

DETAILED DESCRIPTION OF THE SYSTEM TO CALCULATE THE INDIVIDUAL RANKINGS.

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:

WRT 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:

WRT are classed according to the number of archers competing.

Quantity Factor 1: More than 64 archers (The Olympic Games also take Quantity Factor 1).

Quantity Factor 0.9: Between 33 and 64 archers.

Quantity Factor 0.8: Between 17 and 32 archers.

Quantity Factor 0.7: Between 9 and 16 archers.

Quantity Factor 0.5: Less than 9 archers with Quality Factor = 2 or higher

Quantity Factor 0.4: Less than 9 archers with Quality Factor = 1.5

Quantity Factor 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.

Olympic Games Sydney 2000.

Date Factor 1	Until September 30, 2001
Date Factor 0.8	Between October 1, 2001 and September 30, 2002
Date Factor 0.5	Between October 1, 2002 and September 30, 2003
Date Factor 0.25	Between October 1, 2003 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:

$$\text{RF} = \text{Quality Factor} \times \text{Quantity Factor} \times \text{Period Factor}$$

3) Final Position → Ranking Points

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

$$\text{Ranking Score} = \text{Ranking Points} \times \text{Ranking Factor}$$

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.

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

FITA WORLD RANKING LIST

TEAM EVENTS

CALCULATION SYSTEM

I. 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.

<u>Quality Factor</u>	<u>Number of teams in the top 16 lists</u>
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.

<u>Quantity Factor</u>	<u>Number of Archers</u>	<u>O.R. starts at:</u>
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	Semifinals
0.5	4 teams top 4 get Ranking Points	Semifinals
0	Fewer than 4 teams	

c) **TIME**

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

c.1 Olympic Games

Time Factor 1	Up to 12 months after the OG
Time Factor 0.75	Up to 24 months after the OG
Time Factor 0.5	Up to 36 months after the OG
Time Factor 0.25	Up to the next OG

c.2 World Championships

Time Factor 1	Up to 12 months after the WCH
Time Factor 0.8	Up to the next WCH
Time Factor 0	After the WCH

c.3 Regional Championships

Time Factor 1	Up to 12 months after the Tournament
Time Factor 0.8	Up to the next Regional Championships
Time Factor 0	After the next Regional Championships

c.4 Other WRT

Time Factor 1	Up to 12 months after the tournament
Time Factor 0.5	Up to 24 months after the tournament
Time Factor 0	After 24 months.

In case of Regional 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.

II.- The Ranking Factor of a World Ranking Tournament is calculated by multiplying the three subfactors:

$$RF = \text{Quality Factor} \times \text{Quantity Factor} \times \text{Time Factor}$$

III.- 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

- IV. 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
- V. 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.
- VI. The teams are ranked according to their ARS.
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