

PPC - How Lewis Class Works for Our Matches

Introduction

The Lewis Classification System (Lewis Class) is a method for distributing prize money across a whole field of shooters, and not just to the best shooters who come out at the top in a match. Lewis Class gives all shooters a chance at winning some money, regardless of their skill level.

There is no "one size fits all" way to do it, and Match Directors must pre-determine how they want to do it, and set the rules to be followed in advance of holding a match. It can get confusing, so it's important to have the rules and procedures to be followed in writing for handy reference.

Using test data, the spreadsheet below provides an example to illustrate how we determine Lewis Classes and Place Awards for the PPC Matches held at HH&A. Lewis Class Payout Calculators are used to determine the payouts, making the process consistent, fast, and easy.

Gun Classes

There are 5 Gun Classes in our matches.

Each Gun Class is handled separately for awards.

We use the rules below to determine Lewis Classes and Place Awards.

In this example, all shooters are in the Stock Semi Auto Pistol Class.

The same rules would be used to determine classes and awards for the shooters in other Gun Classes.

Number of Paid Shooters

We have 56 paid shooters shown, ranked in descending order by Score and X-count.

Lewis Class Rules

For up to 1-10 shooters - Establish 1 Lewis Class - A

For 11-20 shooters - Establish 2 Lewis Classes - A, B

For 21-30 shooters - Establish 3 Lewis Classes - A, B, C

For 31-40 shooters - Establish 4 Lewis Classes - A, B, C, D

For 41-50 shooters - Establish 5 Lewis Classes - A, B, C, D, E

For 51-60 shooters - Establish 6 Lewis Classes - A, B, C, D, E, F

Since we have 56 shooters, we need to establish 6 Lewis Classes.

Divide 56 shooters by 6 to create groups for Lewis Classes A through F.

Since we have an odd number of shooters, the remainder goes into the last group (Lewis Class F).

Lewis Classes A through E contain 9 shooters. Lewis Class F contains 11.

Place Award Rules

1st, 2nd, and 3rd Place Awards normally go to the top 3 Shooters in each Lewis Class using a

50/30/20% split of their allocated Payout Pot.

Sometimes there are ineligible shooters (who can't win a 2nd or 3rd award in the same Lewis Class), or there might be tie scores to consider.

In situations involving ineligible shooters, the award passes down to the next eligible shooter within the same Lewis Class.

In tie score situations, the X-count is the tie-breaker. However, ties can still exist, and we will use rules in Section 15.3 of the NRA PPC Rulebook to break them.

15.3 Breaking Ties: When 2 or more competitors or teams have the same numerical score, tie scores will be ranked in the following order:

- a. By the greatest number of X's in that match.
- b. By the fewest misses in that match.
- c. By the fewest number of shots of the lowest value in that match.
- d. By the fewest number of shots of the next lower value in that match.

Tie scores are ranked in order by the last name (or in this example, the initial of the first name).

When breaking ties using Section 15.3, the sequence of Place Awards granted may differ depending on who won the tie-breaker.

Sometimes a particular Gun Class may not have many shooters in it (e.g., Off Duty). If so, it may only have Lewis Class A established. If only 2 eligible shooters exist, only 1st and 2nd Places are awarded using a 60/40% split of the money in the allocated Payout Pot. If only 1 eligible shooter exists, only 1st Place is awarded using 100% of the allocated Payout Pot.

We have set up some examples below to illustrate how ineligible shooters and ties are handled when determining Place Awards. See Comments for explanations.

Awards

A minimum of 50% of entry fees received will be paid back to the shooters as cash awards.

The Place Award amounts are determined separately using our Lewis Class Payout Calculator, which is programmed with agreed-upon formulas to establish payout pots, and provide fair and balanced distribution of awards across all Lewis Classes.

Cash awards are rounded to the nearest dollar to avoid using coins.

Certificates of Achievement are awarded to anyone who shoots a 600 score in a Combat 600 match (600 Club), or a 500 score in an Off Duty match (500 Club), and for anyone who breaks or ties a Standing Record in any Gun Class.

Standing Records will be maintained for any High Individual scoring records set or tied in each Gun Class.

PPC Match - Test Results

Lewis Classes 1-10-19-28-37-46

Stock Service Semi Auto Class - 56 Paid Shooters @ \$5 ea

	Shooter	Class	Score	X	Place	Award	Comments	
1	1	Jason S	S/A	599	47	A-1	18	Here we have normal Payouts for 1st, 2nd and 3rd Places. No issues present.
2	2	Marty J	S/A	593	42	A-2	11	
3	3	Mike C	S/A	590	32	A-3	7	

4	4	Jason S	S/A	585	30				Scoring record with his 599-47, will be added to the Standing Records, and will get a Certificate of Achievement.
5	5	Mike K	S/A	581	26				
6	6	Rick W	S/A	580	26				
7	7	Tom Z	S/A	578	32				
8	8	David K	S/A	577	30				
9	9	John P	S/A	576	32				
10	1	Marty R	S/A	575	37	B-1	11		In this example, Marty is ineligible for a 2nd award in the same Lewis Class.
11	2	George M	S/A	575	30	B-2	6		
12	3	Marty R	S/A	574	29				The B-3 award moves down to John, the next eligible shooter.
13	4	John P	S/A	573	29	B-3	4		
14	5	Sue H	S/A	571	24				
15	6	Eric P	S/A	568	25				
16	7	James D	S/A	565	30				
17	8	Tom Z	S/A	563	32				
18	9	Kevin M	S/A	562	23				
19	1	Sue M	S/A	561	24	C-1	11		Here we have a 2-way tie for C-1.
20	2	Tom R	S/A	561	24	C-2	6		The tie is broken using Section 15.3 of the NRA PPC Rulebook. Sue had the fewest number of shots of the lowest value in that Match, so she gets C-1.
21	3	Dave F	S/A	556	19	C-3	4		
22	4	Dick R	S/A	551	19				The C-2 and C-3 awards go to Tom and Dave.
23	5	Sue H	S/A	550	21				
24	6	George M	S/A	549	22				
25	7	Mark E	S/A	546	20				
26	8	Norm A	S/A	542	19				
27	9	Dave K	S/A	542	19				
28	1	George M	S/A	542	19				Here we have a 3-way tie crossing the Lewis Class dividing line.
29	2	Norm T	S/A	542	14	D-1	11		
30	3	Dave C	S/A	537	31	D-2	6		George will be moved up to the higher C Class where the majority of the tie scores appear.
31	4	George M	S/A	535	28	D-3	4		George gets no award.
32	5	Rick W	S/A	531	24				The D Class awards will move down to Norm, Dave, and George, the next eligible shooters.
33	6	Dave H	S/A	530	24				
34	7	Lane P	S/A	529	20				
35	8	Sue H	S/A	528	20				
36	9	Frank R	S/A	527	19	E-1	11		
37	1	Dick S	S/A	527	19	E-2	6		Here we have another 3-way tie crossing the Lewis Class dividing line.
38	2	Ken W	S/A	527	19	E-3	4		
39	3	Jim L	S/A	525	17				Frank will be moved down to the lower E Class where the majority of the tie scores appear.
40	4	Dave F	S/A	523	14				Using Section 15.3 of the NRA PPC Rulebook, the ties are broken, and in this case the 3 shooters remain in the same order for awards.
41	5	Lane A	S/A	522	11				
42	6	Ken W	S/A	517	18				
43	7	Jim S	S/A	516	18				
44	8	Bob W	S/A	514	16				
45	9	Ed D	S/A	511	15	F-2	6		

46	1	Vince K	S/A	511	15	F-1	11	<p>In this case, we have a two-way tie crossing the Lewis Class dividing line.</p> <p>Ed will be moved down to the head of the lower F Class.</p> <p>Using Section 15.3 of the NRA PPC Rulebook, the ties are broken, and in this example Vince came out ahead of Ed for the F-1 award.</p>
47	2	Mike L	S/A	510	12	F-3	4	
48	3	Tom S	S/A	509	14			
49	4	Dennis C	S/A	508	12			
50	5	Tom M	S/A	506	11			
51	6	Dennis T	S/A	500	10			
52	7	Ed D	S/A	499	9			
53	8	Bob D	S/A	491	12			
54	9	David K	S/A	487	8			
55	10	Norm Z	S/A	485	8			
56	11	Eric P	S/A	483	6			

Fees Received 280
(56 * \$5)

Awards Paid 141
(Min 50%)

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