



DETAILED DESCRIPTION OF THE SYSTEM TO CALCULATE THE RANKINGS

I. Individual Rankings

No more than eight (8) archers, from one country, in any one division/gender can earn ranking points at any one World Ranking Event (Olympic Games, World Championships, Continental Championships and other WRTs).

1. Introduction

This description explains the calculating procedure of the current world ranking list. It explains the different elements that determine the actual number of points each archer has on the ranking list.

2. Ranking Factor of World Ranking Tournament

The first step is to determine the ranking factor (RF) for each World Ranking Tournament (WRT).

2.1 Quality, Quantity and Period

Three sub-factors are considered to determine the ranking factor (RF) for each WRT:

- a) QUALITY
- b) QUANTITY
- c) PERIOD

a) QUALITY

WRTs are classed into different quality groups

Quality Factor 5: The recent Olympic Games.
 The recent World Championships.

For all other World Ranking Tournaments the quality factor is based on the number of archers ranked in the top 50 positions of the current world ranking list, as well as the top three positions for archers in one continental association in addition to those in the top 50 positions overall.

Quality Factor	Number of archers in the top positions described above who are participating in the WRT
4	More than 20 top archers
3.5	Between 17 & 20 top archers
3	Between 13 & 16 top archers
2.5	Between 9 & 12 top archers
2	Between 5 & 8 top archers
1.5	Between 1 & 4 top archers
1	No top archers

b) QUANTITY

WRTs are classed according to the number of archers competing.

Quantity Factor	Number of archers in the top positions
1	More than 64 archers (The Olympic Games also take Quantity Factor 1)
0.9	Between 33 and 64 archers
0.8	Between 17 and 32 archers
0.7	Between 9 and 16 archers
0.5	Less than 9 archers with Quality Factor = 2 or higher
0.4	Less than 9 archers with Quality Factor = 1.5
0	Less than 9 archers with Quality Factor = 1

c) PERIOD

This sub-factor is related to the ageing of the WRT. The longer the period between the date of the World Ranking Tournament and the date of the publication of the WRL, the lower the factor is until the WRT is too old and this factor becomes 0.

The current date factor for the Sydney Olympic Games is 0.25.

Olympic Games Athens 2004	Date Factor 1	Until September 30, 2005
	Date Factor 0.8	Between October 1, 2005 and September 30, 2006
	Date Factor 0.5	Between October 1, 2006 and September 30, 2007
	Date Factor 0.25	Between October 1, 2007 and the next Olympic Games
	Date Factor 0	After the next OG
World Championships (WC)	Date Factor 1	Up to twelve months after their celebration.
	Date Factor 0.8	After 12 months until the next WC
	Date Factor 0	After the next WC
Continental Championships (CC)	Date Factor 1	Up to twelve months after their celebration
	Date Factor 0.8	After 12 months of their celebration until the next CC
	Date Factor 0	After the next Continental Championships. In the case of Continental Championships that are held annually, the previous Championships will automatically go under the classification of Other WRT, after the next championships is held
Other WRT	Date Factor 1	Up to twelve months after their celebration
	Date Factor 0.5	After 12 months and up to 24 months after their celebration
	Date Factor 0	24 months after their celebration

2.2 Ranking Factor (RF)

The RF of a WRT is calculated by multiplying the three sub-factors:

$$\mathbf{RF = Quality\ Factor\ X\ Quantity\ Factor\ X\ Period\ Factor}$$

3. Final Position → Ranking Points

According to the final position of each archer in the Olympic Round, the following Ranking Points (RP) is given.

Final Position in Olympic Round	Ranking Points	Competition Phase
1	20	Finals
2	17	
3	14	
4	12	
5	10	1/4 Finals
6	9.5	
7	9	
8	8.5	
9	7	1/8 th Elimination
10	6.75	
11	6.5	
12	6.25	
13	6	
14	5.75	
15	5.5	
16	5.25	
17	4	1/16 th Elimination
18	3.75	
19	3.5	
20	3.25	
21	3	
22	2.75	
23	2.5	
24	2.25	
25	2	
26	1.75	
27	1.5	
28	1.25	
29	1	
30	0.75	
31	0.5	
32	0.25	

4. Ranking Score (RS)

The Ranking Points (RP) of each archer are multiplied by the Ranking Factor (RF) of the WRT where a Ranking Position was obtained, and the result of this multiplication produces a Ranking Score (RS) for each archer.

Ranking Score = Ranking Points X Ranking Factor
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5. Added Ranking Score (ARS)

The three highest Ranking Scores (RS) of each archer are added. The result of this addition is the Added Ranking Score (ARS).

For the calculation of the ARS, a maximum of two RS whose period factor is lower than 1 may be considered.

6. World Ranking List (WRL)

The World Ranking List is the list of archers ranked according to their ARS.

With the information supplied it is suggested that the Technical Delegate can calculate the Factor Value for the Tournament in respect of the competitors registered at accreditation. The Factor Value may be announced at the Team Captains Meeting, with the provision that the Factor Value is subject to confirmation by the World Ranking Committee and Results Service.

Note: it is possible for there to be different Factor Values for Compound/Recurve, Women/Men.

7. In case of a bye if the archer loses the first match he/she will receive the points awarded to the last place for that round since he/she did only win a match with a bye, not a match with an opponent.

II. Team Rankings

Calculation system

1. Calculation of Ranking Factor (RF)

Three sub-factors are considered to determine the ranking factor (RF) of each WRT:

- a) QUALITY
- b) QUANTITY
- c) TIME

a) QUALITY

WRTs are classed into different groups according to the number of teams participating that are ranked in the top 16 in the current World Ranking, the latest Olympic Games and the latest World Championships.

Quality Factor	Number of teams in the top 16 lists
5	Factor granted only to Olympic Games and World Target Championships
4	More than 10
3.5	More than 8
3	More than 6
2.5	More than 4
2	More than 2
1.5	At least 1
1	None

b) QUANTITY

WRTs are classed according to the number of teams competing.

Quantity Factor	Number of Archers	O.R. starts at:
1	more than 16 top 16 get Ranking Points Olympic Games also get Quantity Factor 1	1/8

0.9	between 13 and 16 top 8 get Ranking Points	1/4
0.8	between 9 and 12 top 8 get Ranking Points	1/4
0.7	between 5 and 8 top 4 get Ranking Points	Semi-finals
0.5	4 teams top 4 get Ranking Points	Semi-finals
0	Fewer than 4 teams	

c) TIME

This sub-factor deals with the relationship between the date when the WRT was held and the date on which the WRL is issued.

Olympic Games	Time Factor 1 Time Factor 0.75 Time Factor 0.5 Time Factor 0.25	Up to 12 months after the OG Up to 24 months after the OG Up to 36 months after the OG Up to the next OG
World Championships	Time Factor 1 Time Factor 0.8 Time Factor 0	Up to 12 months after the WCH Up to the next WCH After the WCH
Continental Championships	Time Factor 1 Time Factor 0.8 Time Factor 0	Up to 12 months after the tournament Up to the next Continental Championships After the next Continental Championships
Other WRT	Time Factor 1 Time Factor 0.5 Time Factor 0	Up to 12 months after the tournament Up to 24 months after the tournament After 24 months.

In case of Continental Championships that may be held annually, the previous Championships will automatically go under the classification of Other WRT as soon as the next Championship is held.

- The Ranking Factor of a World Ranking Tournament is calculated by multiplying the three sub-factors

$$\mathbf{RF = Quality\ Factor\ X\ Quantity\ Factor\ X\ Time\ Factor}$$

3. Ranking Points

According to the final position of each team in the Olympic Round, the following Ranking Points (RP) will be given:

Position in O. Round	Ranking Points
1	25
2	21
3	18
4	15
5	13
6	12
7	11
8	10
9	8
10	7
11	6
12	5
13	4
14	3
15	2
16	1

4. The Ranking Points (RP) of each team are multiplied by the Ranking Factor (RF) of the WRT where a Ranking Position was obtained, and the result of this multiplication will produce a Ranking Score (RS) for each team
5. The three highest Ranking Scores (RS) of each team will be added to produce the Added Ranking score (ARS). The ARS of one team may include only two RS whose Time Factor is lower than 1
6. The teams are ranked according to their ARS.

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