegal rest will result in disqualification if the illegal equipment has been used to fire any part of the Registered Tournament.
- 4) Certified Master Weights are required at all Registered Tournaments. Scales should have a zeroing pointer. Scales must be balanced and leveled including the one-ounce error factor. Scales are to be set up in a reasonably permanent location and should remain at this location for the duration of the Tournament.
- 5) In Tournament where the dimension factor is involved the Host Club shall provide an accurate scale, a steel rule, and a pair of calipers or micrometer having a maximum capacity in excess of 1.25". In weighing rifles with scope attached an excess of one ounce shall be attributed to scale error.

J) Protests and Appeals

- 1) A fee of \$10.00 shall be in place for any target to be rescored or remeasured. If the target changes score the fee shall be returned to the shooter-otherwise the fee shall be forfeited to the Club holding the match. In group shooting, the group size shall have to change .020 inch or more (smaller or larger) to be considered a change.
- 2) Any competitor in a Registered Tournament, who feels aggrieved at a decision of the Range Officer, or Referees, may before leaving the range on the day the grievance arose, upon payment of \$10.00 appeal the decision by filing a written notice of appeal with the Range Officer. The full written grievance must be mailed to the appropriate committee (Group, Score, or 600-1000) and postmarked within 48 hours of the tournament. The statement should include:
 - a) Reasons for appeal
 - b) Rule being broken
 - c) Names of Referees, Range Officer, Scorer, etc., where appropriate
 - d) Name of Competitor breaking the rule
 - e) Statement must be signed
 - (i) The appropriate committee will investigate the appeal and forward all findings to the Executive Board. The Executive Board's decision is final. If the appeal is substantiated, the protest fee will be returned. If the appeal is overruled, the fee will be forfeited to the IBS.

K) Official Score Bulletins

The Tournament Sponsor shall supply every registered competitor with a copy of the official score bulletin which shall be a complete record of all Groups and Scores fired and all Registered Tournament aggregates. Equipment data shall be listed for a minimum of the top 20 Competitors at Championship Tournaments and top 10 at all other Registered Tournaments.

L) Programs

Upon receiving assignment of a Tournament date the Host Club may prepare a program for circulation to interested shooters. Posting of the Tournament dates on the IBS Website satisfies this rule. The program shall state:

- 1) The name of the Host Club, the location of the Range, and the date of the Tournament
- 2) The Schedule of Events
- 3) The Amount of the Registration fee
 - a) Where offered - the Entry Fee for each match and a statement that no entry fee shall be required of anyone not desiring to compete for awards
 - b) A Schedule of Cash Awards expressed as a percentage of entry fees collected
 - c) A statement as to whether or not a drawing for benches shall follow the requirements for Championship Tournament and if not, the number of drawings
 - d) The name, address, and telephone number of the Secretary and Director of the Club

M) Conduct of Tournaments

1) Target Detail

- a) The target detail shall be appointed by the Host Club and shall be under the immediate command of a Target Captain who shall direct the activities of the crew within the authority reposed in the Captain by the Host Club. The Range Officer shall supervise handling of the targets before and after being placed on and taken from the range. The Target Captain shall be charged with the proper marking and identification of every target and its backer or backers. The marking shall correspond with the numbers of the event, the bench, and the competitor number shall be marked on each target in numbers easily identifiable from the bench. He/she shall be charged with the orderly placing of targets in the target frames, the orderly removal of targets from the frames and the orderly delivery of targets to the Official Scorer. He/she shall see that the same order is preserved with respect to the backer and backers. He/she shall not enter the range except by order of the Range Officer and shall be responsible for removal of the crew from positions of hazard giving the "All Clear" signal to the Range Officer.
- b) The foregoing responsibilities shall be met by the observance of a standard operating procedure, in which they shall be instructed by the Range Officer. The following procedure is suggested: prior to the Tournament, an estimate of the attendance and an estimate of the number of the entries in the several classes shall be made. Sufficient targets shall be prepared to provide enough for each relay in each class for the first match.
- c) After completion of bench assignments the Statistician shall prepare and furnish the Range Officer and the Captain of the Target Detail with a copy of the Range Officer Tally, which shall show which competitor occupies each bench in each relay of each match, thereby furnishing information necessary to complete the identification marking of the targets for matches subsequent to match number one, and to avoid preparing target for inactive benches.
- d) The Captain of the Target Detail shall instruct the crew in the theory and practice of keeping targets in order, and shall demonstrate on the methods to be followed to insure this result. The Range Officer shall inspect the target frames, target covers, if any, and the moving backer mechanism, and see that all defects are corrected or repaired prior to the match. A routine for entering and leaving the range between relays shall be established and rigidly adhered to.
- e) The Captain shall be the last person to leave the range and shall be responsible for actuating the moving backer mechanism. With the Statistician they shall adopt a routine for identifying the moving backer and stationary backer, if any, with their proper Target.

2) Preliminary

There may or may not be a ceremony preliminary to the tournament events. If there is one, the Range Officer will wait until it is over before calling the first relay to the first match. The Target detail may still be on the range, but the preliminaries do not require an empty range.

3) General Instructions

At each tournament the following will be read to each relay prior to the first match of each day of the tournament. All competitors for that relay must be at the bench before the range officer can begin to read the safety instructions. Playing a recording of the instructions is allowed.

- a) The Range Officer's safety instructions are:

"Bolts and cartridges must always be out of the rifle except between the commands 'Commence Fire' and 'Cease Fire'. In the loading area only, you may insert a stripped and flagged bolt. Otherwise, you will be disqualified from the tournament.

Referees may spot check rifles and rests, which must be within the rules to avoid a disqualification.

If I must stop a match prematurely, you will first hear an air horn or loud buzzer, then the command 'Cease Fire'. You must leave your rifle alone, and wait for follow-up commands. A shot after the 'Cease Fire' will result in a DQ. Once I have assessed the situation I will give further instructions. If it is a safety incident, all rifles are to be left untouched until I give other instructions. Otherwise I will tell you to 'Clear your rifle

by firing or by opening the bolt'. Before the target crew moves forward, all bolts must be out and you must step back from the bench. Any time lost won't be charged against your allotted time, and an extra one minute will be added to the remaining time and one (1) minute will be added to you time, not to exceed the original time allotted."

b) At every relay of every match the Range Officer shall announce in exactly these words:

"This is match number __relay number __- It is a __-shot match at __-yards/meters. You will be allowed __minutes to complete your firing. Beginning at two minutes before the time limit shall expire, there will be a countdown as follows: 2 minutes, 1 minute, 30 seconds, 15 seconds, 10 seconds, 5 seconds, cease fire."

c) The Range Officer will then give the following commands in the following sequence with an approximate five-second interval between each command:

"Ready on the right, ready on the left, ready on the firing line, commence firing."

d) In order for the Range Officer and/or Safety Officers to maintain safe control of the firing line, all competitors are to remain seated and quiet at their assigned bench until the range officer gives the **"Clear the benches"** command.

e) When the match time has expired or when the last shooter has finished his/her string of fire, whichever shall be earlier, the Range Officer will give the following commands:

"Cease fire. Remove your bolts and remain seated. Show your bolts over your head".

f) This applies to anytime that a "cease fire" is called and the benches have to be cleared to allow target crew or others down range.

g) At this point the Range Officer will visually inspect the firing line, with help from appointed Safety Officers, as appropriate, who will signal the Range Officer that all bolts are out with a thumb up sign. Once the Range Officer confirms that the line is safe, he/she shall command: **"Clear the benches."**

h) The Range officer is in charge of the target detail and the target detail is not to enter the range until the range officer has cleared the firing line and has given the target crew the command to go down range.

i) Bolts will be removed from all rifles during the course of a tournament, at all times, except between appropriate commands given by the Range Officer.

3) Preparation and Use of Forms

The statistician shall have supervision and control of any statistical forms used in the conduct of the tournament, and shall be responsible for all entries made therein. In the event that any entry of a scoring figure shall prove to be in error, the statistician shall make a correction.

a) Basic Form:

The Basic Form Registration Data (RD), or equivalent heretofore referred to, shall be used in the preparation of all other forms.

b) Other Forms:

All other forms should for the sake of uniformity, be obtained from the IBS. Irrespective of the order in which registrants were entered on the form RD, the succeeding forms should list them in the order of bench or target number, thereby reducing the chance of erroneous entry as targets are scored.

c) Other Club Material:

(i) In addition to the basic form RD and registration cards, the Host Club should have:

(a) Identification tags with competitor number, bench number and relay

(b) Range Officer tally giving name and bench number of each contestant of each relay

- (c) Match and Aggregate Score (M&AS) Posting Form in duplicate. The club shall post scores for review by competitors.
 - (d) Forms for application for IBS Membership
- 4) Duties of Tournament Officials
- a) Range Officer:
He/she shall conduct the matches and supervise the competitors. He/she shall direct the actions of the target detail while on the range. He/she shall enforce all safety rules. In the event of boisterous or unsportsmanlike conduct of a competitor, he/she shall first caution such competitor, and if the offense is repeated shall disqualify the competitor for the match in which the second offense was committed. Refusal to comply with the Range Officer shall be grounds for barring a competitor from the range. In the event of any situation arriving (e.g. Act of God), procedures for which are not covered by these rules, the Range Officer has full authority to stop the match and after consultation with the referees, announce a binding decision or procedure, which shall be final and binding. Any such occurrence shall be fully reported to the Board of Directors by the Head Referee for possible remedial legislation. Such report shall be in writing.
 - b) Referees
The Referees shall inspect the equipment of competitors according to Rule III.I Inspection of Equipment and pass upon whether such equipment complies with the requirements of the class in which the shooter is competing. If found to be noncompliance, the shooter shall be given the right to correct it, to shoot in a class in which his/her equipment does qualify, provided that the shooter has not shot any part of the Registered Tournament or to file a protest and shoot under protest. The referees shall investigate any complaints of conduct on the range, hardship in the assignment of benches, alleged crossfires and similar matters and shall report their findings to the Range Officer who shall enforce their decision.
 - c) Statistician:
The Statistician shall have charge of the target detail while off the range, and shall arrange for the orderly reception of the targets by the official Scorer. He/she shall supervise the work of the scoring detail. He/she shall collect the scored targets from the scoring detail and enter the scores on form M&AS or into a computer-scoring program. He/she shall be in charge of all total subtotals and aggregates the operation of the adding machine/computer the determination and payment of all awards and the preparation of the Tournament Bulletin and report to Precision Shooting. The Statistician, or an assistant appointed, shall require each contestant to:
 - (i) Exhibit appropriate membership card
 - (ii) Fill out and sign an IBS Registration card
 - (iii) Elect the class or classes of competition in which he/she will compete
 - (iv) Pay the appropriate registration fee or fees
 - (v) Elect whether to compete for awards, or for record only, and if for awards, to pay the appropriate entry fees
 - (vi) Indicate which relay is preferred. The data thus obtained, where applicable, should be entered on IBS Form RD, and the registration card shall be filed preparatory to forwarding to IBS
 - (vii) The Statistician shall act as treasurer and disbursing officer of the Tournament. He/she shall segregate from the registration fees that part reserved for IBS and deliver the balance to the Host Club. He/she shall retain the match entry fees and distribute them as awards when the winners thereof have been ascertained
 - d) Official Scorer:
The official scorer shall direct the duties of the individuals comprising the scoring detail. He/she shall coordinate his/her duties with those of the Statistician. Details of scoring techniques for each type of competition can be located in the appropriate section of the Rulebook.
 - e) Host Club Director:

- (i) Prospective record targets together with backers³ and sighter targets having been properly identified and signed by all match Referees and the Range Officer shall be turned over to the Host Club Match Director with duplicate copies of the Record Submission Form on or before the last day of the tournament in which they were shot. The Host Club Match Director shall verify that the information on the Record Submission Form matches that information submitted by the competitor on the competitor's registration card. The Director will retain one copy of the Record Submission Form for file and will forward the identified targets and backers with one copy of the Record Submission Form to the Chairperson of Official Measurement Committee.
- (ii) This section shall govern all disciplines of registered competition.
- (iii) Range measurements stand as the official scores of that match and must be honored in the placement of competitors.
- (iv) **Records are recognized chronologically, by date only, regardless of match attended or relay participated in. If multiple competitors break a record on a given day, regardless of the match they attended or the relay on which they shot, each one is given full credit for breaking the record (including, but not limited to, IBS record certificate and Precision Rifleman points), and the best score shot on that day is recognized as the record going forward. This rule shall not be retroactive.**

N) Position on bench:

In all Registered Tournaments for any class of competition the rifle shall be so placed that the muzzle extends forward of the bench and the entire receiver of the rifle is behind the firing line.

O) Unused benches:

In all Registered Tournaments it shall be required that no contestant shall occupy any bench in a relay in which he/she is not shooting. Violating this rule will result in disqualification from the Tournament.

P) Eligibility for aggregate:

No shooter who has not satisfactorily completed every target in any aggregate compilation shall be eligible for any award in the aggregate. Ineligibility for one or more aggregates shall not preclude a shooter from winning an award in one or more single events (exception - see rule concerning firing before commence fire command).

Q) Artificial lights:

the firing of Registered Tournaments, or any part thereof under artificial lights is authorized.

R) Wind Flags

- 1) Official wind flags shall be a minimum size, 1/5"x24", but wind flags of any size may be placed by competitors **no higher than the line between the highest point of bench top to bottom of target card.**
- 2) **Except as provided for in 3) below, personal wind flags will be restricted to within the competitive shooting lane of the competitor placing the flags. A shooting lane is defined as the centerlines between benches to the centerline between the target cards unique to each competitor.**
- 3) **Competitors may place personal wind flags off to the side of the range; that is, left of the left-most bench on the range, and/or right of the right-most and right-most bench being used on a given day at the affected tournament.**
- 4) **After the first shot of the aggregate, including the warm-up match(should be conducted), flags may only be moved by Referees under the direction of the Range Officer and in no circumstance shall any flag be moved for the shooters convenience or benefit for the remainder of that aggregate. If a flag is causing an obstruction for any shooter, range personnel will lay down the flag and pole in question. At any tournaments s where multiple**

³ When the required number of shots can be identified in the record target, a backer is not required for record measurement.

aggregates are being contested on the same day, flags may be moved and/or adjusted by competitors between aggregates.

- 5) The use of electronic wind gauges or similar devices will be only allowed in Heavy Bench Rifle Competition.

S) Club Awards:

Clubs holding IBS Registered Tournaments are to guarantee the following awards: First through third in each Grand Aggregate, First in each Range Aggregate, Small Group at Each Yardage, each class. First and Second in each Multi-Gun (Score Tournaments are exempted from this requirement.).

T) I.B.S. Awards:

1) Championships

a) 100/200 Varmint/Heavy Bench

(i) Traveling plaques (or cups)

- (a) HV Grand winner (to be known as Benchrest Memorial Aggregate)
- (b) LV Grand winner
- (c) SP Grand winner
- (d) HB Grand winner
- (e) Two Gun winner
- (f) Three Gun winner (HV/SP/LV)
- (g) Four Gun winner (HV/HB/LV/SP)
- (h) HV Team

(ii) Keeper plaques: - Same as traveler except HV team

(iii) Patch (5 inch)

- (a) HV 100 winner
- (b) HV 200 winner
- (c) HV Grand winner
- (d) LV 100 winner
- (e) LV 200 winner
- (f) LV Grand winner
- (g) SP 100 winner
- (h) SP 200 winner
- (i) SP Grand winner
- (j) HB 100 winner
- (k) HB 200 winner
- (l) Two Gun winner
- (m) Three Gun winner
- (n) Four Gun winner

(iv) Patch (3 inch)

- (a) Top 20 HV Grand
- (b) Top 20 LV Grand
- (c) Top 20 SP Grand
- (d) Top 20 HB Grand
- (e) Top 20 Two Gun
- (f) Top 20 Three Gun
- (g) Top 20 Four Gun

- (v) Match Pins: A match pin will be awarded to the competitor firing the smallest group in each match in each class at each yardage
- b) 200/300 Championship
 - (i) Traveling Plaques (or cups)
 - (a) HV Grand winner
 - (b) LV Grand winner
 - (c) HB Grand winner
 - (d) Two Gun winner (HV plus LV or SP)
 - (ii) Keeper Plaques: Same as Traveling plaques
 - (iii) Patch (5 inch)
 - (a) HV 200 winner
 - (b) MV 300 winner
 - (c) HV Grand winner
 - (d) LV 200 winner
 - (e) LV 300 winner
 - (f) LV Grand winner
 - (g) HB 200 winner
 - (h) HB 300 winner
 - (i) Two Gun winner
 - (iv) Patch (3 inch)
 - (a) Top 10 HV Grand
 - (b) Top 10 LV Grand
 - (c) Top 10 HB Grand
 - (d) Top 10 Two Gun
 - (v) Match Pins: A match pin will be awarded to each competitor firing the smallest group in each match at each yardage in each class.
- b) Score Championships (100/200 and 200/300)
 - (i) Traveling plaques/cups
 - (a) Hunter Grand winner
 - (b) Varmint Hunter Grand winner
 - (c) Varmint for Score Grand winner
 - (ii) Keeper Plaques: Same as Traveling plaques
 - (iii) Patch (5 inch)
 - (a) Hunter 100 winner
 - (b) Hunter 200 winner
 - (c) Hunter Grand winner
 - (d) Varmint Hunter 100 winner
 - (e) Varmint Hunter 200 winner
 - (f) Varmint Hunter Grand winner
 - (g) Varmint for Score 100 winner
 - (h) Varmint for Score 200 winner
 - (i) Varmint for Score Grand winner
 - (iv) Patch (3 inch)

- (a) Top 10 Hunter Grand
 - (b) Top 10 Varmint Hunter Grand
 - (c) Top 20 Varmint for Score Grand
 - (v) Match Pins: A match pin will be awarded to each competitor firing the highest score in each match at each yardage in each class.
- 2) Aggregates:
- An aggregate patch will be awarded to each individual that wins a range aggregate at a registered IBS Tournament. In case of score shoots, a patch will be awarded to the top score in the Varmint for Score class and a patch will be awarded to the top score in the Hunter class and to the top score in the Varmint hunter class
- 3) Rookie Award:
- Any Group Shooting competitor that has two years or less experience in Group Shooting competition shall be eligible to compete for the Rookie Award. The Chairperson shall keep records based on achieving 1 point for each competitor beaten at registered tournaments. Rookies need to be designated in the match results (Official Score Bulletin). The Award will consist of a Keeper plaque paid for by Precision Shooting.
- 4) Precision Rifleman/Woman Awards:
- a) The Precision Rifleman/woman award system was developed to recognize the accomplishments of shooters that have consistently performed well at registered IBS Tournaments over a period of time.
 - b) There are three levels of achievement recognized. These levels are achieved through point accrual. The levels are Bronze for 30 Points, Silver for 60 Points, and Gold for 100 Points.
 - c) A shooting jacket embroidered with the shooters name is awarded for the Bronze level. A certificate is awarded for the Silver and Gold accomplishments.
 - d) The presentation of the awards is made at the International Championships.
 - e) A master file of all IBS Shoot reports is kept by the President or his/her designated representative. A file is also kept for any shooter that has earned any points. The final responsibility for tracking points rests with each individual competitor. The Second Vice President is accountable for verifying all points prior to the awarding of any of the three achievement levels to a competitor.
 - f) The points are to be determined based on the attendance at the shoot. The beginning number of competitors at each of the distances determines the points that will be awarded the winners. The number of competitors in the Grand Aggregate determines the number of points to be awarded for the winners in the Grand.
 - g) All competitors that start are included as competitors at that distance, as well as the Grand. Any competitor that fires in a match at all of the distances and all of the classes in a Multi-gun is counted as a competitor in the Multi-gun.
 - h) The point awards are as listed below:
 - (i) IBS Championship (50 or more Competitors)
 - (a) Four Gun Winner - 5 Points
 - (b) Three Gun winner - 5 Points
 - (c) Two Gun winner - 4 Points
 - (d) Top 10 Four Gun - 1 Point
 - (e) Top 10 Three Gun - 1 Point
 - (f) Top 10 Two Gun - 1 Point
 - (g) Grand Aggregate winner - 4 Points
 - (h) Top 10 Grand Aggregate - 1 Point

- (i) Range Aggregate winner - 2 Points
- (ii) IBS Championship (20 to 49 competitors)
 - (a) Four Gun winner - 2 Points
 - (b) Three Gun winner - 2 Points
 - (c) Two Gun winner - 2 Points
 - (d) Grand Aggregate winner - 2 Points
 - (e) Top 10 Four Gun - ½ Point
 - (f) Top 10 Three Gun - ½ Point
 - (g) Top 10 Grand Aggregate - ½ Point
 - (h) Range Aggregate winner - 1 Point
- (iii) Any IBS Registered Tournament (50 or more competitors)
 - (a) Two Gun winner - 2 Points
 - (b) Grand Aggregate winner - 2 Points
 - (c) Range Aggregate winner - 1 Point
 - (d) Top 3 Two Gun - ½ Point
 - (e) Top 3 Grand Aggregate - ½ Point
- (iv) Any IBS Registered Tournament (20 to 49 Competitors)
 - (a) Two Gun winner - 1 Point
 - (b) Grand Aggregate winner - 1 Point
 - (c) Range Aggregate winner - ½ Point
- (v) IBS Record Set
 - (a) Group Record - 2 Points
 - (b) Aggregate Record - 4 Points
 - (c) Grand Aggregate Record - 4 Points
 - (d) Two Gun Record - 4 Points
 - (e) Three Gun Record - 4 Points
 - (f) Four Gun Record - 4 Points

U) Sight-In Targets:

Sight-in targets will be provided and will remain hanging for the duration of the aggregate. The host club will replace shot out sight-in targets as needed. The sight-in targets will consist as a minimum of two large pieces of cardboard or other firm backing material (other than wood) with new benchrest targets affixed thereto, 2 sight-in targets for every 6 record targets.

V) Display of Targets:

Targets at Championships are to be displayed for viewing by competitors. Ranges are to provide protection of targets from the elements. This will allow competitors to protest inappropriately scored targets to Referees.

W) Rule Books:

All Registered IBS Tournaments must have an IBS Rulebook available at the range.

IV. Safety

A) Occupancy of Benches:

- 1) No person shall sit at, or be within five feet of any bench during the changes of targets until the Range Officer shall announce, "COMPETITORS MAY TAKE THEIR PLACES AT THEIR BENCHES."
- 2) At the discretion of the Host Range, the placing of rifles on rests between matches is allowed provided that the "bolts out" (except between proper commands) rule is retained and only after the Range Officer has called a competitor's relay to the line.

B) Open Actions:

All actions shall be open and bolts removed except on the firing line between the appropriate commands given by the Range Officer (see section III.M.3 General Instructions).

C) Firing:

- 1) No shot shall be fired until the command "COMMENCE FIRE" has been given in its entirety or after the command "CEASE FIRE" has been initiated."
- 2) A competitor firing before "Commence Fire" in its entirety or after "CEASE FIRE" has been initiated shall constitute grounds for disqualification in all classes of competition and voiding of all his/her groups/targets fired at the Tournament.

D) Position of Muzzle:

The muzzle of every rifle when in firing position shall be in front of the front edge of the bench upon which it rests.

E) Emergency Commands:

All competitors must obey at once the command "CEASE FIRE" and shall not fire again until the command "RESUME FIRE" is given. In the event that conditions require a suspension of fire, the time of suspension shall not be charged to the time allotted for completion of the relay, an extra one minute will be added to the remaining time.

F) Sportsmanship:

There shall be no boisterous conduct on the firing line during the firing of any event. A rifle range is no place for pranks, and any shooter failing to observe this will be disciplined by the Range Officer (see III.M.5.a Range Officer duties).

G) People Down Range:

At no time after the registered aggregate has begun will any person, other than range personnel or referees, be permitted down range until that range aggregate has been completed. Any person violating this safety rule will be automatically disqualified.

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V. Group Shooting Rules

A) Targets

- 1) Heavy Bench Rifle Competition.
The official 100 yard/meter target for all registered benchrest rifle competition (designated as IBS #1) shall have a ten ring of one half inch outside diameter. The nine ring shall be one-inch diameter. Succeeding rings shall increase one-half inch in outside diameter to and including the six ring. The aiming square shall be one-inch square and placed tangent the eight ring at the twelve o'clock position. Thickness of the sides of the aiming square will be one-quarter inch. The target shall have a black border line forming a rectangle 3.5 x 4.75 inches in size, which will be centered on a target card approximately 8x8 inches with no printing except the target inside the border line. A sighter target of the same basic design shall be on the same target card directly below the record target. The entire target card will measure approximately 8x16 inches. The sighter target is to have an S appear in both of the upper corners of the box. The target is to have an additional 10 and 9 ring placed in the third and fourth quadrants of the target. The additional nine ring is to be tangent with the eight ring. The distance between the record target bottom border and the top border of the sighter target should be approximately 3 1/2 inches. All of the printing of the target shall be done in black. (See DIAGRAM I - APPENDIX B). Targets for the longer ranges shall be increased in direct proportion to the range in all ring and, aiming square dimensions, except in ring thickness and distance between sighter and record targets. Overall size of the 200-yard /meter target (designated as IBS #2) will be approximately 8x8 inches with a black borderline one-half inch from the edge. The printing of the 300-yard target (designated as IBS #3) shall be 18x18 inches with the border one-half inch from the edge. The printing on the 300-yard targets shall be red.
- 2) Varmint Rifle Competition
Official targets for Varmint Rifle competition shall be IBS #1 at 100 yards/meters, the IBS #2 at 200 yards/meters and the IBS #3 at 300 yards.
- 3) Sporter Rifle Competition
Same targets as used in Varmint Rifle competition
- 4) Backers (moving)
A moving backer strip (or card) shall be required for 100 yard/meter, 200 yard/meter and 300 yard matches in all registered tournaments except for Score Shooting.
- 5) Backer (stationary)
In addition to the moving backer strip or card, a stationary backer shall be required at all **NATIONAL** tournaments **ONLY**. For competition, the stationary backer at 100 yards/meters shall be approximately 36 inches behind the record target: approximately 72 inches at 200 yards/meters and approximately 108 inches at 300 yards.
- 6) Shot Identification
When the required number of shots can be identified in the record target, a backer is not required for record measurement.

B) Rifles

- 1) Heavy Bench Rifle
Any rifle having a barrel length of 18 or more inches measured from the face of the bolt to the muzzle and having a safely operated firing mechanism. Electric triggers are allowed. Unrestricted rests are allowed (See II.H). Tuners are allowed.
- 2) Heavy Varmint Rifle
Any rifle having a safe manually operated firing mechanism, weighing not more than 13 1/2 pounds inclusive of sight, with a stock having a flat or convex forearm and total stock width not more than 3", having a toe formed by a straight line drawn from the toe of a substantially vertical butt with a 13 1/4 inch pull starting at a point at least 4 inches below the axis of the bore and extending forward to the centerline of the barrel at a point no more than 18 inches forward of the bolt face a barrel not less than 18 inches long, a diameter at and not more than 5 inches ahead of the bolt face of not more than

1.250 inches and a diameter at any point between the muzzle and 5 inches in front of the bolt face not greater than would be defined by a straight taper between such point 5 inches in front of the bolt face at 1.250 inches diameter and the muzzle at .9 inch diameter at 29 inches. The barrel may be attached to the receiver, bedding blocks or sleeve or combination thereof for a distance of no more than four (4) inches, measured from the face of the bolt. The overall length of the receiver, bedding block or sleeve or combination thereof not to exceed 14". (Maximum dimensions shall not include normal scope blocks or sight bases.) Epoxy or equivalent plastic bedding compound without parting compound, of the bottom 180 degree of any portion of the barreled action on Varmint class rifles is permitted. Remington 40XB stocks, as produced, may be used without alteration, provided there is no interaction between fore-end and sand bag that would constitute a guiding means. Electric triggers are allowed. No additions or attachments shall be added to the barrel, with the exception of a scope shade (such as those that have been used in competition over the history of the IBS), which are attached to the barrel by the means of tape, Velcro, or glue, or a tuner as described in a) except as below.

- a) Use of an attached barrel tuner shall be allowed, with the following restrictions:
 - (i) The tuner must be securely attached to the barrel (not made integral to the barrel).
 - (ii) The tuner cannot have venting ports.
 - (iii) The rifle must not exceed the weight as described herein.
 - (iv) Adjusting the tuner during a match can only be accomplished while remaining seated, and during a match can only be accomplished while remaining seated, and after removing the bolt from the action.
 - (v) The tuner is exempt from the barrel diameter restrictions (may be any diameter and length), but the barrel itself must remain within the dimensions as stated in the current rules. Failure to adhere to restriction #iv above will result in the immediate disqualification of the competitor from the aggregate in which he or she is competing at the time of the violation.
 - (vi) It is the intent of this rule change to allow the use of a tuner in all Group LV and HV, Score VFS, LV and HV hunter, Varmint Hunter rifles. This rule change does not affect the rules as they pertain to 1000 yd, and 600 yard competition/classes.
 - b) The use of muzzle brakes and/or venting or porting of barrels that redirects powder gas flow from following the direct line of the rifle bore shall not be allowed.
- 3) Light Varmint Rifle
Any rifle of not more than 10 1/2 pounds in weight inclusive of sights and otherwise meeting the requirements of the Heavy Varmint Rifle. No additions or attachments shall be added to the barrel, with the exception of a scope shade (such as those that have been used in competition over the history of the IBS) which are attached to the barrel by the means of tape, Velcro, or glue.
- a) The use of barrel tuners is allowed as described in V.B.2.a).
 - b) The use of muzzle brakes and/or venting or porting of barrels that redirects powder gas flow from following the direct line of the rifle bore shall not be allowed.
- 4) Sporter
Any rifle otherwise meeting the requirements of the Light Varmint Rifle, but of not less than caliber .230". No additions or attachments shall be added to the barrel, with the exception of a scope shade (such as those that have been used in competition over the history of the IBS) which are attached to the barrel by the means of tape, Velcro, or glue.
- a) The use of barrel tuners is allowed as described in V.B.2.a).
 - b) The use of muzzle brakes and/or venting or porting of barrels that redirects powder gas flow from following the direct line of the rifle bore shall not be allowed.
- 5) Varmint and Sporter Rifle Rests
Rests for Heavy Varmint, Light Varmint and Sporter Rifles shall be fired with sand bag front rests, which may be supported on a pedestal and shall not co-act with the sand bag to restrain recoil or form

a guiding means, and a rear rest, a sand bag supporting the rifle between the rear of the pistol grip and the toe of the butt stock (see sections II.H and II.I).

C) Courses of Fire

- 1) The chart below is a summary of the range, Grand Aggregate and Multi-gun aggregates that are recognized as IBS Championships. The chart also summarizes the recognized groups and aggregates for any Registered Tournament.
- 2) Aggregates for group shooting at 100, 200 and 300 yards are calculated in approximate Minutes of Angle (1 inch = 1 MOA at 100 Yards). Grand Aggregates are figured as an average of the MOA at each distance. Aggregates and Grand Aggregates for 100 and 200 Meter competition are calculated using the same technique. However, it should be realized that these figures will be simple aggregates and are not in MOA. MOA can be derived for the Metric Aggregates by multiplying by .914.
- 3) No Aggregate will be recognized until it has been contested twice within two calendar years of the time it was first contested.
- 4) The Host Club is required to start each day's shooting with a warm-up match. Other warm-up matches may be scheduled if desired. The warm-up match may be eliminated in the interest of competing a Class or Aggregate course of fire. This final decision will be made by the referees when the situation arises. However, provisions must be made to allow shooters to get on paper.

D) Groups and Aggregates Recognized By IBS

a) Fired Events

(i) Groups

Shots	Distance	Classes
5	100 Yards	HV, LV, SP
5	100 Meters	HV, LV, SP
5	200 Yards	HV, LV, SP
5	200 Meters	HV, LV, SP
5	300 Yards	HV, LV, SP
5	100 Yards	HB
5	100 Meters	HB
5	200 Yards	HB
5	200 Meters	HB
5	300 Yards	HB
10	100 Yards	HB
10	100 Meters	HB
10	200 Yards	HB
10	200 Meters	HB
10	300 Yards	HB

(ii) Range Aggregates

Groups	Shots per Group	Distance	Classes
5	5	100 Yards	HV, LV, SP
5	5	100 Meters	HV, LV, SP
5	5	200 Yards	HV, LV, SP
5	5	200 Meters	HV, LV, SP
5	5	300 Yards	HV, LV, SP

5	5	100 Yards	HB
5	5	100 Meters	HB
5	5	200 Yards	HB
5	5	200 Meters	HB
5	5	300 Yards	HB
5	10	100 Yards	HB
5	10	100 Meters	HB
5	10	200 Yards	HB
5	10	200 Meters	HB
5	10	300 Yards	HB

b) Unfired Events

(i) Grand Aggregates

Total Groups in Aggregate	Shots per Group	Distance	Classes
10	5	100 and 200 Yards	HV, LV or SP
10	5	100 and 200 Meters	HV, LV or SP
10	5	200 and 300 Yards	HV, LV or SP
15	5	100, 200 and 300 Yards	HV, LV or SP
10	5	100 or 200 Yds-1 day	LV and HV
10	5	100 and 200 Yards	HB
10	5	100 and 200 Meters	HB
10	5	200 and 300 Yards	HB
15	5	100, 200 and 300 Yards	HB
10	10	100 and 200 Yards	HB
10	10	100 and 200 Meters	HB
10	10	200 and 300 Yards	HB
15	10	100, 200 and 300 Yards	HB

(a) Championship Group Grand Aggregates

Total Groups in Aggregate	Shots per Group	Distance	Classes
10	5	100 and 200 Yards	HV, LV or SP
10	5	100 and 200 Meters	HV, LV or SP
10	5	200 and 300 Yards	HV, LV or SP
10	10	100 and 200 Yards	HB
10	10	100 and 200 Meters	HB
10	10	200 and 300 Yards	HB

(b) Group Multi-gun Championships

(i) 2 Gun

Total Groups in Aggregate	Shots per Group	Distances	Classes
20	5	100 and 200 Yards	LV and HV
20	5	100 and 200 Meters	LV and HV

(ii) 3 Gun

Total Groups in Aggregate	Shots per Group	Distances	Classes
30	5	100 and 200 Yards	SP & LV & HV
30	5	100 and 200 Meters	SP & LV & HV

(iii) 4 Gun

Total Groups in Aggregate	Shots per Group	Distances	Classes
10	10	100 and 200 Yards	HB
PLUS			
30	5	100 and 200 Yards	SP & LV & HV
OR			
10	10	100 and 200 Meters	HB
PLUS			
30	5	100 and 200 Meters	SP & LV & HV

E) Time Limits

For the first match of each day or the first match after a change of distance, fifteen minutes shall be allowed for a ten shot match and ten minutes for a five shot match. For all other matches twelve minutes shall be allowed for ten shot matches and seven minutes for five shot matches. Not less than 30 minutes shall be allowed between the end of a relay of one event and the start of the same relay of the next event. There shall be no exception to the requirement that all competitors shall complete their string of fire within the time allotted. At all Registered Tournaments, the time limits shall be determined by a timer calibrated in seconds. Each time a relay is stopped for an emergency, one extra minute shall be added to the time limit.

F) Group Measurements

- 1) Groups are to be measured by any method approved by the IBS in one thousands of an inch. The Sweany reticule rule or its equivalent will be the only official measuring device used at all registered matches. In measuring groups fired with calibers for the caliber to be measured, the measurement shall be made from the extreme outside edges of the two widest bullet holes and the actual differential of the larger calibers shall be subtracted from the measurement read on the Sweany Measuring Scale.
- 2) All scoring shall be by group size from center to center of the widest shots, using the Sweany Rule or equivalent. The following procedure has proven successful.
 - a) Immediately after the conclusion of a relay or a match, as the ease may be, the target detail shall check the moving backers and count the bullet holes. If there are less than the required numbers,

the backer shall be attached to its target and taken to the Official Scorer together with the moving backer record.

3) Breaking of Tie Scores

- a) If in an individual match two or more contestants shall have groups of identical size, their relative position in the match shall be determined in accordance with their relative positions in the day's aggregate for the distance at which the tie match was fired.
- b) If in an aggregate match, two or more contestants are tied with aggregate measurements of identical size, their relative position shall be determined by reference to the individual targets comprising the aggregate. The contestant having the smallest groups at 100 and 200 yards (in MOA) shall prevail in a Grand Aggregate.

4) Official Scorer

The official scorer shall direct the duties of the individuals comprising the scoring detail, and shall in most cases operate the Sweany measuring device or equivalent. He/she shall coordinate his/her duties with those of the Statistician. Typical apportionment of the work is as follows:

- a) All targets questioned by the target detail shall be compared to the moving backer. If there are less than the required number of shots, the target shall be presented to the Referees for their decision.
- b) The Official Scorer shall determine the widest shots and indicate them by marking a line extending approximately an inch from a point 1/8" beyond the outer margin of the widest shots. Then shall operate and read the measuring device and mark the widest measurement clearly and boldly at a predetermined place on the face of the target. The same person shall score all targets for one match.
- c) The scores thus measured shall be entered in the appropriate place on the M&AS form or computer program.
- d) Upon completion of scoring for each match, winning places shall be marked and then displayed to the competitors. If any place entailed to a cash award shall be one by a competitor shooting for record only, an additional place number or numbers shall be added to provide for the proper number of awards to competitors shooting for awards.
- e) Championship aggregates shall be computed and posted promptly after the last target of the last match for each course is scored. The total of scores for all 100-yard matches divided by the number of matches shall be the aggregate. The total of scores for 200-yard matches divided by twice the number of matches at 200 yards shall be the 200-yard minute of angle score. The sum of the 100 yard and 200 yard aggregate divided by two shall be the grand aggregate.

G) Disqualification of Target and Competitors:

- 1) Except as hereinafter provided a target shall be disqualified for having less than the required number of shots.
- 2) Any shot (other than the first sighting shot) above the centerline between the record and sighter targets, but outside the border (and not touching) the borderline of the record target does not constitute grounds for disqualification. The bullet hole in question will be inspected using the Sweany reticule device to determine whether the periphery touches the target border or not. This shot or shots will be measured and a penalty of 2 minutes of angle for each shot will be added to the resultant group size.
- 3) All shots below the centerline between the record target and the sighter target shall be considered as sighters and are not subject to disqualification.
- 4) Shots close to but below the centerline will be plugged with the appropriate caliber to determine if they touch the centerline. Any shot touching the centerline will be considered to be above the centerline.
- 5) The centerline is defined as a line midway between the bottom border of the Record Target and top border of the Sighter Target.

- 6) Any competitor who shall be aware of a crossfire shall report it at once to the Range Officer, and shall fire the balance of his/her shots on his/her own target. If such a report is not made, and the competitor has not fired more than the required number of shots on record targets, and the crossfire can be identified and attributed to him/her by means of a backing target, he/she shall be deemed to have shot a crossfire inadvertently and shall be penalized as follows: the crossfire shot or shots shall be transferred to his/her target and shall be measured as fired in that position on the target, and shall be eliminated from the target on which it was actually fired. To this measurement shall be added a penalty of $\frac{1}{4}$ minute of angle for each shot crossfired.
- 7) Any competitor whose first shot of the event shall strike the record target shall report at once to the Range Officer before firing another shot. The Range Officer shall satisfy himself/herself that no other shots have been fired on the target and shall make a note to the Official Scorer that the target not be disqualified and the shot shall not be scored.
- 8) A competitor found to have crossfired and whose target and/or the stationary backer show him/her to have fired more than the required number of shots (including crossfire) shall be deemed to have tried to conceal the fact of his/her crossfire and shall be disqualified. An exception shall be made if the shooter notified the Range Officer before the end of the relay that he/she may have fired more than the required number of shots. The $\frac{1}{4}$ " penalty per 100 yards shall apply.
- 9) In registered matches where crossfires cannot be identified, the total shots on the record target will constitute the competitor's record group for measurement. No competitor shall be allowed to shoot a second time for any match. It is recommended that target covers be used to cover all targets not being fired during the active relay. Targets with more than the required number of shots will not be disqualified but, except for identified crossfires, group measurement must be taken from widest shots on the target.
- 10) In all instances the words "did not quality" will be used in marking targets or in match reports in lieu of the word "disqualified" and shall be designated by "D.N.Q."

H) Caliber Change:

Competitors changing caliber before or during competition must complete a caliber change card immediately and prior to the affected match. Caliber change cards will be available from the Range Officer and must be returned to the Range Officer as the competitor goes to the line. A competitor who does not report a change to a larger caliber will not be given the credit. A competitor changing to a smaller caliber will be subject to disqualification if the change is not reported. An exception to this rule would be if the competitor developed a rifle or ammunition problem during the actual firing of a match, he/she will not be disqualified if a gun used is of different caliber and that change is reported immediately at the end of the affected match. The Referees would determine the appropriate measurement method for the affected target.

VI. Score Shooting Rules

A) Purpose:

- 1) To attract shooters not previously engaged in Competitive Target Shooting.
- 2) To improve hunting rifle accuracy and effects of components used therein.
- 3) To better acquaint shooters with their rifles and competitive sportsmanship.

B) Classifications:

- 1) Hunter Class shall be fired with any cartridge with no less than 30-30 Win case capacity. This is accepted as 45 grains of water to the top of the neck. It shall be fired with a rifle meeting the rules described in Section VI.C below.
- 2) Varmint – Hunter Class shall be fired with any centerfire cartridge. The rifle shall meet the rules as described in Section VI. C below.
- 3) Varmint for Score shall be fired with any rifle meeting the Light Varmint or Heavy Varmint rules as described sections V.B.2 and V.B.3 of this rulebook. Records will be recognized for Light Varmint and Heavy Varmint Rifles and both rifles may compete as an individual class within the Varmint for Score class. There shall be no distinction between Light Varmint and Sporter records. They shall be considered singly as a 10-½ pound class.
- 4) Clubs may elect to award trophies for factory rifles or light hunting rifles at their registered matches. These rifles will however compete in one of the other three classes as far as records are concerned

C) Rifles – Hunter and Varmint Hunter:

- 1) Hunter rifle stocks must conform to the requirements established for the Heavy Varmint rifle with the following additional requirements:
 - a) The maximum width is 2.250 inches.
 - b) Stocks must have a magazine area that will meet the magazine requirement for Hunter Class Rifles in VI.C.8 below.
- 2) Re-barreling, restocking and special triggers permitted. Operating safeties are optional.
- 3) Bolt-action receivers shall be no larger in diameter than 1.4 inches and no longer than 10.25 inches. (This does not mean to exclude any quantity-produced receiver.) Projections on diameter not included such as recoil lug, sight bases, safety and similar items. Custom actions are permitted.
- 4) A hunter rifle barrel shall not be less than 18 inches long. The barrel shall have a diameter at and not more than 4 inches ahead of the bolt face, of not more than 1.250 inches and a diameter at any point more than 4" ahead of the bolt face not greater than would be defined by a straight taper between such point 4 inches in front of the bolt face at 1.25 inch diameter and the muzzle at .835 inch diameter at 24 inches from the bolt face. Original factory issue barrels need not meet these specifications. However, any rechambering, rebarreling with new or original barrel would then require that the factory issue barrel meet the above taper specifications. (See Appendix A).
- 5) No blocking or sleeving of action or barrel will be allowed, and barrel and action must be removable from the stock without destruction of the stock. Nothing may be fastened to the barrel except sights, sight bases and original manufacturer's attachments, with the exception of tape, paper, plastic or other similar material used for sole purpose of deflecting heat waves.
- 6) Method for connecting the rifle barrel to the receiver shall not be greater than 1.5 inches. This shall include recoil lug, barrel ring, barrel bracket or combination thereof.
- 7) Any sights are allowed. Scopes must be 6 power or less. Variable scopes must be set and taped.
- 8) The action will have a magazine cut in its bottom and the magazine shall be capable of holding two or more loaded rounds of ammunition for which the rifle barrel is chambered.
- 9) The rifle barrel and action cannot be constructed in one piece.
- 10) Rifle and scope shall not exceed ten (10) pounds in weight. Clubs shall allow a one ounce scale factor

- 11) Any centerfire rifle conforming to other Score Shooting specifications shall be permitted. (See SECTION VI.B Classifications above).

D) Course of Fire:

- 1) COURSES OF FIRE - Warm-up matches are optional. The following chart summarizes the Score Aggregate recognized by the IBS:
 b) Score Registered Aggregates

Targets	Shots	Distance	Classes
5	5	100 Yds..	HV, LV, HTR, VH
5	5	200 Yds.	HV, LV, HTR, VH
5	5	300 Yds.	HV, LV, HTR, VH
5	5	100 Meters	HV, LV, HTR, VH
5	5	200 Meters	HV, LV, HTR, VH
5	5	300 Meters	HV, LV, HTR, VH

- c) Score Registered Grand Aggregates

Targets	Shots	Distance	Classes
5	5	100/200 Yds.	HV, LV, HTR, VH
5	5	200/300 Yds	HV, LV, HTR, VH
5	5	100/200/300 YDS	HV, LV, HTR, VH
5	5	100/200 Meters	HV, LV, HTR, VH
5	5	200/300 Meters	HV, LV, HTR, VH
5	5	100/200/300 Meters	HV, LV, HTR, VH

- d) Score Championship Grand Aggregates

Targets	Shots	Distance	Classes
5	5	100/200 Yds.	HTR, VH, VFS
5	5	100/200 Meters	HTR, VH, VFS

- e) Unfired Events – 2-gun Grand Aggregate

Targets	Shots	Distance	Classes
5	5	100/200 Yds.	HTR or VH &, VFS

- 2) Matches are to be fired separately with twenty (20) minutes elapsing from the end of relay to the start of the same relay in the next match, if required by the competitors. Ten (10) minutes allowed to fire five (5) shots, on each on five (5) record bulls. At the discretion of the host club, except in the hosting of IBS National Championship Tournaments, seven (7) minute matches are allowed and this must be advertised in the shoot program, in Precision Shooting magazine or on the IBS website at least thirty (30) days prior to the tournament date.
 3) Targets (100, 200 & 300 yard) for Score shooting to be IBS approved. (See Diagram 2-Appendix B).

E) Rules For Procedure:

Rules of procedure as outlined in Section III of this rulebook are to be used here with the following additions:

- 1) Rifles shall be fired from benches on nonconforming pliable sandbags, both front and rear. Adjustable pedestals with sandbags under forearms are permitted. Blocks, boxes or such to raise

sandbags to get proper elevation are permitted. No machine or other rests (guiding means) that can return rifle to battery or which retard recoil will be allowed. (see sections II.H AND II.I).

- 2) Any change in the program must be posted in advance of the first relay of any match.
- 3) Rotation of a specified number of benches after each individual match shall be used at IBS Championship Tournaments. Some form of bench rotation will be used at Grand Aggregate Tournaments. The type of rotation will be at the discretion of the Host Club. Stationary backers will be used at all Grand Aggregate Tournaments.
- 4) In case of malfunction of the original rifle, a replacement rifle of the same class may be used. However, the competitor must complete the match in the time allotted.
- 5) Aggregate scores will be posted at the end of the last match of each tournament, and 30 minutes will be allowed for the latest protest(s) of any and/or all targets in that aggregate. An announcement shall be made informing all competitors when the scores are posted. If a competitor has a scoring protest, a fee of \$10 will be paid to the Match Director, and the protest will be reviewed by the referees assigned for that aggregate. If the results agree with the protestor, the \$10 will be refunded. If not, the \$10 will be turned over to the IBS, and the score ruling stands. All targets will remain available for inspection until the end of the protest period.
- 6) Coaching of new and young shooters is permitted but limited to the discretion of the Referees.
- 7) Firing more than one rifle of different classes is permitted. Only one rifle of each class may be fired and consider that LVS and HVS are separate since there are two records. This would eliminate the practice of individuals firing multiple HV or multiple LV or multiple VH or multiple HTR rifles.
- 8) Any special Range Rules are to be announced at time of registration (i.e., no guns on rests while target detail is on range, special firing times, etc.).

F) Scoring:

- 1) Any first shot on the target that goes anywhere but on the sighter can be called by notifying the Range Officer. He/she will inform the scorer and it will not be scored.
- 2) When shot placement cannot be determined by visual inspection, an IBS approved reticule will be the only device utilized using the outside diameter of the scribed mark per the caliber used to determine score based on best edge. The target shall be placed on a flat surface in a well illuminated area. The Scorer shall determine if the referees are needed to decide the shot placement. If the referees are utilized, the letters "RR" will be placed on the target square in question. If the Scorer can determine the proper score alone, the letter "R" will be placed on the target square which was scored.
- 3) When an identifiable crossfire occurs on another competitor's target, the low value or identifiable shot shall be transferred to the offender's target and a penalty of one point deducted. A competitor who shoots a crossfire must not fire on his or her own record bull. To do so may result in disqualification; if it is determined that this was an attempt to conceal a crossfire.
- 4) If no identifiable crossfire has occurred, an empty bull is scored as a "0" and is not a disqualification.
- 5) If there is more than one shot on a record bull, and no identifiable crossfire has occurred, the lowest shot on the bull will be scored.
- 6) Any shot that touches the sighter bounding box on a 100, 200 or 300 yard/meter score target is to be counted as a sighter shot.
- 7) Ties
 - f) Match Ties
 - (i) Match winners are to be decided by score, then score plus "x" count, then miss and out starting with bull number one and continuing through bull 5.
 - (ii) "Miss and OUT" is the dropping of an "X", 10, 9, etc.
 - (iii) If a match is still tied, it is broken by the "Miss and OUT" system of the next match.
 - (iv) In match 5 the yardage aggregate placing breaks a tie.

g) Aggregate Tie

To break a tie in the range aggregate, go to the first match and break the tie by score, then by score plus "X" count. If the tie still exists go to match 2, match 3, match 4, and match 5. If the tie is still not broken, use the "Miss and Out" system starting with bull number 1 on match 1 and proceed until the tie is broken.

h) Grand Aggregate Tie

To break a Grand Aggregate tie, go to the range aggregate of the first yardage completed. Use the highest score to break the tie. If tie is not broken, go to first match of first yardage completed and break tie by score and then by score plus "X" count. Then use match 2, 3, 4, and 5 if necessary. If this does not break the tie, proceed to the matches fired for the second aggregate. If this fails, return to match 1, bull 1 of the first yardage aggregate and use the "Miss and Out" system. Proceed until the tie is broken.

G) Shooter of the Year Awards:

The IBS Score Shooter of the Year program is to be administered by the IBS Score committee. It will include a Rookie award. Detailed rules for earning points will be developed annually by the Score Committee and will be communicated to the shooters prior to the beginning of a competitive year. The awards for the program will be determined by the committee on an annual basis.

VII. Long Range Competition Rules

A) IBS General Rules and Regulations:

- 1) All shooters shall shoot from designated benches. Shooting off-hand or from the prone position is not allowed.
- 2) No shooter may participate and/or shoot more than once in any scheduled match, even with different rifles. This rule may not apply in cases of the club sponsored special events, Shoot Offs, or competition in other classes.
- 3) Coaching will be allowed during the sighter time only. Exception: for safety and constructive purposes, new shooters may be assisted during their record string with permission from the range officer and for no more than two matches.
- 4) A sand bag is defined as a bag with or without a pedestal, with a leather or cloth cover, that is capable of being easily flexed by the fingers, and contains a dry finely divided nonmetallic substance such as, but not limited to, sand, gravel, or grain, without additive and packed loosely enough that bag can easily be deformed by pressure of the fingers. The cover of the sand bag must not be bound in such a manner to prohibit free movement of the contents. Lubricants such as talcum powder, Vaseline, or mica may be used on the bag for lubrication.
- 5) Spectators **MUST** remain **BEHIND THE DESIGNATED READY LINE**.
- 6) No mutilation or alteration of range facilities, (benches, target frames, etc.) by anyone is tolerated.
- 7) A front sand bag rest shall support the front part of a rifle: a rear sand bag rest shall support the rear part of a rifle: neither rest can be attached to the bench, the rifle, nor each other; they must be movable in all directions independently of the other. Any part of the rifle resting there on must maintain a minimum of one-half inch distance from any part of the retainer or container holding the sand bag on which the rifle rests. Whenever the rifle makes contact on its sides, there may be a maximum of sand one-half inch high and a minimum of one-half thick on each side. Sand bags on front rests must be a minimum of one and one-half inches wide by four inches long and rear rests sand bags must be a minimum of one and one-half inches wide by three inches long. No device of any kind can restrict the upward and/or rearward movement of the rifle. Any; sand bag used as a rest that is not supported by a retainer and that has movement without restraint need not comply with this rule.
- 8) Rests rest changes or recoil systems must comply with rule 4 and be shown to and approved by the rest committee and/or range officer before being used in competition. Rifles must rest on sand bags only; no multiple recoil ("return to battery") systems on front or rear rests are allowed.
- 9) Any equipment thought to be unsafe, harmful, destructive, or otherwise unpredictable will not be allowed on the range at any time. Examples, such as but not limited to, auto-loading weapons, tracers, incendiary projectiles, caliber larger than 40 caliber may not be used in an IBS sanctioned 1000 yard match.
- 10) Score and group sizes will be posted at a location near benches as the match progresses.
- 11) **DRINKING OF ALCOHOLIC BEVERAGES OF ANY KIND IS PROHIBITED ON RANGE PREMISES AT ANY TIME.**
- 12) Designation of shooting positions and relays shall be determined by individual clubs.
- 13) Once a relay is determined for a shooter and the time to shoot is designated, the competitor must be available to report to the firing line when the relay or shoot-off is called by the range officer.
- 14) Once a position is determined and assigned to a participant that shooter may not switch positions with another shooter, nor may benches be switched within a match.
- 15) It is the responsibility of the shooter to be either in the pits or at the bench **WHEN CALLED**. Pit duty will be posted on the bulletin board. Competitors who win a relay are also responsible for pit duty for the shoot-off even if the shooter chooses not to shoot in the shoot-off.
- 16) If a competitor does not wish to pull targets, **IT IS THE COMPETITOR'S RESPONSIBILITY TO PROVIDE A QUALIFIED SUBSTITUTE**. Roll call will be taken prior to each pit detail. **ANY ONE**

NOT FULFILLING HIS OR HER OBLIGATION OF PIT DUTY WILL BE DISQUALIFIED FOR SCORE, GROUP AND AGGREGATE FOR THE DAYS SHOOT.

- 17) All participants that are on pit duty must REMAIN ON THEIR ASSIGNED TARGET until released by the Benchrest range safety officer.
- 18) Range Alibis: The Range Officer will stop time for the affected shooter if a target blows down or there is some delay in the pits. If there is a range equipment failure, the shooter has the option to have the problem repaired and finish shooting after one sighter shot (if desired), or to shoot over the end of the relay.
- 19) No shooter's alibi will be permitted with the exception of Section VII.F.1.j which has to do with 11 shots on paper.
- 20) In case of a tie for any award in an individual match, winners are determined as follows:
 - a) In any case of a tie for score ,the number shots in the X ring will be totaled and the target with the most X's will determine the winner.
 - b) In the case of a tie for score and the X ring count, the smallest group will determine the winner.
 - c) If there is still a tie for score the target with the closest shot to the center of the target which is represented by the X in the center of the X ring, will determine the winner.
 - d) In the case of a tie for the smallest group, the higher score determines the winner.
 - e) In case of a tie for the smallest group, and score is also tied, the bullet nearest to the center of the bull's-eye determines the winner.
- 21) In case of any ties for group or score aggregates, the tie is broken by using the same six targets. Group ties are determined by score and score ties are determined by group size on those targets. If a tie exists, duplicate winners are recognized.
- 22) When a target is scored at the Target House, it is official. The only recourse being, that specified Board Members or designated match officials may give reconsideration to the shooter of said target providing a cash protest fee of \$ 10.00 is paid and the target in question is turned over to a Board Member or match official. The protest fee will be refunded if the ruling is in favor of the shooter. Protests must be initiated within one hour of the target's posting or before shoot-offs begin. Shoot-off targets must be protested before the Board of Directors or designated match officials leave the range.
- 23) **EMERGENCY CEASE FIRE:** When an Emergency Cease Fire is called all shooters on the firing line are to remain seated but may not touch their rifles and are to wait further instructions from the Range Officer. Applicable safety rules as outlined in section IV of the IBS Official Rules of Competition will be enforced in all IBS sanctioned 1000-yard benchrest matches.
- 24) A shooter may work as range officer, target crew, scorer or statistician but may not handle or score targets from the relay(s) in which he is a competitor.
- 25) Shooters are not allowed to be at the scoring table unless they are part of the scoring crew nor may shooters handle targets until after they are officially scored. Any shooter violating this rule will be subject to disqualification. This will apply to working shooters as described in section VII.A.24.
- 26) Clubs are not required to offer competition in both sanctioned classes. The clubs have the right to limit the number of classes a competitor can enter in a specific event.

B) Heavy Gun Class:

There are no restrictions for the rifle being used as to weight or sights; caliber is restricted to .40 or less. **Muzzle brakes are allowed.** Rifles are fired utilizing sand bag front rests which may be supported on a pedestal that does not co-act with the sand bag to restrict upward and/or rearward movement, and rear rests comprised of a sand bag which may be attached to a pedestal and that supports the rifle between the rear of the pistol grip and the toe of the butt stock.

C) Light Gun Class:

- 1) Guns shooting in the light gun class weigh no more than 17 pounds, including scope or other sighting devices.

- 2) The rear rest must not be mechanical in nature. Bunny ear type similar bags are acceptable.
- 3) Muzzle brakes may be used, but they may not be of a "clamshell" or any other design that exit gases to the rear.

D) Range Commands:

1) General Instructions

- a) At each tournament there will be a safety meeting prior to the first match of each day. All competitors are required to be at the safety meeting and they are to be away from their equipment, benches and are to be listening to the Range Officer or other club official that leads the safety meeting. Competitors not attending the safety meeting will not be allowed to compete. The leader of the meeting will read the following:

"REFEREES WILL SPOT CHECK AT THEIR DISCRETION RIFLE WEIGHT AND DIMENSIONS AND RESTS. AN OVERWEIGHT RIFLE, ONE OUTSIDE THE RULES DIMENSIONALLY, OR AN ILLEGAL REST, CONSTITUTES GROUNDS FOR DISQUALIFICATION. IF DURING THE MATCH A SITUATION ARISES WHICH SHALL REQUIRE A CESSATION OF FIRE, THE RANGE OFFICER SHALL COMMAND EITHER 'CEASE FIRE' OR 'EMERGENCY CESSATION OF FIRE'. ALL COMPETITORS ARE TO LEAVE THEIR RIFLES ALONE AND WAIT FOR FOLLOW-UP COMMANDS FROM THE RANGE OFFICER. ANY ROUNDS FIRED AFTER THE CESSATION OF FIRE WILL RESULT IN DISQUALIFICATION OF THE COMPETITOR FIRING. ONCE THE RANGE OFFICER HAS DETERMINED WHETHER OR NOT IT IS A SAFETY INTERRUPTION, SUCH AS A PERSON DOWNRANGE OR A PROCEDURAL INTERRUPTION, SUCH AS A LOOSE TARGET, THE RANGE OFFICER WILL GIVE FURTHER INSTRUCTIONS. THE PROCEDURAL CESSATION-OF-FIRE MAY ONLY BE CALLED IN THE SIGHTER PERIOD.⁴

IF IT IS A SAFETY INCIDENT, THAT IS AN 'EMERGENCY CESSATION OF FIRE', THEN ALL RIFLES ARE TO BE LEFT UNTOUCHED UNTIL THE RANGE OFFICER COMMANDS OTHERWISE. IF IT IS A PROCEDURAL INCIDENT, THE RANGE OFFICER CAN THEN COMMAND "CLEAR YOUR RIFLE BY FIRING OR BY OPENING THE BOLT" ALL BOLTS MUST BE OUT OF RIFLES AND THE "CLEAR THE BENCH" COMMAND MUST BE GIVEN PRIOR TO THE TARGET DETAIL ENTERING THE RANGE. ANY TIME LOST BY SUCH INTERRUPTION OF SHOOTING NOT GOVERNED BUT THE RULE BOOK SHALL NOT BE CHARGED AGAINST YOUR ALLOTTED TIME."

- b) All actions shall remain open and bolts to the rear of the action with no loaded cartridge on the loading ramp, or in the chamber, until the Range Officer gives the command of "COMMENCE FIRE" at the start of the sighter period.
- c) Bolts will be removed from all rifles during the course of a tournament, at all times, except between appropriate commands given by the Range Officer. Bolts are not to be placed in rifles in the loading area or any other area at the club except between the commands given by the range officer. If an individual has a problem and needs to check a trigger, shoulder bump back, or check a dummy, they will need to contact a referee who will direct them to a place that the bolt can be inserted into the rifle.
- d) If a cease-fire is called during the sighter period the remaining time will be dealt with per rule book in section F.1.k ("F. Long Range Competition 1000 Yard competition, 1) Course of Fire - Heavy Gun k., 'If a cease-fire...' ").
- e) In order for the Range Officer and/or Safety Officers to maintain safe control of the firing line, all competitors are to remain seated and quiet at their assigned bench until the "CLEAR THE BENCHES" command is given by the range officer.
- f) At this point the Range Officer will visually inspect the firing line, with help from appointed Safety Officers, as appropriate, who will signal the Range Officer that all bolts are out with

⁴ Governed by section VII.F.1.k Long Range Competition, 1000 Yard Competition on page 34.

thumbs up sign. The Range officer is in charge of the target detail and the target detail is not to enter the range until the range officer has given the command to "CLEAR THE BENCHES" and has given the target crew the command to go down range.

2) Range Commands for ranges without pits:

- a) Immediately prior to the beginning of a relay the Range Officer will announce to the competitors:

"THIS IS LG OR HG MATCH NUMBER ___RELAY NUMBER ___YOU WILL BE ALLOWED ___MINUTES TO COMPLETE YOUR SIGHTER PERIOD FOLLOWED BY 10 MINUTES FOR YOUR RECORD TARGET. AFTER THE CEASE -FIRE COMMAND AT THE END OF THE_____SIGHTER PERIOD AND BEFORE THE COMMENCE FIRE COMMAND FOR THE 10 MIN RECORD PERIOD YOU ARE NOT ALLOWED TO HAVE A LOADED ROUND IN YOUR RIFLE ACTION OR CHAMBER. DURING THE SIGHTER AND RECORD PERIODS YOU WILL BE GIVEN TIME WARNINGS FOR 3 MIN, 2 MIN, 1 MIN, 30 SECS, 15SECS, AND CEASE FIRE."

The Range Officer will then give the following commands in the following sequence:

START OF SIGHTER PERIOD -"READY ON THE RIGHT, READY ON THE LEFT, INSERT BOLTS, COMMENCE FIRING."

END OF SIGHTER PERIOD/START OF RECORD PERIOD - "CEASE FIRE, THIS ENDS YOUR SIGHTER PERIOD, ALL SPOTTERS AND NON-SHOOTERS OFF THE FIRING LINE, COMMENCE FIRE."

END OF RECORD PERIOD - "CEASE FIRE, THIS ENDS YOUR RECORD PERIOD, REMOVE YOUR BOLTS, AND REMAIN SEATED, SHOW YOUR BOLTS BY RAISING THEM OVER YOUR HEAD."

ONCE THE RANGE OFFICER CONFIRMS THAT THE LINE IS SAFE, HE/ SHE SHALL COMMAND: "CLEAR THE BENCHES."

- b) At this point the Range Officer will visually inspect the firing line, with help from appointed Safety Officers, as appropriate, who will signal the Range Officer that all bolts are out with thumbs up sign. The Range officer is in charge of the target detail and the target detail is not to enter the range until the range officer has given the command to "CLEAR THE BENCHES" and has given the target crew the command to go down range.

E) Awards

1) Regularly Scheduled Matches

- a) 1000 yard
3" Patches - "IBS 1000 Yard Winner" per scheduled match per scheduled Class. (One patch for Score and one for Group per class)
- b) 600 yard
3" Patches per classes contested. (One for Score and one for group) - "600 Yard Agg Winner"

2) National Championship Matches

- a) Top 20 Aggregate Winners (3" Patches)
- (i) (19) LG 1000yd Group
 - (ii) (19) LG 1000yd Score
 - (iii) (19) HG 1000yd Group
 - (iv) (19) HG 1000yd Score
 - (v) (19) LG Overall Championship
 - (vi) (19) HG Overall Championship
 - (vii) (19) 2 Gun Overall Championship
- b) Class Winners (5" Patches)

- (i) (1) LG 1000yd Group
- (ii) (1) LG 1000yd Score
- (iii) (1) HG 1000yd Group
- (iv) (1) HG 1000yd Score
- c) Aggregate Winners (5" Patches)
 - (i) (1) LG 1000yd Overall Champion
 - (ii) (1) HG 1000yd Overall Champion
 - (iii) (1) 1000yd 2 Gun Overall Champion
 - (iv) (1) 1000yd Junior Overall Champion
 - (v) (1) 1000yd Female Overall Champion
- d) Keeper Plaques
 - (i) Light Gun Championship
 - (a) (1) 1000yd Group Champion
 - (b) (1) 1000yd Score Champion
 - (c) (1) 1000yd Overall Champion
 - (ii) Heavy Gun Championship
 - (a) (1) 1000yd Group Champion
 - (b) (1) 1000yd Score Champion
 - (c) (1) 1000yd Overall Champion
- (iii) 2 Gun Overall Championship
 - (1) 1000yd Overall Champion
- b) Relay Winner Pins (Blue/White IBS Pins)
Quantity is variable per participation (2 pins given out per relay shot)

F) 1000 Yard Competition

1) Course of Fire – Heavy Gun

- a) A relay shall consist of a one, two, or three target aggregate, number of targets to be shot for a relay will be determined by the individual Clubs, and submitted with their Match contract and approved by the IBS Match Schedule Chairman before the start of their season. Competitors will be assigned to relays by the respective Clubs holding the Match. The shooters will shoot against the same shooters for each of the targets to be included in the aggregate relay. Points awarded under the individual Long Range Marksman and Shooter of the Year programs would be the same regardless of the number of targets shot in a relay. Six and Ten Match aggregates for IBS records would be based solely on the first target shot during that relay. Group size and score winners from each relay will compete in respective Shoot-Offs to determine the overall match winners. If a competitor has both the smallest group and highest score in a relay, the smallest group will take precedent, and the competitor with the next highest score will advance to the score Shoot Off.
- b) In the event that any two or more competitors using the same rifle or equipment qualify to participate in the same Shoot Off, it is the sole responsibility of the competitor to provide the necessary equipment to participate when the Shoot-Off and its scheduled competitors are called to the firing line.
- c) All shooters have six minutes to shoot an unlimited number of sighter shots, which are individually spotted. At the end of this allotted time and at the command of the Range Officer, all shooters must fire their ten shots for record within a ten-minute limit. If for some reason a period of more than one minute elapses between the end of the sighters and the commence fire, an additional minute is allowed for an additional sighter shot. At the command of the Range Officer to "COMMENCE FIRE", the allotted time for both sighter shots and record string, in sequence, begins.
- d) All 10 shots for measured group and score must be on the target to qualify for awards. When a competitor has the smallest group and the highest score, he/she must take the smallest group for the shoot-off competition.
- e) If 11 shots appear on one target and 9 shots on another, the shooter with 9 shots is automatically disqualified. If the difference in caliber size can be determined or the group placement is obviously located such as the 9 shots are up in the right hand corner and the shooter with 11 shots has 10 shots the lower left hand corner and the 11th shot is up in the right hand corner, then the Pit Chairman or, if no pits then the Head Scorer, must decide whether or not the 11th shot belongs to the target with only nine shots in it; if yes, then the extra shot is disregarded on the target with 11 shots. In case no decision can be made by the Pit Chairman or Head Scorer, the shooter with 11 shots has the choice of accepting the group for 11 shots and the score which omits the best scoring shot or to shoot over. The shooter is not notified of the size of the 11 shot group nor his total score until after he or she has made his/her choice. If the shooter elects to re-fire the record string, they will reshoot in the soonest available relay.
- f) Less than 10 shot groups: there must be ten verifiable shots on a record target. Any group that appears to have less than ten shots must be reviewed by the Pit Officer and the assigned target puller(s) or if no pits, then the Head Scorer at the scoring shed/place, for verifiable duplicate shots BEFORE THE TARGET IS REMOVED. Their decision is final. The target in question must be signed and the total number of shots noted by the pit officer and assigned target puller(s). Targets in question may be reviewed by a club's Board of Directors or match officials at the request of the pit chairman or if no pits, then the Head Scorer.
- g) In the event the Pit Chairman or, if no pits then the Head Scorer, cannot determine the 11th Shot and the shooter chooses to accept the target as per Section VII.F.1.e above, the group size will be determined by measuring the terminal distance between the two most distant bullet holes in the target. Any bullet holes in excess of the 10 required shots will be disregarded as per the following procedure: any disqualified bullet hole or holes will not be one of the above mentioned terminal

bullet holes used for the group measurement. Remaining bullet holes that must be disregarded shall be eliminated in the order of those possessing the highest score value.

- h) Shoot-off targets must be protested before the Board of Directors or designated match officials leave the range.
 - i) Anyone shooting more than 10 shots on their record string is disqualified immediately and removed from the firing line.
 - j) If a shooter has 11 shots on his/her target and all the other targets have 10 shots, the shooter with 11 shots will be entitled to shoot over, unless he or she deliberately shot 11 shots.
 - k) If a cease-fire is called during the sighter period, the Range Master (RM) will stop the clock immediately to fix the problem. If the time left is greater than 2 minutes, then the clock will resume from that time without rounding. If the time left is less than 2 minutes, it rounds back to 2 minutes.
 - (i) Ranges that do not have pits/target pullers, the clock will not be stopped after the official range clock reaches 15 seconds remaining in the sighter period and you will go directly into the 10-minute record period per normal procedures. The only exception is a safety issue in which an emergency cease-fire is called.
 - (ii) If a shooter is unable to complete the sighter period due to the non-stoppage of the range clock because of (but not limited to) a target coming down, a sighter round through the record target, etc., they should notify a match official immediately. The rest of the relay will continue and fire their record rounds. When all other competitors have completed firing their record rounds, the RM will call for the target crew to fix the issue the shooter has pointed out to match officials. Then that shooter will have 1 minute for an additional sighter round and go directly into your 10-minute record period per section VII.F.1.c.
- 2) Course of Fire – Light Gun

The number of shots for the record string is five: sequence and time for shooting sighters and the record string are the same for the Heavy Gun Class. All references in section VII.F.1 above to 9, 10 and 11 shots shall mean 4, 5 and 6 shots for the Light Gun course of fire.

3) Course of Fire – IBS Nationals

- a) The 1000 Yard Nationals will be fired using an aggregate format of a least 2 targets per class (Light Gun and Heavy Gun) with the option to add additional targets if the club determines they can complete the match with additional time needed based on available range facilities. The course of fire to be used for any given year will be decided when the Championships are awarded to the hosting club at the IBS Annual Meeting. The format of the Championships will be clearly stated in all advertising for the Championships so that competitors have a clear understanding of the format that will be used each year.
- b) The aggregate format will be run in the following manner:
 - (i) All targets fired per class will be averaged together to determine group aggregate ranking (actual score agg is tie-breaker) and for a score aggregate ranking (actual group aggregate is tiebreaker). The shooters will be given a ranking based on the group and score rankings by sorting from smallest to largest group and highest to smallest score. Then your four ranking numbers will be added together to give you an overall ranking per class to determine the class overall winners. This ranking will be sorted in ascending order. Ties will be broken in the same manner as written above. (*See example below*)
 - (ii) The overall 2 Gun Ranking will be determined by adding all 4 individual group and score categories with ties broken by the same manner above. (*See example below*)

Example:

LG Group LG Score HG Group HG Score

- 1) Joe Smith-6.000 1) Tom Hill-45.5 1) Joe Smith-7.500 1) Tom Hill-96
- 2) Bob Jones-7.000 2) Bob Jones-45.0 2) Tom Hill-8.000 2) Joe Smith-95

3) Tom Hill-7.500 3) Joe Smith-44.5 3) Bob Jones-8.000 3) Bob Jones-95

LG Overall Aggregate HG Overall Aggregate

1) Joe Smith-4 (1+3) 1) Bob Jones-5 (3+3)

2) Bob Jones-4 (2+2) 2) Joe Smith-3 (1+2) tie < broken because of smaller group rank>

3) Tom Hill-4 (3+1) 3) Tom Hill-3 (2+1) tie < broken because of larger group rank>

Overall Aggregate Ranking

1) Joe Smith-7 (1+3+1+2) tie <group agg of $(6.0+7.5)/2=6.750$ >

2) Tom Hill-7 (3+1+2+1) tie <group agg of $(7.5+8.0)/2=7.75$ >

3) Bob Jones-10 (2+2+3+3)

4) Targets and Records

- a) Target used in sanctioned matches are designated by the IBS 1000 Yard Long Range Committee and approved by the IBS Executive Board.
- b) Only records shot by IBS members or card-carrying affiliates in IBS sanctioned 1000-yard benchrest matches will be recognized.
- c) The IBS recognizes the following World Records: Official recording of match results to begin in the 1995 season. IBS records in the following categories will be based on match results during the entire season.

(i) Heavy Gun Class

- (a) Smallest 10 Shot Group
- (b) Highest 10 Shot Score
- (c) Smallest 6 match Group aggregate
- (d) Smallest 10 match Group aggregate
- (e) Highest 6 match Score aggregate
- (f) Highest 10 match Score aggregate

(ii) Light Gun Class

- (a) Smallest 5 shot Group
- (b) Highest 5 shot Score
- (c) Smallest 6 match Group aggregate
- (d) Smallest 10 match Group aggregate
- (e) Highest 6 match Score aggregate
- (f) Highest 10 match Score aggregate

2) IBS Awards and Recognition - IBS sanctioned 1000 yard competition only.

- a) IBS 1000 yard shooter of the Year program and points will be determined by the Long range Committee on an annual basis.
 - (i) In case of a tie for the SOTY points the winners are determined using the following criteria: #1-Total number of shoot-off wins, #2-Number of relay wins, #3-Season group aggregate, #4-Season score aggregate
 - (ii) If a shooter elects to become an IBS member it must be done before the match registration time closes in order to receive shooter of the year points and be able to advance to the shoot-offs for that match. If a shooter elects not to become an IBS member they can still shoot. The club should make an honest attempt to explain the process about not being able to advance to the shoot-offs and not earning points to avoid any issues later on. **For the IBS National Championships a shooter may present a current Williamsport membership card to shoot and participate in the event, win Shooter of the Year and Long Range Marksman points and any other honors that the shooter may earn.**

- b) IBS Record Set
 - (i) Group Record 4 points
 - (ii) Score Record 4 points
 - (iii) Aggregate Record 4 points
- 3) National Events and Special Shoots
 - a) A National Championship is held annually at a designated IBS 1000-yard range. The site is rotated among IBS 1000-yard benchrest clubs.
 - b) Super shoots, State Championships, and the Nationals may be sanctioned IBS tournaments, but results are usually not considered in determining individual club aggregate winners.
 - c) All Light Guns will be weighed at National Championships. The host club will insure that all Light Gun participants weigh their Light Gun at the completion of their first Light Gun relay of fire.
 - d) For the National Championships and State tournaments, an odd number of referees (either three or no more than five) will be selected from all the participating clubs. No more than one referee will be from the same club.
- 4) Long Range Marksman Awards and Recognition - IBS sanctioned 1000-yard competition only.
 - a) IBS 1000 Yard Long Range Marksman awards will be based solely on points accumulated in 1000-yard registered IBS Benchrest matches.
 - (i) IBS registered match must have 2 or more competitors.
 - (ii) The total number of shooters in a class will be divided as evenly as possible into relays.
 - (iii) In the case where there is only one relay, the winner of that relay must shoot another target that would be scored as there shoot off target.
 - (iv) It is the responsibility of the individual 1000 yard clubs to submit a schedule of points awarded to each shooter (relay and match) per match to the Long Range committee which will designate one individual to be *Keeper of the Points* who will submit a report to all shooters of the results periodically during the year.
 - (v) Class relay winners .05 points for every IBS shooter in the relay.
 - (vi) Class shoot-off winner .03 points for every IBS competitor in the class.
 - (vii) IBS National Championship
 - (a) Two gun
 - (1) 1st place .03 points per IBS shooter registered
 - (2) 2nd place .02 points per IBS registered
 - (3) 3rd – 5th place .01 point per IBS shooter registered
 - (b) Overall light and heavy gun classes
 - (1) 1st place .025 points per IBS shooter registered
 - (2) 2nd place .015 points per IBS shooter registered
 - (3) 3rd – 5th place .01 point per IBS shooter registered
 - (c) Individual classes (light/heavy score and group)
 - (1) 1st place .025 points per IBS shooter registered
 - (2) 2nd place .015 points per IBS shooter registered
 - (3) 3rd – 5th place .01 point per IBS shooter registered.
 - (d) IBS records
 - (1) Group or score - 4 points
 - (2) Aggregate records – 4 points

- b) Six and ten match aggregate records will be based solely on the first 10 IBS sanctioned matches of the year per club (relay targets only).
- c) There is no limit as to the number of clubs a shooter may accumulate LRM points during the year.
- d) The Long Range Marksman Awards will be as follows:
 - (i) 30 LRM points – Bronze - shooter is awarded a Jacket.
 - (ii) 60 LRM points – Silver - Shooter is awarded a Silver logo and a plaque
 - (iii) 100 LRM points – Gold – Shooter is awarded a Gold logo and a plaque
 - (iv) 130 LRM points – a Star is added to the Bronze logo on jacket and bar added to Gold LRM plaque
 - (v) 160 LRM points – a Star is added to the Silver logo on jacket and bar added to Gold LRM plaque
 - (vi) 190 LRM points – a Star is added to the Gold logo on jacket and bar added to Gold LRM plaque
 - (vii) 200 LRM points – Platinum logo and a plaque

G) 600 Yard Competition – Course of Fire:

- 1) This is an aggregate match with four targets combined for group average and total score. **Groups** will be added together and divided by 4 for average group size. Score will be computed by adding the value of the scoring rings containing bullet holes. For example: a perfect score for one target would be fifty (50) points and a perfect match score would be two hundred (200) points.
- 2) All shooters will have a 6-minute sight in period for the first target and 2 minutes for each successive target. Shooters are permitted unlimited number of sighter shots during the sight in period. At the end of the sight in period shooters will have 10 minutes to fire their 5 record shots.
 - a) Clubs with pits have the following option: At this time a second record target will be hung. On the command of the range officer you will have one (1) minute to fire a sighter and have it spotted. At the end of this allotted time and at the command of the Range Officer all shooters must fire their second five (5) shots for record. After two (2) targets are completed all equipment will be removed from the benches and the succeeding relays will shoot two (2) targets each. Each two-target string will commence with a six (6) minute sighter period as described for the first.
- 3) If for some reason a period of more than one minute elapses between the end of the sighters and the commence fire, an additional one minute is allowed for an additional sighter shot. At the command of the Range Officer to "Commence Firing", the allotted time for both sighter shots and record string, in sequence, begins.
- 4) There must be five (5) verifiable shots on a record target. The Range Official and the target puller must review any target that appears to have less than five (5) shots for duplicate shots before it is removed from the frame. Their decision is final. The target in question must be signed and the total number of shots noted by the pit officer and the target puller. Targets in question may be reviewed by the match officials at the request of the Range Official.
- 5) Anyone shooting more than five (5) shots on their record target will be disqualified. If 6 shots appear on one target and 4 on another the shooter with 4 shots will be immediately disqualified. If the difference in caliber size can be determined or the group placement is obviously away from the 6th shot the pit chairman must decide whether the 6th shot belongs to the target with only 4 shots. If the determination is yes then the extra shot is discarded. In case no decision can be made by the pit chairman the shooter with 6 shots has the choice of accepting the target or shooting over. The shooter is not notified of the group size or score until after he/she has made a choice. If the shooter elects to re-fire they will re-fire before the next scheduled relay begins.
- 6) In the event the Range Official cannot determine the 6th Shot and the shooter chooses to accept the target, the group size will be determined by measuring the terminal distance between the two most distant bullet holes in the target. Any bullet holes in excess of the 5 required shots will be disregarded as per the following procedure: any disqualified bullet hole or holes will not be one of the above mentioned terminal bullet holes used for the group measurement. Remaining bullet holes that must be disregarded shall be eliminated in the order of those possessing the highest score value to lowest value.
- 7) Target and Record
 - a) The Official Target shall be the Official 1000 yd target with the scoring rings reduced 60%. The aiming square would reduce by 40% (same size as currently used) to maintain the same sight picture as if shooting at a 1000 yd target. Overall target size (paper) would remain the same.⁵

⁵ 600-yard score records shot on the 1000-yard size target were retired at the end of the 2006 season. Also ended was the practice of adding an extra point for an X; ties are broken by smallest group size. Potential score records were submitted during the 2007 season and new records established at the end of that season, as was done in the 2004 season.

- b) Only records shot by IBS members or card-carrying affiliates in IBS sanctioned 1000-yard benchrest matches will be recognized.
- c) Record targets must be initialed as legitimate and correct by the individual club's Board of Directors or the designated match officials at the shoot. The club target chairman must submit the record target to the chairman of the Appropriate Records Committee for verification and posting.
- d) Backers: During the 2003/2004 seasons various forms of shot verification (i.e. backers) will be tried to determine a style appropriate for this class of competition. Beginning with the 2005 season and permanently thereafter the approved style backer will be mandatory at all registered matches.
- e) The IBS recognizes the following World Records:
 - (i) Official recording of match results to begin in the 2003 season. The smallest group and highest scores recorded prior to 1/1/05 shall be adopted as the standing IBS world records.
 - (ii) IBS records in the following categories will be based on match results during the entire season.
 - (a) Heavy Gun Class
 - (1) Smallest 5 Shot Group
 - (2) Highest 5 Shot Score
 - (3) Highest 4 Target Match Aggregate
 - (4) Smallest 4 Match Group Aggregate
 - (b) Light Gun Class
 - (1) Smallest 5 Shot Group
 - (2) Highest 5 Shot Score
 - (3) Highest 4 Target Match Aggregate
 - (4) Smallest 4 Match Group Aggregate
 - (c) Grand Aggregate
 - (1) Smallest 2-Gun LG/HG Group Grand Aggregate
 - (2) Highest 2-Gun LG/HG Score Grand Aggregate
- 8) 600 Yard Shooter of the Year honors will be based solely on points accumulated in sanctioned IBS 600 yard benchrest matches. The IBS 600 yd shooter of the year program is to be administered by the IBS long-range committee. Detailed rules for earning points will be developed annually by the Long-range committee and will be communicated to the shooters prior to the beginning of a competitive year. The awards for the program will be determined by the committee on an annual basis.
- 9) 600 Yard Precision Rifleman Award
 - a) Long Range Precision Rifleman points will be earned and awards given as described in section III.T.4 "Precision Rifleman/Woman".
- 10) Specific Club Rule
 - a) Prizes and awards for club sponsored matches are determined by the individual IBS 600 yard Benchrest clubs.
 - b) Club membership may be required for participation in annual club aggregates.
 - c) Individual IBS 600 yard Benchrest clubs have responsibility for determination of shooting positions and assignment of shooters to relays.
- 11) The IBS 600 yard National Championship will be fired using an aggregate format of 8 targets per class. (Light Gun and Heavy Gun).

- a) The course of fire and dates will be established when the National Championship is awarded at the IBS annual meeting.
- b) The dates and other pertinent information will be advertised on the IBS webpage, Precision Shooting Magazine and in any other advertising that the club chooses. Advertisements will be done in a timely manner as per IBS rules pertaining to National Championships.
- c) Aggregates to be fired at the Championships are:
 - (i) Light Gun group
 - (ii) Light Gun score
 - (iii) Light Gun overall aggregate
 - (iv) Heavy Gun group
 - (v) Heavy Gun score
 - (vi) Heavy Gun overall aggregate
 - (vii) 2-Gun overall aggregate
- d) Aggregates for Light Gun, Heavy Gun-group and score will be calculated by an average based on the 8 targets fired and ranked accordingly. The Light gun and Heavy gun overall aggregates will be calculated based on the sum of the shooters ranking in the individual aggregates. The lowest total is awarded the National Championship.

Example:

2nd place Light gun group and 10th place Light gun score equals a total of 12 and ranked accordingly. The 2 gun overall champion will be based on the sum of the shooters placement in each of the 4 individual aggregates in Light gun and Heavy Gun.

Example:

22nd place light gun score, 8th place light gun group, 32nd place heavy gun group and 5th place heavy gun score equals a total of 67 and ranked accordingly.

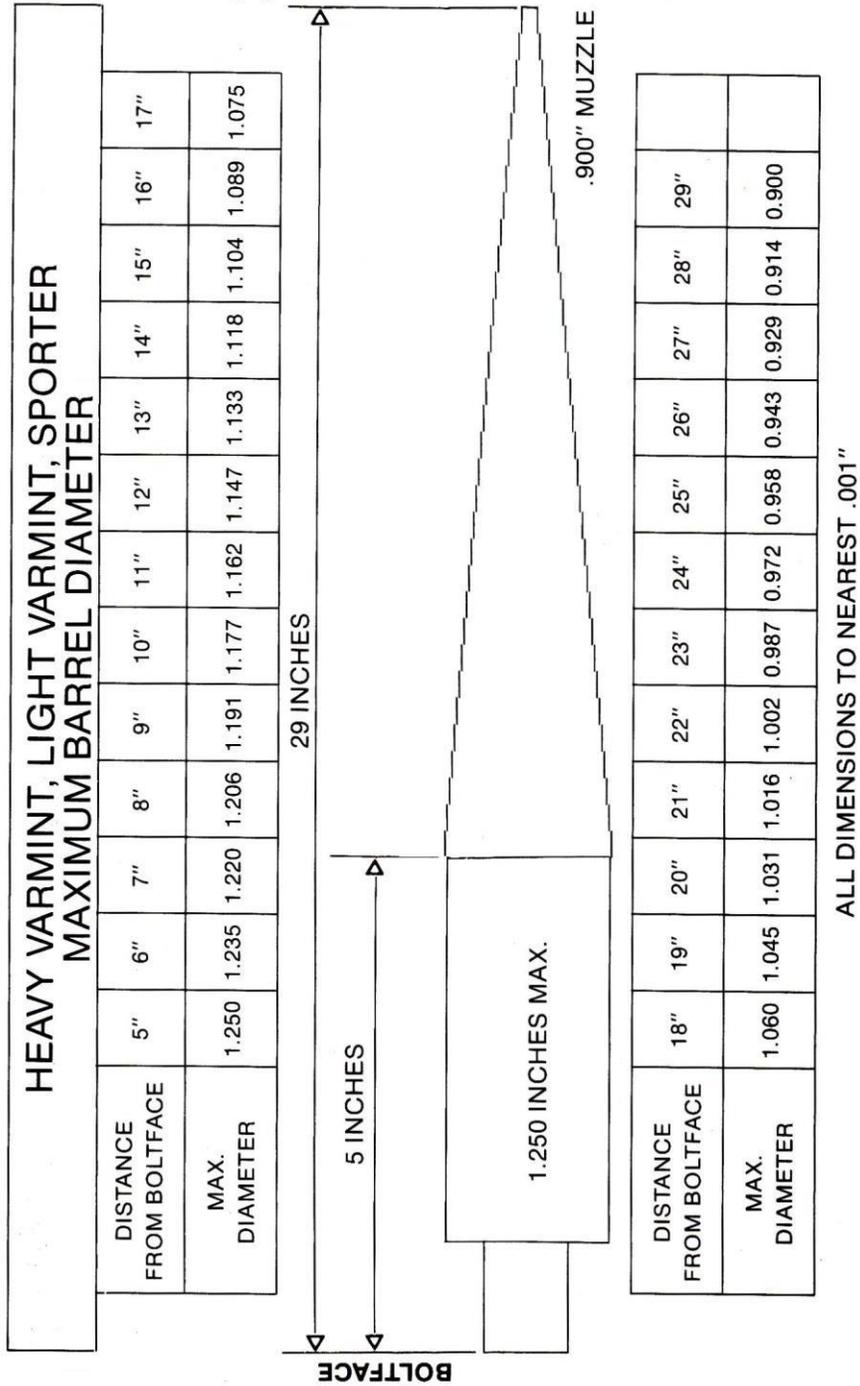
- e) 600 Yard National Championship awards:

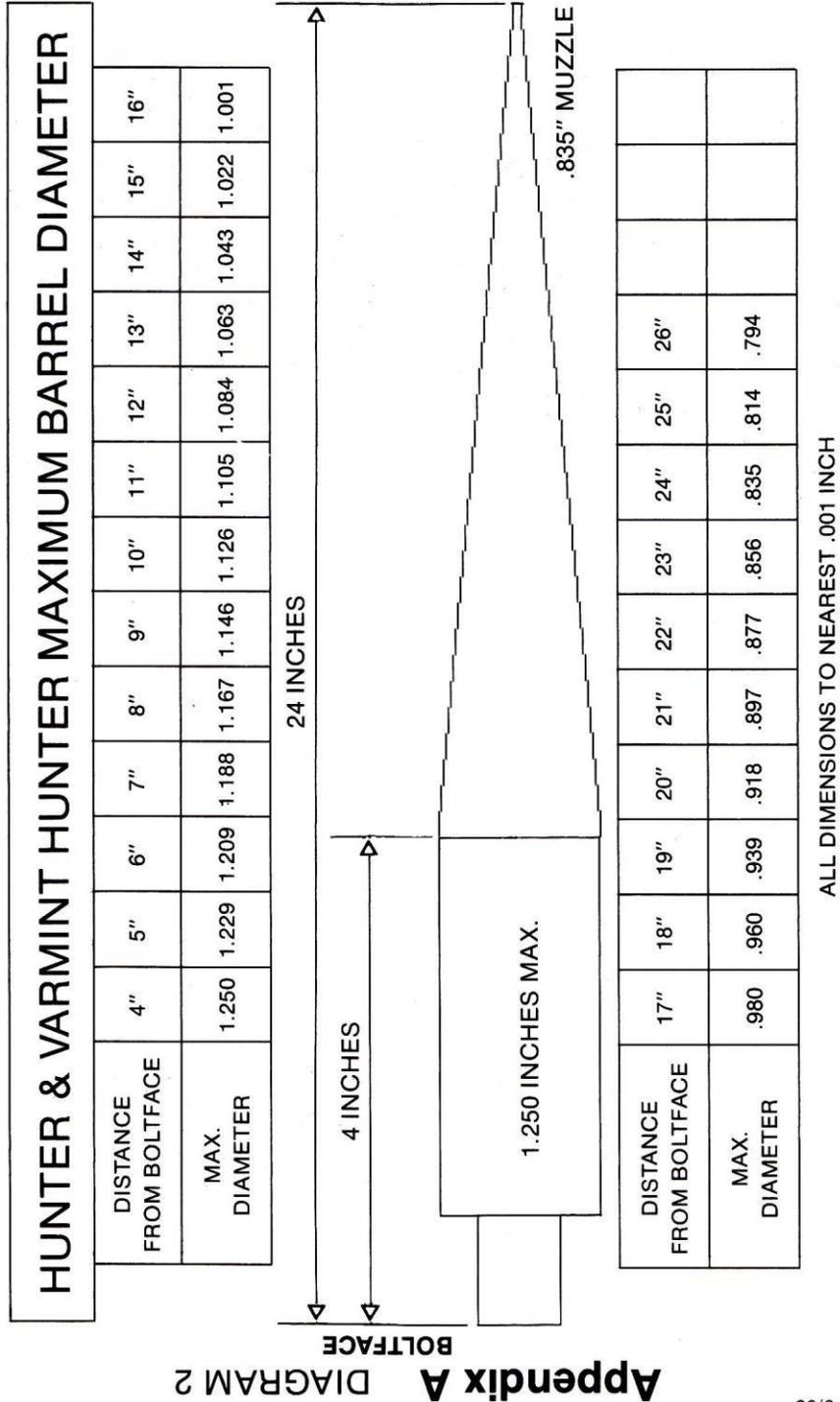
Minimum: Top 10 patches to be given for each aggregate, 2nd-10th place a 3" patch and 1st place a 5" patch The IBS will review attendance and determine when and if top 20 patches are appropriate. The host club will furnish a minimum of five trophies for 1st-5th place for each aggregate fired.
- f) World Record eligibility at 600-yard National championships:

Only single targets in each class, for score and group, will be recognized for world records.

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Appendix A DIAGRAM 1



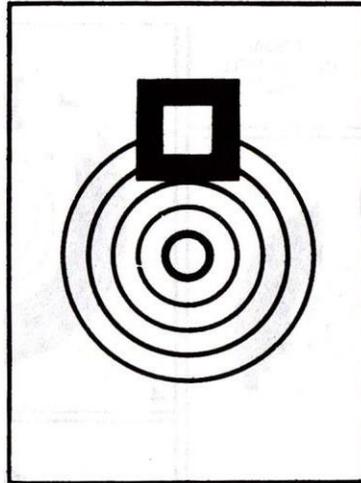


Appendix A
DIAGRAM 2

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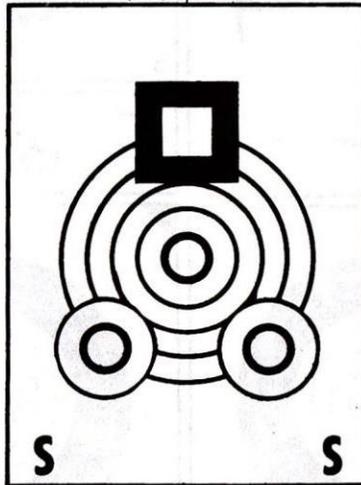
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Appendix B DIAGRAM 1 — GROUP TARGET



301

HV-W4.



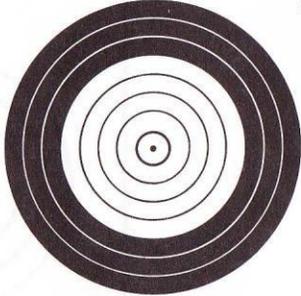
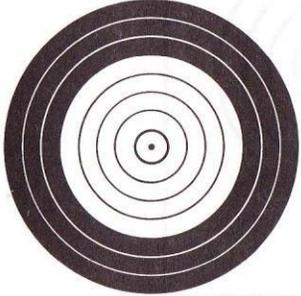
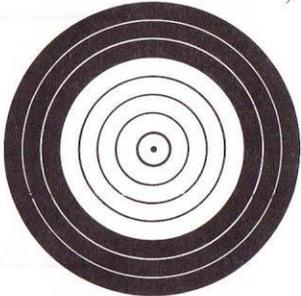
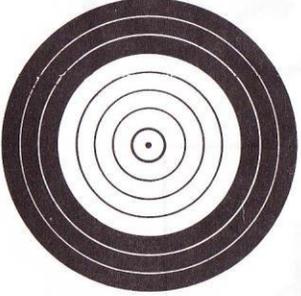
SPEEDWELL

OFFICIAL 100 YD. BENCH REST TARGET

I.B.S.  BENCH _____ DATE _____
 COMP _____ GROUP _____
 RELAY _____ SCORE _____
 MATCH No. _____

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Appendix B DIAGRAM 2 — SCORE TARGET

<p>I. B. S. OFFICIAL HUNTER RIFLE TARGET</p>	
	
	<p>Bench _____ Date _____ Relay 5 Comp. _____ Match _____ Score 224</p>
	<p>50-5</p> 