



BASELINE; Track and Field Multi-Class Scoring System Australian National Championships 2020-21

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 has replaced the MDS for scoring both Underage and Open events at the Australian National Championships in 2020 and future national in stadia 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 July 2020. In the circumstance where an Official World Record is not available the base performances will be;
- The number one World Ranked performance as at 1 July 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 to determine the baseline score:

- WPA Track and Field World Records and Rankings for Paralympic Events;
 - <https://www.paralympic.org/athletics/records>
 - <https://www.paralympic.org/athletics/rankings>
- International Committee of Sports for the Deaf (T/FO1);
 - <http://www.ciss.org/athletes/record/world/at/m>

- <http://www.ciss.org/athletes/record/world/at/w>
- World Intellectual Impairment Sport (VIRTUS World Records, T/F20);
 - <https://www.virtus.sport/wp-content/uploads/2020/04/Virtus-WORLD-Records-MEN.pdf>
 - <https://www.virtus.sport/wp-content/uploads/2020/04/Virtus-WORLD-Records-WOMEN.pdf>
- International Athletic Association for Persons with Down Syndrome (IAADS T/F21);
 - <https://www.iaads.info/files/1.-MEN-T21-World-17.10.2018.pdf>
 - <https://www.iaads.info/files/2.-WOMEN-T21-World-17.10.2018.pdf>
- International Dwarf Sports Federation (World Dwarf Games Records, T/F41-42);
 - <http://internationaldwarfsportsfederation.com/wp-content/uploads/2019/02/2017-RecordsTrack.pdf>
 - <http://internationaldwarfsportsfederation.com/wp-content/uploads/2019/02/2017-Records-Field-Events-final.pdf>
- World Transplant Games Federation (T/F60);
 - <https://wtgf.org/wp-content/uploads/2020/01/Records-Athletics-updated-September-2019-latest.pdf>

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 2020/21

CLASS	100m	200m	400m	800m	1500m	Shot Put	Discus	Javelin	Club	Long Jump
T/F01	11.71	24.43	55.35	2:07.50	4:25.25	15.33	58.54	50.02		6.24
RR1	25.10									
RR2	18.32									
RR3	18.87									
T/F11	11.85	24.39	56.00	2:17.66	4:38.92	17.32	40.42	38.62		5.46
T/F12	11.40	23.03	51.77	2:04.96	4:19.20	15.05	47.40	46.00		6.60
T/F13	11.79	24.24	54.46	2:03.18	4:05.27	13.05	44.67	44.58		5.88
T/F20	11.91	25.01	55.99	2:07.74	4:23.37	14.10	43.63	39.77		6.21
T/F21	15.45	33.30	1:28.00			7.50	18.09	20.31		3.52
F31									17.92	
T/F32	24.77	44.33	1:27.42			7.04	13.97		27.28	
T/F33	19.89	33.29	1:10.15	2:22.85	4:41.06	7.81	22.62	17.04		
T/F34	16.77	28.98	57.48	1:55.73	3:50.22	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	2:59.14	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	15.28	38.29	37.86		5.22
T/F38	12.38	25.92	1:00.71	2:28.04	5:28.51	12.58	33.91	32.87		5.51
T/F40	19.40	43.14	1:31.18			8.70	24.69	23.31		
T/F41	17.70	40.50	1:20.93			10.42	34.68	30.14		
T/F42	14.72	31.73	1:28.76			9.45	27.6	31.51		4.03
T/F43	12.79	24.36	1:00.78			8.74	22.54	27.97		4.26
T/F44	12.72	26.15	1:00.07	2:22.28	4:58.68	13.14	44.53	45.28		4.49
T/F45	14.00	28.58	1:07.19	2:12.42	4:50.08	9.17	21.09	21.65		4.29
T/F46	11.89	24.45	55.60	2:12.42	4:50.08	12.47	42.12	45.73		6.01
T47	11.89	24.45	55.60							6.01
T/F51	24.69	44.17	1:36.44	3:15.64	6:05.93		13.52		25.23	
T/F52	18.67	33.19	1:04.87	2:06.76	4:24.47	8.19	16.89	13.46		
T/F53	16.19	28.61	53.32	1:45.53	3:13.27	5.88	16.26	11.87		
T/F54	15.35	27.52	51.90	1:41.47	3:13.27	8.19	20.52	20.25		
F55						9.06	27.80	27.07		
F56						9.95	26.28	24.03		
F57						11.16	35.76	25.95		
T/F60	12.19	25.71	1:03.73	2:28.68	5:08.18	11.64	33.44	37.83		5.21
T/F61	14.95	46.49	1:28.76			10.56	34.85	31.51		5.19
T/F62	12.90	28.86	1:00.78	2:57.81	4:58.68	10.25	33.83	27.97		5.72
T/F63	14.61	31.73	1:24.12			10.06	33.19	15.74		5.00
T/F64	12.66	26.12	59.27	2:22.28	4:58.68	9.80	34.40	26.57		6.01

MEN Baseline Performances 2020/21

CLASS	100m	200m	400m	800m	1500m	Shot Put	Discus	Javelin	Club	Long Jump
T/F01	10.21	21.15	45.29	1:49.70	3:48.69	17.41	62.16	73.47		7.94
RR1	26.67									
RR2	18.54									
RR3	16.72									
T/F11	10.92	22.41	49.82	1:58.47	3:58.37	15.26	46.10	53.99		6.73
T/F12	10.44	21.48	47.79	1:50.02	3:47.78	16.69	52.51	64.89		7.47
T/F13	10.46	21.05	46.92	1:50.70	3:48.29	16.46	53.61	71.01		7.66
T/F20	10.68	21.45	46.86	1:49.91	3:45.50	17.29	45.79	56.84		7.64
T/F21	13.46	28.38	1:08.79			10.53	31.05	31.40		4.55
F31									30.72	
T/F32	22.09	44.47	1:26.28			14.09	20.86		37.19	
T/F33	16.46	29.00	57.95	1:52.52	4:08.32	12.36	31.03	26.96		
T/F34	14.46	25.91	49.08	1:37.84	3:09.93	12.17	43.29	38.23		
T/F35	11.77	23.04	53.78	2:29.47	4:58.65	17.32	54.13	56.07		6.06
T/F36	11.72	24.09	51.71	2:02.39	4:32.89	16.32	42.96	45.18		5.93
T/F37	11.19	22.59	50.45	1:57.17	3:59.54	17.52	59.75	57.81		6.77
T/F38	10.74	21.82	49.33	1:57.78	3:57.00	15.95	52.91	58.18		7.13
T/F40	15.45	34.64	1:12.74			10.88	27.87	38.90		
T/F41	13.51	28.07	58.49			14.19	44.36	44.35		
T/F42	12.42	25.14	49.92			17.52	54.14	56.56		5.37
T/F43	10.57	24.36	1:00.78			20.43	63.70	57.61		6.21
T/F44	11.00	23.13	53.00	2:02.65	4:24.67	15.73	64.11	66.18		7.07
T/F45	10.94	21.91	49.21	1:59.30	4:08.26	11.45	28.21	29.30		6.41
T/F46	10.42	21.17	47.69	1:51.82	3:46.51	16.80	52.64	63.97		7.58
T47	10.42	21.17	47.69							7.58
T/F51	19.89	36.62	1:15.23	2:30.98	4:53.50		13.17		33.96	
T/F52	16.41	30.02	55.13	1:51.57	3:25.08	11.74	23.80	18.58		
T/F53	14.10	25.04	46.82	1:31.69	2:51.84	8.83	26.62	24.30		
T/F54	13.63	24.18	43.46	1:29.66	2:51.84	11.41	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	1:56.12	4:06.63	12.54	38.48	44.78		7.30
T/F61	12.25	23.03	48.31	1:49.30		12.54	26.08	31.21		6.47
T/F62	10.54	21.12	45.78	2:18.21	4:33.46	8.74	26.08	31.21		6.80
T/F63	11.95	26.36	1:14.56	3:35.28		15.10	46.91	59.77		6.99
T/F64	10.61	21.27	49.66	2:35.26	4:33.46	18.38	65.47	62.88		8.48