

SCORING SOFTBALL LEVEL FOUR

ADVANCED SCORING AND STATISTICS FOR STATE AND NATIONAL CHAMPIONSHIP STATISTICIANS

National Scoring Committee

Version 4.5

October 2017





Course Requirements

This Level Two Scorers' Course is designed to be conducted:

In one 6 hour session (that is, one full day)

or

In two 3 hour sessions (e.g. 3 hours on two separate evenings).

Candidates will be required to display the following competencies:

Scoring, batting charting, extensions and statistics for 2 regulation games

Pitching charting

Upon successful completion of the course, Level 4 Softball Scorers will be able to:

-
-
-
-
-

Table of Contents

Table of Contents.....	ii
Table of Figures.....	iii
Conventions.....	iv
1 Duties.....	1
1.1 Duties of the Chief Statistician at National Championships.....	1
1.2 Duties of Official Statisticians at National Championships.....	1
2 Scoring Review.....	2
3 Rules Review.....	2
4 The Official Scoresheet.....	2
4.1 Pre-game preparation.....	2
4.2 Recording changes.....	2
4.3 Extensions.....	2
4.4 Games.....	2
4.5 Offensive innings (OI).....	2
4.6 Defensive innings (DI).....	3
4.7 Winning run scores in an incomplete inning.....	4
4.8 Proving and cross-checking.....	4
5 Statistics.....	5
5.1 Summary sheets.....	5
5.2 Batting average.....	5
5.3 Advance base runner average.....	5
5.4 Slugging average.....	5
5.5 On base average.....	5
5.6 On base percentage.....	5
5.7 Stolen base average.....	5
5.8 Fielding average.....	5
5.9 Earned run average.....	5
5.10 Win, loss and save.....	5
6 Charting.....	5
6.1 Batting charting.....	5
6.2 Pitching charting.....	6
7 Contacts.....	7

Table of Figures

Figure 4—2 Offensive innings for a pinch hitter.....	2
Figure 4—1 Offensive and defensive innings, and number of players used.....	2
Figure 4—3 Offensive innings for a pinch runner.....	3

Conventions

The following conventions are used throughout this manual:

- Various softball terms are shown in bold; for example, **strikeout**, **wild pitch**, **fielder's choice**.
- Scoring symbols also appear in bold, and possibly an appropriate colour; for example, **6–3**, **PO3**, **K2**, **MF8**.
- When used with a scoring symbol, an asterisk indicates the inclusion of a fielder's position number (**F***, **E***).
- A subscripted B indicates the inclusion of a batting position number (**WP_B**).
- Any references to the male or female gender are taken to apply to either gender.

1 Duties

1.1 Duties of the Chief Statistician at National Championships

- 1) Organise and roster Official Statisticians.
- 2) Collect team sheets from the Tournament Chief Umpire.
- 3) Liaise with Softball Australia as to statistics required for various purposes, including awards.
- 4) Liaise with any national selectors as to their statistical requirements.
- 5) Organise the recording of
 - i) Historical statistics
 - ii) Award statistics
 - iii) Selectors statistics
- 6) Publish the tournament standings showing
 - i) Points
 - ii) Runs against
 - iii) Averages
- 7) Ensure that the Championship Record Book is completed, if required.

1.2 Duties of Official Statisticians at National Championships

- 1) Report to the Chief Statistician.
- 2) Collect team sheets from the Chief Statistician.
- 3) Transfer lineups to the scoresheets.
- 4) Score the game.
- 5) Check the final score and game time.
- 6) Complete all extensions.
- 7) Return the scoresheets for the transfer of statistics.
- 8) Assist with the recording of statistics as required.

2 Scoring Review

3 Rules Review

4 The Official Scoresheet

4.1 Pre-game preparation

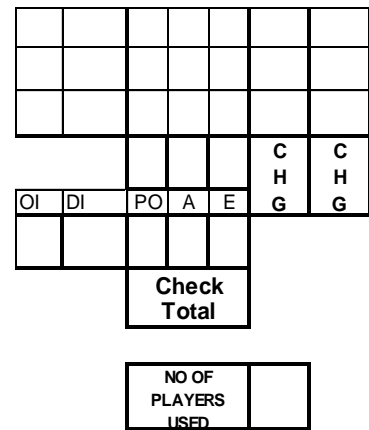
4.2 Recording changes

4.3 Extensions

4.4 Games

Each player who participates in the game in any way as a starting player, substitute, temporary runner or replacement player, will be credited as having played one **game**. A bench player who never takes the diamond, or who only takes the diamond to act as a coach, is not credited with a game. Only players credited with a game are entered into the *SALSA* database. The number of such players should be totalled and entered into the NO OF PLAYERS USED box located beneath the defensive extensions, as shown in Figure 4—1.

Figure 4—1
Offensive and
defensive innings,
and number of
players used.



4.5 Offensive innings (OI)

Offensive innings (OI) are those in which batters are available to bat. In the following example, Sarah Tutchener, would have five offensive Innings.

3	TUTCHENER	Sarah	RE B5	24	7	3 KC	3 LD7	WP ₉ 9 = 8	2 1-6-3
PH	SUPPLE	Tayla	T5	19					
						.5C..	.C..	c	C3

Figure 4—2 Offensive innings for a pinch hitter.

Tutchener is replaced by a pinch hitter Tayla Supple the top of the fifth inning, and then re-entered. As a pinch hitter Supple will be credited with one offensive Innings, and as she was in the game as an offensive player only, will receive no defensive innings.

Use of a **pinch runner (PR)** constitutes a normal substitution. The bench player can come on only once to run for a player already on base. In the example, Danielle Stewart comes in to run for Sally McCreedy in the third inning. Then McCreedy is re-entered in the bottom of the third.

TOP AUSTRALIA v JAPAN AT FENGTAI PARK
BOTTOM

BATTING LINEUP				A	5	4					
				PO	3	3					
				E							
P O S	LAST NAME	First Name	RE	U N I	B A T	1	2	3	4	5	6
3	McCREEDY	Sally	RE B5/4	16	1	1 5-3	/	1 4-3			
PH	HOWLETT	Danica	F5	2						= 7	
						.x.		x			

Figure 4—3 Offensive innings for a pinch runner.

As a pinch runner, Danielle Stewart will be recorded as having participated in the game. As she was in the game as an offensive player only, she will receive no defensive innings. The offensive innings allocated to Danielle is also zero. If the competition uses a **designated runner (DR)**, the offensive innings allocated should also be zero.

4.6 Defensive innings (DI)

Defensive innings refers to the amount of time a player plays on defence. Defensive time is defined in terms of the number of outs made. If there are no outs, this constitutes zero defensive innings. If one out is made, then this is 0.333 of an inning, and two outs are 0.667 of an inning. For three outs, a complete defensive inning is credited.

In the example of use of a pinch hitter (Figure 4—2), Sarah Tutchener would have six defensive innings and five offensive innings. This is because she is re-entered in the bottom of the fifth and does not miss any defensive time.

Defensive innings are especially important for the determination of a pitcher's game time, since an incorrect calculation will affect their **earned run average**.

TOP AUSTRALIA v JAPAN AT FENGTAI PARK
BOTTOM

BATTING LINEUP				A	5	6	6	6	6	5	6
				PO	3	5	3	3	2	9	8
				E							
P O S	LAST NAME	First Name	RE	U N I	B A T	1	2	3	4	5	6
3	McCREEDY	Sally		16	1	1 5-3	/	3 - 7			
							.x.				.xx
DP	WILKINS	Brooke		29	2	2 F5		1 K2			
							c.c.		c.c.		.. / c
2	TITCUME	Natalie		15	3	3 6-3		2 F9			
							cc2.		.		

Note that slash (/) must be in blue.

In the above example the defensive innings for each pitcher would be

- pitcher 1 — two complete innings

- pitcher 2 — two complete innings, since though she had pitched to at least one batter in the fifth innings, she was replaced before an out had occurred.
- pitcher 3 — to be calculated based on the remainder of the game.

4.7 Winning run scores in an incomplete inning

Generally this occurs either in the bottom of the seventh innings, or when applying the run ahead rule, or perhaps during a tie-break inning where the winning run is scored with less than three out. The game is over, but the pitcher will not have completed the inning. As a statistician you will need to record the defensive innings for the pitcher in the final inning using the number of outs made — 0.333 for one out, 0.667 for two outs, and 0 for no outs.

4.8 Proving and cross-checking

Proving the box score involves deriving the total number of plate appearances in two ways — first in terms of the number of outs, runs scored and runners left on base, and second in terms of the official at-bats. This is done as a check for mistakes. If the box score does not balance, there must be an error somewhere.

Proving the box score is compulsory.

Runs	5	AB	24
LOB	4	BB and OBS	2
PO	21	HPB	2
less TB		SAC BUNT	1
		SAC FLY	1
TOTAL	30	TOTAL	30

An example of proving the box score appears above.

Runs	Total runs scored by the team.
LOB	Number of runners left on base.
PO	Number of putouts made by the opposing team. This figure is found by adding up the PO column in the fielding analysis portion of the opposing team's scoresheet
TB	Subtract 1 for each inning that started with a tie-break runner on base.
AB	The total number of at-bats.
BB and OBS	The total of the BB and OBS columns.
HPB	The total of the HPB column.
SAC BUNT	The total number of sacrifice bunts.
SAC FLY	The total number of sacrifice flies.

The following additional cross-checks should be performed:

- 1) PO should equal the number of innings the team batted, times the number outs per inning. For a full seven inning game this will be 21 (7 times 3).
- 2) $PA = AB + BB + SAC + HPB + OBS$ (as in the right-hand side of proving the box score, above).
- 3) $PA = BF$ from the opponent's scoresheet.
- 4) Totals for H, 2B, 3B, HR, BB, HPB and K in the batting summary should equal the corresponding total in the opposition's pitching summary on the opposite half of the scoresheet.

5 Statistics

5.1 Summary sheets

Examples of these are provided in the appendices. Data from the extensions columns of the scorebook are transferred to the statistical summary sheets and averages calculated and inserted.

Please ensure that you take the fielding plays from the correct side of the scorebook. The same applies for the pitching statistics. The fielding and pitching plays appear in the opposing team's scoresheet, but you compile the fielding and pitching extensions together with the batting extensions.

5.2 Batting average

5.3 Advance base runner average

5.4 Slugging average

5.5 On base average

5.6 On base percentage

5.7 Stolen base average

5.8 Fielding average

5.9 Earned run average

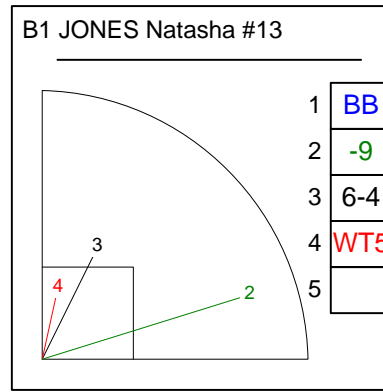
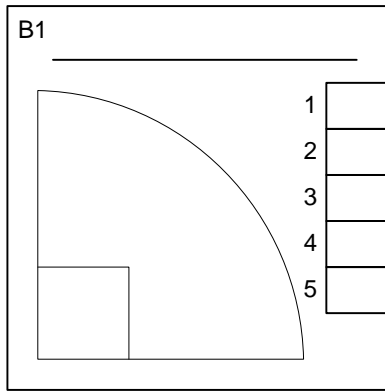
5.10 Win, loss and save

6 Charting

6.1 Batting charting

Batting charting is the act of obtaining information about batters of opposing teams you will play in a series of games. Charts can be compiled before playing a specific team or whilst your game is being played.

The information on this chart covers all batters in a team in a particular game. It shows the results achieved by the batter for each plate appearance.



- 1) Place the **surname, first name,** and **uniform number** in the space provided.
- 2) Write the outcome of each turn at bat in the numbered box — for example, **-9, F6, BB.**
- 3) Number the line on the diamond so that it corresponds with the turn at bat.

This is done using the same colours as are used in your scorebook.

7	JONES	Natasha	13					
				1	○	○	○	○
					BB	-9	6-4	WT5
					..2.	C.	5	x.

6.2 Pitching charting

7 Contacts

Additional scoring resources, including information on scoring courses and accreditation, can be found on the Softball Australia web site (www.softball.org.au).

Softball Australia



t 03 9417 0022
f 03 9417 3399
e info@softball.org.au
w www.softball.org.au
a Level 1, Suite 2
273 Wellington Street
Collingwood VIC 3066

Softball ACT



t 02 6278 3000
f 02 6278 3111
e office@act.softball.org.au
w www.act.softball.org.au
a PO Box 4264
Hawker ACT 2614

Softball NSW



t 02 9677 4000
f 02 9677 4040
e office@softball.net.au
w www.nsw.softball.org.au
a PO Box 210
Rooty Hill NSW 2766

Softball Northern Territory



t 08 8927 3333
f 08 8927 9999
e enquiries@softballnt.com
w www.nt.softball.org.au
a PO Box 37443
Winnellie NT 0821

Softball Queensland



t 07 3391 2447
f 07 3391 4734
e admin@softballqld.asn.au
w www.qld.softball.org.au
a 1/866 Main Street
Woolloongabba QLD 4102

Softball South Australia



t 08 8353 6766
f 08 8353 2480
e admin@softballsa.com.au
w www.sa.softball.org.au
a PO Box 275
West Beach SA 5024

Softball Tasmania



t 0409 383 960
f 03 6249 3589
e tassoftball@yahoo.com
w www.tas.softball.org.au
a GPO Box 2124
Hobart TAS 7001

Softball Victoria



t 03 9415 1745
f 03 9867 3018
e admin@softballvic.org.au
w www.victoria.softball.org.au
a PO Box 2018
Fitzroy VIC 3065

Softball Western Australia



t 08 9349 9911
f 08 9345 3553
e admin@softballwa.org.au
w www.wa.softball.org.au
a PO Box 450
Mirrabooka WA 6061