



# ITTF Para Table Tennis Rating System 2022 for Doubles and Mixed Doubles

Rev 1.0 (July 2022)

A player's rating is a number (of points) which represents his/her playing level in comparison with other rated players. A player's rating changes by graded amounts depending upon the rating difference between his/her pair's rating and the rating of his/her opponent pair.

Players can have two different ratings, one for doubles and one for mixed doubles. These two ratings are additionally to single rating which is described on another document. Each one should be used/changed by participating at relevant events.

The following table define the calculations:

## Rating Change Table:

Pair's Rating* difference	Normal Outcome		Upset Outcome	
	Winner	Loser	Winner	Loser
<50	12	-4	12	-4
<100	10	-3	15	-5
<200	7	-3	18	-6
<300	4	-2	22	-8
<400	3	-2	30	-10
<500	2	-1	39	-13
	1	-1	48	-16

\*Pair's Rating is the sum of both player's rating.

Each player's ratings of the winning pair are increased by the amount in the above table (adjusted by the weighting factor below) while each player's ratings of the loser pair are decreased only by the amount in the above table.

## Weighting table:

Weighting	Events
1.5	Factor 40 and above in Doubles/Mixed Doubles events
1.0	Factor 20 in Doubles/Mixed Doubles events and all team events

For main events, the above weightings shall be applied only to the winner pair's points as the loser pair's points are not adjusted by a weighting factor.

All results of double matches are processed, including the double matches of Team Events.

In matches between pairs with all 4 players of the same national association, a special calculation is applied:

- Winners get +1 point/each
- Losers get -1 point/each
- Bonus points will be awarded to medallists in Doubles/Mixed Doubles events as follows: Gold 9, Silver 6, and Bronze 3. Bonus points will also be awarded to new/unrated players but only when they get rated. These points will expire at the end of each tournament credit period.

- Special calculation is applied for **matches between pairs of different classes.**  
(Pair's class is defined the sum of both player's class)

Each pair's player with pair's class lower than opponent pair's class will lose ranking points if defeated as follow:

- One class difference – 90%
- Two classes difference – 80%
- Three classes difference – 70%
- Four classes difference – 60%
- Five classes difference – 50%
- Six classes difference – 40%
- Seven classes difference – 30%
- Eight classes difference – 20%

Above rule affecting pair's matches in case of Event Combination but also within Double or Mixed Double Events.

Ratings are rounded to the nearest integer.

- **Initial Rating (IR) calculation for New or Unrated Players.**

1. New players registered after February 2022 are assigned an initial rating (IR) based upon their initial results, once enough results against already rated pairs allow a reasonable approximation of their ability to be made. This may be reviewed at any time when further results are received. To get in international ranking, the player must meet at least one of these two criteria

For Doubles:

- To attain two wins against rated pairs to appear on the Doubles RL.
- To participate at least in four Double events to appear on the Doubles RL.

For Mixed Doubles

- To attain two wins against rated mixed pairs to appear on the Mixed Doubles RL.
- To participate at least in four Mixed Double events to appear on the Mixed Doubles RL.

2. All players registered before March 2022 will get IR as soon as they meet at least one of these criteria

For Doubles:

- To attain two wins against rated pairs in Doubles events (IR based upon their initial results)
- To participate at least in four Double events (IR based upon their initial results)
- To attain two wins against rated players in Singles Events (IR based in the Starting point as described below)
- To participate at least in four Single events, including previous ones (IR based in the Starting point as described below)

For Mixed Doubles:

- To attain two wins against rated pairs in Mixed Doubles. (IR based upon their initial results)
- To participate at least in four Mixed Doubles events. (IR based upon their initial results)
- To attain two wins against rated players in Singles Events (IR based in the Starting point as described below)
- To participate at least in four Single events, including previous ones (IR based in the Starting point as described below)

- **Starting Point**

As starting point we apply the below algorithm to all rated players, active or inactive:

$$\text{IR} = \text{Player\_Singles\_Rating} * 0,4 + \text{ClassLevel} * 0,6$$

ClassLevel is defined on below table.

Class	ClassLevel
1	600
2	725
3	850
4	950
5	1000
6	1000
7	1100
8	1200
9	1300
10	1375
11	1000