



BASELINE; Track and Field Multi-Class Scoring System Australian National Championships 2020

Background

BASELINE provides a simplified way for athletes, administrators and coaches to compare performances in multi-class events across all athletes with an eligible classification.

BASELINE uses a base time/distance/height in each class for each contestable event and measures this as a percentage against the individual athletes performance to generate a percentage score.

Athletics Australia (AA) may change or amend the BASELINE guidelines and associated resources (including base performances) at any time.

BASELINE will be replacing the MDS for scoring both Underage and Open events at the Australian National Championships in 2020 and future national events.

Selection of Base Performances

Base performances are determined using the following priority protocol:

- The base performances will be the official World Record as at 1 February 2020*. In the case where an Official World Record is not available the base performances will be;
- The number one World Ranked performance as at 1 February 2020, if quicker/higher/further than an existing base performance.
- In the case where a number one World Ranked performance is not available the base performance will be generated using one of the following methods;
 - The base performance of the next available preceding classification within the same classification system group.
 - Relative to past performances at Australian National Championships
 - Determined by the AA Paralympic Program Manager/AA Competitions team.

The following official published records and rankings will be utilised:

- WPA Track and Field World Records and Rankings for Paralympic Events or
- World Records and Rankings for non-Paralympic events

*Base Performances for 2021 and future years will be determined as at July 1st of the preceding year.

Event Base Performance Adjustment

To ensure equity across classifications, some base performances may be adjusted by up to 10%. The following restrictions are considered before adjusting the base performance.

1. Was the event held at the last Paralympics or WPA Championships. If so, then no adjustment to base performance is required.
2. If not held at either of these events does a regression analysis indicate that the base performance is similar to (1).
3. If both (1) and (2) do not apply, an adjustment on base performance will be undertaken. In addition, if a performance at the previous Australian Championship exceeded the existing Base Performance value, then an adjustment on base performance will also be undertaken.

When point scores for track and Field events are compared there are some anomalies that occur which result in a competitive advantage. This is influenced by factors such as the depth of field, (i.e. the number of competitors that participate in a respective event internationally), whether an event takes place at key championships (i.e. is it a Paralympic event) and how old the world record is.

It is therefore easier to attain a high point score in events that are not regularly contested at international level. Adjusting the base points performance for these classifications creates a fairer contest and more true recognition of performance within the multi-class competition system.

All base performances have been determined and reviewed prior to the Australia Championships by AA. They can be changed by AA at any time.

Applicable Events

Events included in BASELINE will be those recognised in the AA Technical Rules. Additional events may be considered at the discretion of AA on a case by case basis and where appropriate base performances can be established.

Base performances will be separated by Male and Female for Track and Field events.

Determination of Base Performances (B)

Base performances used for percentage calculations are determined by Athletics Australia and will be established as at the 1st July of each year for the upcoming Summer Competition.

Percentage Score Formula

The points are calculated using as a percentage of the base time, distance or height.

For Track Events;

With the Time/Distance/Height (T) and the Base performance time/distance/height (B) in seconds, the percentage is calculated with the following formula;

$$\text{Points} = (B / T) * 100$$

For Field Events;

With the Distance (D) and the Base performance distance (B) in metres, the percentage is calculated with the following formula;

$$\text{Points} = (D / B) * 100$$

Performances exceeding the base performance attract a percentage > 100% with performances below the base performances attracting a percentage < 100%

WOMEN Baseline Performances 2020

| CLASS | 100m | 200m | 400m | 800m | 1500m | 5000m | Shot Put | Discus | Javelin | Club | Long Jump | High Jump | Triple Jump |
|-------|-------|-------|---------|---------|---------|----------|----------|--------|---------|-------|-----------|-----------|-------------|
| T/F01 | 11.71 | 24.33 | 55.35 | 2:07.15 | 4:25.20 | 16:23.37 | 15.33 | 58.54 | 50.02 | | 6.24 | 1.80 | 13.63 |
| T/F11 | 11.85 | 55.35 | 56.00 | 2:17.66 | 4:38.92 | 18:00.34 | 17.32 | 40.42 | 38.62 | | 5.46 | 1.45 | |
| T/F12 | 11.4 | 23.03 | 51.77 | 2:04.96 | 4:19.20 | 17:50.45 | 15.05 | 49.31 | 46.00 | | 6.60 | 1.57 | 12.11 |
| T/F13 | 11.79 | 24.24 | 54.46 | 2:03.18 | 4:05.27 | 15:07.19 | 13.05 | 44.67 | 44.58 | | 5.88 | 1.80 | |
| T/F20 | 11.91 | 25.01 | 56.78 | 2:07.74 | 4:23.37 | 17:18.38 | 14.10 | 42.46 | 39.77 | | 6.21 | | 12.53 |
| T/F31 | | | | | | | | | | 17.92 | | | |
| T/F32 | 24.77 | 44.33 | 1:27.42 | | | | 7.04 | 13.63 | | 27.28 | | | |
| T/F33 | 18.90 | 33.29 | 1:10.15 | 2:22.85 | 2:26.08 | | 7.81 | 20.70 | 17.84 | | | | |
| T/F34 | 16.77 | 28.98 | 57.48 | 1:55.73 | 3:50.22 | 13:25.50 | 8.82 | 21.02 | 22.28 | | | | |
| T/F35 | 13.43 | 28.22 | 1:14.69 | 3:13.47 | 7:44.06 | | 13.91 | 31.92 | 28.44 | | 3.30 | | |
| T/F36 | 13.68 | 28.21 | 1:06.96 | 3:06.22 | 6:26.30 | | 11.79 | 28.01 | 29.55 | | 4.11 | | |
| T/F37 | 13.10 | 27.11 | 1:00.29 | 2:41.71 | 5:40.12 | | 14.80 | 38.29 | 37.86 | | 5.22 | | |
| T/F38 | 12.38 | 25.92 | 1:00.71 | 2:26.14 | 5:28.51 | | 12.58 | 33.91 | 32.87 | | 5.51 | | |
| T/F40 | 17.77 | 43.42 | 1:36.00 | | | | 8.70 | 24.65 | 23.31 | | | | |
| T/F41 | 17.77 | 38.54 | 1:36.00 | | | | 10.42 | 34.68 | 30.14 | | | | |
| T/F42 | 14.72 | 31.73 | 1:28.76 | | | | 9.45 | 27.60 | 31.51 | | 4.03 | 1.38 | |
| T/F43 | 12.79 | 24.36 | 1:00.78 | | | | 9.17 | 22.54 | 27.97 | | | | |
| T/F44 | 12.72 | 26.15 | 1:00.07 | 2:22.28 | 4:58.68 | | 13.14 | 44.53 | 45.28 | | 4.49 | 1.28 | |
| T/F45 | 14.00 | 28.58 | 1:07.19 | 2:12.42 | 4:50.08 | | 10.67 | 21.09 | 21.65 | | 4.29 | 1.45 | 9.95 |
| T/F46 | 11.89 | 24.45 | 55.60 | 2:12.42 | 4:50.08 | | 12.47 | 42.12 | 45.73 | | 6.01 | 1.67 | 9.95 |
| T/F47 | 11.89 | 24.45 | 55.60 | | | | | | | | 6.01 | 1.67 | 9.95 |
| T/F51 | 23.46 | 44.17 | 1:36.44 | 3:15.64 | 5:47.63 | | | 13.52 | | 25.23 | | | |
| T/F52 | 18.67 | 33.19 | 1:04.87 | 2:06.76 | 4:24.47 | 14:47.55 | 8.19 | 17.73 | 13.46 | | | | |
| T/F53 | 16.19 | 28.61 | 53.32 | 1:45.53 | 3:13.27 | 10:51.17 | 5.88 | 17.07 | 11.87 | | | | |
| T/F54 | 15.35 | 27.52 | 51.90 | 1:41.47 | 3:13.27 | 10:51.17 | 8.19 | 20.52 | 20.25 | | | | |
| F55 | | | | | | | 9.06 | 27.8 | 27.07 | | | | |
| F56 | | | | | | | 9.95 | 26.28 | 24.03 | | | | |
| F57 | | | | | | | 11.16 | 35.76 | 25.95 | | | | |
| T/F60 | 12.93 | 25.71 | 1:04.89 | 2:31.80 | 5:03.61 | | 11.64 | 33.44 | 37.83 | | 5.17 | 1.58 | |
| T/F61 | 19.06 | 46.69 | 1:28.76 | | | | 10.56 | 34.85 | 31.51 | | 5.05 | 1.38 | |
| T/F62 | 12.90 | 28.86 | 1:00.78 | 2:57.81 | 4:58.68 | | 10.25 | 33.83 | 27.97 | | 5.21 | | |
| T/F63 | 14.61 | 31.73 | 1:24.12 | | | | 10.06 | 33.19 | 13.74 | | 5.00 | 1.38 | |
| T/F64 | 12.66 | 26.12 | 59.27 | 2:22.28 | 4:58.68 | | 9.80 | 34.40 | 26.57 | | 6.01 | 1.52 | |

MEN Baseline Performances 2020

| CLASS | 100m | 200m | 400m | 800m | 1500m | 5000m | Shot Put | Discus | Javelin | Club | Long Jump | High Jump | Triple Jump |
|-------|-------|-------|---------|---------|---------|----------|----------|--------|---------|-------|-----------|-----------|-------------|
| T/F01 | 10.21 | 21.15 | 45.29 | 1:49.70 | 3:48.69 | 14:02.90 | 17.41 | 62.16 | 73.47 | | 7.94 | 2.13 | 15.51 |
| T/F11 | 10.92 | 22.41 | 49.82 | 1:58.47 | 3:58.37 | 15:11.07 | 15.29 | 46.10 | 53.99 | | 6.73 | 1.60 | 13.71 |
| T/F12 | 10.45 | 21.56 | 47.79 | 1:50.02 | 3:47.78 | 13:53.76 | 16.69 | 52.51 | 64.89 | | 7.47 | 2.02 | 15.37 |
| T/F13 | 10.46 | 21.05 | 46.92 | 1:50.70 | 3:48.29 | 14:20.69 | 16.46 | 53.61 | 71.01 | | 7.66 | 2.17 | 16.23 |
| T/F20 | 10.68 | 21.45 | 46.86 | 1:49.91 | 3:45.50 | 14:09.51 | 17.29 | 45.79 | 56.84 | | 7.64 | | 14.62 |
| T/F31 | | | | | | | | | | 30.72 | | | |
| T/F32 | 22.09 | 44.87 | 1:26.28 | | | | 12.05 | 20.86 | | 37.19 | | | |
| T/F33 | 16.46 | 29.00 | 57.95 | 1:46.90 | 4:08.32 | | 12.36 | 31.03 | 26.96 | | | | |
| T/F34 | 14.46 | 25.91 | 49.08 | 1:37.84 | 3:09.93 | 12:02.00 | 12.17 | 43.29 | 38.23 | | | | |
| T/F35 | 11.77 | 23.04 | 53.78 | 2:29.47 | 4:58.65 | 17:42.42 | 17.32 | 54.13 | 56.07 | | 6.06 | | |
| T/F36 | 11.72 | 24.09 | 51.71 | 2:02.39 | 4:32.89 | 18:23.52 | 16.32 | 42.96 | 45.18 | | 5.93 | | |
| T/F37 | 11.42 | 22.59 | 50.45 | 1:57.17 | 3:59.54 | 16:08.67 | 17.52 | 59.75 | 57.81 | | 6.77 | | |
| T/F38 | 10.74 | 21.82 | 49.33 | 1:57.78 | 3:57.00 | 15:57.25 | 15.95 | 52.91 | 56.28 | | 7.13 | | |
| T/F40 | 15.18 | 34.41 | N/A | | | | 10.88 | 27.87 | 38.90 | | | | |
| T/F41 | 14.18 | 31.40 | N/A | | | | 14.19 | 44.36 | 44.35 | | | | |
| T/F42 | 12.42 | 26.01 | 49.92 | 2:06.70 | | | 17.52 | 54.14 | 56.56 | | 5.37 | 1.96 | |
| T/F43 | 10.57 | 45.21 | 1:43.79 | 3:30.01 | | | 20.03 | 66.89 | 60.49 | | 6.21 | | |
| T/F44 | 11.00 | 23.13 | 53.00 | 2:02.65 | 4:24.67 | 19:51.50 | 15.73 | 64.11 | 66.18 | | 7.07 | 2.19 | |
| T/F45 | 10.94 | 21.91 | 46.75 | 1:59.30 | 4:08.26 | 15:37.84 | 11.45 | 28.21 | 29.30 | | 6.41 | 1.73 | 12.00 |
| T/F46 | 10.42 | 21.17 | 47.69 | 1:51.82 | 3:46.51 | 14:06.56 | 16.80 | 52.64 | 63.97 | | 7.58 | 2.14 | 15.29 |
| T/F47 | 10.42 | 21.17 | 47.69 | | | | | | | | 7.58 | 2.14 | 15.29 |
| T/F51 | 19.89 | 36.62 | 47.69 | 2:23.43 | 4:53.50 | 16:46.95 | | 13.17 | | 33.96 | | | |
| T/F52 | 16.41 | 30.02 | 1:11.47 | 1:51.57 | 3:25.08 | 12:27.54 | 11.74 | 23.80 | 18.58 | | | | |
| T/F53 | 14.10 | 25.04 | 55.13 | 1:31.69 | 2:51.84 | 9:42.83 | 8.83 | 26.62 | 24.30 | | | | |
| T/F54 | 13.63 | 24.18 | 46.82 | 1:29.66 | 2:51.84 | 9:42.83 | 11.40 | 33.68 | 31.90 | | | | |
| F55 | | | | | | | 12.47 | 39.84 | 35.30 | | | | |
| F56 | | | | | | | 13.49 | 46.68 | 42.74 | | | | |
| F57 | | | | | | | 15.26 | 48.55 | 49.26 | | | | |
| T/F60 | 10.70 | 22.32 | 50.26 | 1:57.07 | 4:06.63 | 17:53.40 | 12.54 | 38.48 | 42.63 | | 7.30 | 1.90 | |
| T/F61 | 12.77 | 23.03 | 48.31 | | | | 17.52 | 26.08 | 31.21 | | 6.47 | 1.90 | |
| T/F62 | 10.54 | 21.12 | 45.78 | 2:18.21 | 4:33.46 | 19:51.50 | 7.83 | 26.08 | 31.21 | | 6.80 | | |
| T/F63 | 11.95 | 26.36 | 1:14.56 | | | | 15.10 | 46.91 | 59.77 | | 6.99 | 1.90 | |
| T/F64 | 10.61 | 21.27 | 49.66 | 2:35.26 | 4:33.46 | 19:51.50 | 18.38 | 65.47 | 62.88 | | 8.48 | 1.92 | |