



**BADMINTON**  
SCOTLAND

# **General Competition Regulations**

# Table of Contents

- 1. APPLICATION .....3
- 2. ELIGIBILITY OF PLAYERS .....3
- 3. CONDITIONS OF ENTRY .....3
- 4. ACCEPTANCE OF ENTRY .....4
- 5. SEEDING & SELECTION .....5
- 6. THE DRAW .....5
- 7. SCHEDULING PLAY/REST TIMES .....9
- 8. WITHDRAWALS & SUBSTITUTES .....9
- 9. REFUND OF ENTRY FEES .....11
- 10. PLAYER ATTENDANCE .....11
- 11. CONDITIONS OF PLAY .....12
- 12. INJURY, ILLNESS AND OTHER INCIDENTS ON COURT PROTOCOL .....12
- 13. CLOTHING .....12
- 14. COACHING .....13
- 15. GENERAL .....13
- 16. PENALTY SYSTEM.....13
- APPENDIX A: CRITERIA FOR TOURNAMENTS.....14
- APPENDIX B: BYES AND SEEDING POSITIONS IN A DRAW .....15

The [Laws of Badminton](http://www.bwfbadminton.org) are available from the Badminton World Federation ([www.bwfbadminton.org](http://www.bwfbadminton.org)).

Badminton Scotland shall be referred to throughout as BS.

## 1. APPLICATION

- 1.1 The competition season shall be from 1st August to 31st July.
- 1.2 With the exception of International Tournaments sanctioned by BWF/Badminton Europe, these regulations apply to all BS sanctioned tournaments, unless otherwise stated in the Tournaments Terms and Conditions.
- 1.3 By organising, entering, playing badminton in/or participating in any way in a BS sanctioned tournament a person or entity agrees to be bound by and to comply with these regulations.
- 1.4 DATA PROTECTION By entering a sanctioned tournament, you agree to the organisers holding your personal information in order to contact you about future badminton tournaments and other relevant badminton opportunities. It will not be shared with any third parties. If you do not want your personal information used beyond the particular tournament, please contact the tournament organiser listed on the prospectus.

## 2. ELIGIBILITY OF PLAYERS

- 2.1 Players must have a valid membership in order to enter BS sanctioned competitions. Join or upgrade your membership online at [www.badmintonscotland.org.uk](http://www.badmintonscotland.org.uk)

## 3. CONDITIONS OF ENTRY

- 3.1 It is recommended that entries for tournaments close at least three weeks before the first day of play in the tournament. Entry must close no later than 2 weeks before the start of the tournament.
- 3.2 The seeds and acceptance lists should be published at least 7 days before the start day of the tournament.
- 3.3 The anticipated time of a player's first match should be notified to players at least 3 days before the start day of the tournament.
- 3.4 The draw should be published no less than 48 hours before the start of the tournament.
- 3.5 Entries must be made by the closing date and through the official entry process with payment. Any entry otherwise will be rejected, except at the discretion of the tournament committee. Under no circumstances should a new entry be accepted after the draw has been made.
- 3.6 In doubles, both members of the doubles pair must complete their entry and payment.
- 3.7 Tournaments may offer a 'partner wanted' option in doubles. By entering partner wanted you accept that the tournament committee will pair you with another player at their discretion, and by refusing a provided partner you will be subject to the normal withdrawal fees. The tournament committee cannot guarantee to find you a partner.

- 3.8 While every effort will be made to check all entries, it is ultimately the responsibility of the player to ensure that they comply with eligibility and entry regulations, and to ensure that all details are completed in full and correctly.
- 3.9 No player/pair shall enter or be entered in events of two competitions if the published dates of the events overlap unless otherwise agreed with the tournament organisers (this includes domestic and international tournaments).
- 3.9.1 A player is deemed to have entered if the entry has been made and not withdrawn on the closing date. Any subsequent withdrawal by a player / pair accepted in a tournament will not allow them to enter in any other tournament with overlapping dates.
- 3.9.2 Players in breach of this regulation may not be awarded ranking points for either tournament, and shall forfeit their entry fee.
- 3.10 Provided an event is not full the Tournament Committee, at its discretion, may accept late entries after the closing date. This must not otherwise result in the rejection of an entry in that event which was received before the closing date. The Tournament Committee may apply a late entry surcharge of £5 per player.
- 3.11 The Tournament Committee may at their discretion extend a closing date. This should then be considered as the closing date for the purposes of the regulations, and late entry surcharge cannot be applied.
- 3.12 Tournament Organisers are not liable for any expenses incurred as a result of a tournament/event being cancelled or postponed due to circumstances outside of their control. Organisers can only use their best judgement in respect to the health and safety of all players/volunteers/staff at the tournament.

Note: All expenses are at the sole risk of the competitor and we recommend all bookings are made so they can be cancelled at short notice.

## 4. ACCEPTANCE OF ENTRY

- 4.1 Acceptance of entry shall be pursuant to a player meeting the conditions of entry.
- 4.2 Entry itself does not mean that a player has been accepted into the tournament. If the entry has not been accepted, the tournament organiser must communicate this to the player/pair affected.
- 4.3 The tournament committee reserves the right to restrict entries where an event(s) is oversubscribed. The order in which eligible entries are accepted should be based on selection and seeding section '[5. SEEDING & SELECTION](#)'.
- 4.4 Surplus entries may be placed on a reserve list and will be invited to play should places become available. If the player is placed onto a reserve list and is not later promoted or declines to be promoted to the main draw they shall be provided a full refund of entry fee. If they accept and subsequently withdraw they will be liable to the normal withdrawal fees.
- 4.5 The Organiser/Organising Committee may refuse an entry with permission of BS, provided it is made on reasonable grounds and is otherwise lawful.

## 5. SEEDING & SELECTION

- 5.1 The order in which eligible entries are accepted shall usually be based on merit, unless additional or alternative selection processes are published in the Tournament Terms and Conditions and approved in advance by BS. The tournament committee reserve the right to use other criteria where standard of competitors is not known.
- 5.2 Selection and Seeding shall be based entirely on the BS National Ranking list three weeks prior to the event.
- 5.2.1 For doubles use the pairs average ranking.
- 5.2.2 If there are more players / pairs that have the same ranking than available places in the draw, the selection of entries shall be done by selecting the players / pairs who have attained their ranking by playing in the fewest competitions
- 5.2.3 If there are still more players / pairs that have the same ranking than available places in the draw, selection of entries shall be done by drawing lots.
- 5.3 Selection and seeding may be appealed if the published process has not been followed, pursuant to meeting other relevant regulations.
- 5.4 Seeds – KO or elimination format competitions: The number of seeds will be determined by size of the draw, as shown below. (for more entry sizes refer to [Appendix B 'Byes & Seeding Positions in a Draw'](#)).

| Entries | Seeds |
|---------|-------|
| 3-11    | 2     |
| 12-23   | 4     |
| 24-47   | 8     |
| 48-64   | 16    |

- 5.6 Seeds – Groups/round robin format competitions: For competitions played in a group format, each group should contain at least 1 seed when the initial draws are made.

## 6. THE DRAW

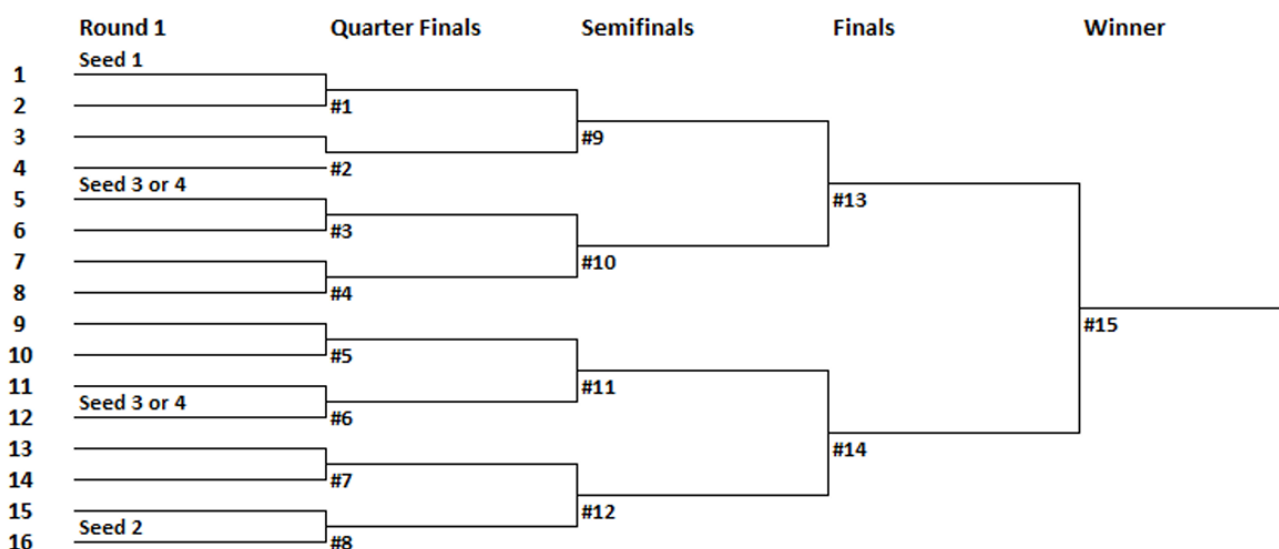
- 6.1 The order in which players/pairs will play one another will be determined by a draw.
- 6.2 The draw (including when Tournament Planner is used) will be conducted by the referee (or, in the absence of a referee an impartial person/committee).
- 6.3 The draw should be published no less than 48 hours before the start of the tournament.
- 6.4 There shall be no alteration in the published draw, except as permitted under regulation for withdrawals and substitutions, or due to possible omissions/errors.
- 6.5 Under no circumstances shall any player be permitted to compete more than once in the same event at any tournament.

- 6.6 All draws shall be made in the manner set out below and no dummy entry is permitted.
- 6.7 BYES: A Bye is where a Player advances automatically to the next round of the draw without being drawn to play, so as to produce a full second round of matches.
- 6.8 Separation of Entries: Player separation, ideally by club, is recommended for all tournaments conducted at any level of competition.

## KNOCKOUT OR ELIMINATION DRAW

- 6.9 Players will be drawn to meet each other in pairs, with progressive elimination until a winner is decided. Draws shall be made in the following sizes as a power of two; 2, 4, 8, 16, 32, 64, 128...etc.

Example:



- 6.10 If the number of entries is not a number in the following sequence (2, 4, 8, 16, 32, 64, 128...etc), byes will be inserted throughout the draw.
- 6.11 Seeds and byes:
- 6.11.1 The number of seeds and byes shall be placed per [Appendix B](#).
- 6.11.2 The top two seeded entries shall be dealt with as follows: 1 seed placed at the top of the draw; and 2 seed placed at the bottom of the draw.
- 6.11.3 If more than two seeds are drawn, then they shall be drawn by in the allocated slots for that seeding group. Eg. The 3/4 seeds drawn by lot to the remaining two quarters of the draw. The 5/ 8 drawn by lot to the remaining eighths of the draw...etc
- 6.12 Once the seeds and Byes have been placed in the draw, the remaining entries will be drawn by lot for the remaining positions.

Note: tournament planner will automatically place your seeds and entries in the correct positions using the “make draw” function.

## GROUP OR ROUND ROBIN DRAW

- 6.13 The terms Pool/Group/Round Robin may be used interchangeably.
- 6.14 Players will be arranged into a number of groups to progress to the final stage, which may be organised as a round robin or a knock-out format. Alternatively, an event may comprise solely of a single round robin main draw.
- 6.15 Groups are traditionally labelled by either letters, numbers or a combination of both. For the purposes of these regulations letters in alphabetical order will be used.
- 6.16 Each Player will play all the other players in the group.
- 6.17 All matches in the same group stage must be played to the same scoring format of games/points.
- 6.18 If the group stages are followed by a knockout stage, it is permissible to use a different scoring format in the knockout stage, but this should be published in advance.
- 6.19 Groups of different sizes:
  - 6.19.1 Groups of different sizes can be drawn, but group sizes in the same event (eg men's singles) should not differ by any more than one entry. However, it is noted that withdrawals/substitutions may affect your final group sizes being played.
  - 6.19.2 If there are byes in the next round, then the largest groups should always be placed as those with a bye.

Note: Having some groups with one more entry can help make arranging groups easier when dealing with late withdrawals/substitutions (see regulation '8.5.1).

- 6.20 Seeds:
  - 6.20.1 The number of seeds shall be based on the size of entry as per [Appendix B](#), with the caveat that each group must have at least one seed.
  - 6.20.2 Regardless of the number of seeds, the 1 seed shall be placed at the top of Group A and the 2 seed at the top of the Group B.
  - 6.20.3 With four or more seeds, the 1 and 2 seeds shall be placed as above, and two 3/4 seeds shall be drawn by lot into groups C and D and again placed at the top of their respective group....5/8 seeds shall be drawn by lot into groups E-H and again placed at the top of their respective group...and so on.
  - 6.20.4 If there are more seeds than groups, once each group has been allocated a seed, then any remaining seeds shall continue to be drawn by lot as per their seeding group, and be added from the lowest seeded group up to the highest in reverse group order.

Note: Tournament planner will automatically place them in the correct group but will not automatically place them to play last in the group rounds, so this change may need to be manually made.

## 6.21 Order of Play:

6.21.1 Where there are two seeded players in a group these should be scheduled to play one another in the last group round of matches. Note: Tournament Planner does not do this automatically.

6.21.2 The following order of plays are recommended for groups, however these may be adapted such as where there is more than one seed in a group, or where it supports tournament scheduling.

Note: These orders are the same as in Tournament Planner. However, adjustments are required for player positioning in accordance with regulation 6.21.1.

| Group of 3 | Group of 4 | Group of 5 | Group of 6 |
|------------|------------|------------|------------|
| 2 v 3      | 1 v 4      | 2 v 5      | 1 v 6      |
| 1 v 2      | 2 v 3      | 3 v 4      | 2 v 5      |
| 1 v 3      | 1 v 2      | 1 v 2      | 3 v 4      |
|            | 3 v 4      | 3 v 5      | 1 v 2      |
|            | 2 v 4      | 1 v 3      | 3 v 5      |
|            | 1 v 3      | 4 v 5      | 4 v 6      |
|            |            | 2 v 3      | 1 v 3      |
|            |            | 1 v 4      | 2 v 6      |
|            |            | 2 v 4      | 4 v 5      |
|            |            | 1 v 5      | 1 v 4      |
|            |            |            | 2 v 3      |
|            |            |            | 5 v 6      |
|            |            |            | 1 v 5      |
|            |            |            | 2 v 4      |
|            |            |            | 3 v 6      |

## 6.22 Results

6.22.1 If a player/pair is required to withdraw from their group due to illness, injury or other unavoidable hindrance before they have completed all their group matches, the results of all matches played by that player/pair must be discounted when deciding the group positions and will be positioned bottom of the group.

6.22.2 The method of deciding the winner and ranking of a group is described below:

- Positions will be decided by the number of matches won.
- If 2 players/pairs win the same number of matches the winner of the match between them will be placed higher.
- If 3 or more players/pairs win the same number of matches, positions will be decided by games difference – if this leaves 2 players/pairs the same then the winner of the match between them will be placed higher.
- If 3 or more players/pairs win the same number of matches and have equal games difference, positions will be decided by points difference – if this leaves 2 players/pairs the same then the winner of the match between them will be placed higher.
- If 3 or more players/pairs are still equal, positions will be decided by drawing lots.

6.22.3 If there are less groups than qualifying positions, for example if there are 3 groups, with 4 places available in the semi-final, the decision as to which second placed player/pair to progress should be decided based on the process below:

If sections have the same number of entries :

- i) Number of matches won
- ii) If same, then games difference
- iii) If same, then points difference
- iv) If same, then best score against winners (beat winners in 2, beat winners in 3, lost to winners in 3, lost to winners in 2, points difference against winners)

If sections have different number of entries, the bottom ranked entries must be discarded to make sections have same number of entries then follow rules above.

This must be done manually on tournamentsoftware.

## 7. SCHEDULING PLAY/REST TIMES

7.1 Play in any tournament shall not take place on days other than those specifically sanctioned.

7.1.1 It is recommended that any draw below 8 players/pairs should be considered to be played over 1 day only. This will be at the discretion of the referee.

7.2 No competitor shall be obliged to start a match before 9 a.m.

7.3 No competitor shall be obliged to start a match after (based on tournament age group):

|          | Senior  | Under 19-16 | Under 15-12 | Under 11 and below |
|----------|---------|-------------|-------------|--------------------|
| Saturday | 10:00pm | 9:00pm      | 8:00pm      | 7:00pm             |
| Sunday   | 9:00pm  | 8:00pm      | 7:00pm      | 6:00pm             |

7.4 Any competitor who is not prepared to play outside the times of play above shall be entitled to a refund of their entry fee.

7.5 Every player should be offered a suitable rest period from the end of the match to the start of their next match. Ordinarily we recommend at least 20 minutes in singles and at least 10 minutes in doubles.

## 8. WITHDRAWALS & SUBSTITUTES

8.1 After the seeding and selection have been published, by retiring or withdrawing from an event the player must be withdrawn from all other events in which they are entered. The referee has the discretion to overrule this regulation, where a player is unable to start or complete a game.

- 8.2 Seeding and selection should be updated following withdrawal/player changes up to the point of the draw being made, such that when the draw is made it is with a full allocation of seeds and players. If players withdraw after the draw is made, seeding of players should not be changed unless there is a redraw for that event.
- 8.3 The referee may redraw a particular event draw if it has not yet begun and it has been rendered significantly imbalanced.
- 8.4 Once the draw has been made, if a player withdraws before a match starts and there is no substitute then it shall be recorded as a 'walkover' to the opponent. All other matches for the retired player in that event shall be considered a walkover (for example more group matches).
- 8.5 Stopping midway in a match shall be considered as 'retired' and the scores recorded as reached, and the opponent as the winner. All other matches for the retired player in that event shall be considered a walkover (for example more group matches).
- 8.6 The referee shall only permit alterations to the draw if made before the first scheduled match of that event if a player is prevented from competing due to illness, injury or other unavoidable hindrance. Alterations may include:
- Moving players in a group draw (regulation 8.7)
  - Substitution (regulation 8.8)
- 8.7 Moving players in a group draw - if you cannot find a substitute, it may be possible to move players such that:
- 8.7.1 Where some groups are larger than others, then the player drawn into the bottom of a larger group may be used to substitute into another group to bring that group up to normal size. This is provided that it does not reduce the donor group below the average size
- 8.7.2 Groups may be combined to provide an even number of entries in all groups, or to meet the minimum number of games as stated in the tournament T&C's. Any new groups formed must conform with 8.7.1 above. A re-draw may be necessary depending on the circumstances.
- 8.7.3 Where possible every effort should be made to substitute within the same eighth, quarter or half of the draw and to maintain the integrity of the seeding.
- 8.8 Substitution must be made in accordance with the rules below:
- 8.8.1 Substitution in singles:
- 8.8.1.1 By players firstly from the published reserve list who entered that event
- 8.8.2 Substitution in doubles:
- 8.8.2.1 If only one player in a pairing withdraws, substitution is permitted to enable the remaining player to find a new partner. The new player must already have entered the tournament in another discipline to be eligible. If the player remaining in the draw cannot find a partner within a reasonable time, then they will forfeit their place in the draw.

- 8.8.2.2 The constitution of any other pair in the main draw shall not be affected, except that if there are withdrawals from two pairs the remaining players shall be permitted to partner each other. The resulting pairing is placed in the most advanced position previously occupied by either of the original pairings. For example, if pair AA was in round 16 and pair BB in round 8, pair AB would be placed in round 8. If the 2 original couples were both in the same round, the position is decided by drawing lots.
- 8.8.2.3 If a pair withdraws, then firstly by pairs from the reserve list, then by pairs formed from partner wanted entries on the reserve list or that have entered the tournament in another discipline.
- 8.8.3 Any substitute player/pair is permitted only if they would not have changed the seedings of the original draw.
- 8.8.4 When more than one vacancy occurs in the draw such vacancies shall be filled by lot subject to ensuring that those with a bye are filled in preference to those without.
- 8.8.5 Reserves should be notified to confirm being entered into the draw.

## 9. REFUND OF ENTRY FEES

- 9.1 A full refund is entitled:
  - 9.1.1 If the player withdraws before the entry closes.
  - 9.1.2 If the player is placed onto a reserve list and is not later promoted or declines to be promoted to the main draw.
  - 9.1.3 In doubles, where a player has submitted an open entry but has not been allocated a partner, they should receive a full refund of the entry fee for that event.
  - 9.1.4 In doubles, where a player withdraws, their partner is entitled to a full refund. However, the withdrawing player will be subject to normal refund policies below.
  - 9.1.5 Where entry conditions are changed.
- 9.2 Any withdrawal will be subject to the refund policies below:
  - 9.2.1 After entry has closed and before the draw is made, any competitor who may be prevented from playing by illness, injury or other unavoidable hindrance, shall have their entry fees returned in full, less £5 set handling charge.
  - 9.2.2 No refund will be paid once the draws have been made.

## 10. PLAYER ATTENDANCE

- 10.1 Each player must sign-in or inform the referee/tournament organiser of their arrival at least 15 minutes before the start of their first match. A player will be deemed to be absent unless and until this is done.

- 10.2 Any competitor not ready to play when called will be liable to be scratched. Each player is responsible for ascertaining when they are scheduled to play.
- 10.3 If a player is going to be late for a scheduled match, they must contact the referee/organiser using the given details, explain the reason for the lateness and provide an estimated time of arrival.
- 10.4 The referee may, in his/her absolute discretion, delay the start of the match accordingly (in which case the Referee must inform the opponent(s) immediately).
- 10.5 Players should not leave site without the permission of the referee or organiser if they still have matches left to play.

## 11. CONDITIONS OF PLAY

- 11.1 Players under the age of 16 must always have a parent/carer in attendance at the tournament. We recommend players between 16 and 18 years of age are accompanied by a parent/carer but must provide contact details for a parent/carer in the case of an emergency.
- 11.2 The period for knocking up before any match shall not exceed two minutes.
- 11.3 A player may only leave the court during a match (including during the warm-up) with the permission of the umpire. Where no umpire is present, a player may only leave the court during a match (including during the warm-up) with the permission of the referee or to call the referee to court.
- 11.4 Any safeguarding concerns can be made to the appointed Safeguarding person at the tournament, or for further guidance on reporting please contact Badminton Scotland at [safeguarding@badmintonscotland.org.uk](mailto:safeguarding@badmintonscotland.org.uk)
- 11.5 Ranking points - see the BS website for full details
- 11.7 Any changes to the conditions of play must be notified to the players. Affected competitors have the right to withdraw as a result of any significant change and receive a full refund of their entry fees. These refunds should be made by the tournament organiser within 14 days of the last day of the tournament.

## 12. INJURY, ILLNESS AND OTHER INCIDENTS ON COURT PROTOCOL

The referee shall put the best interests of players first and in fairness to all, try to ensure that all those involved are kept informed and given every consideration when making their decision.

The referee has a similar duty of care to all officials and other volunteers working within the field of play.

## 13. CLOTHING

All clothing must be appropriate sports attire, or that is required for medical, religious or cultural reasons (replica or other sport specific is not allowed). Suitability will be at the discretion of the referee.

## 14. COACHING

Please refer to our [Guidance for Coaching Breaks in Scotland](#)

## 15. GENERAL

BS shall have full power to decide upon any points not covered by the foregoing regulations and shall have the right to vary the foregoing regulations in the interests of promoting and developing the game. Deviation from these regulations should only be made with BS approval, with the caveat that Badminton Scotland recognises that the referee of a tournament should be able to make decisions in real time during that tournament, whilst always aiming to comply with these regulations.

## 16. PENALTY SYSTEM

The following penalty system shall apply to all sanctioned competitions and events.

|                                                                                             |                                                                                                                                                 |
|---------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| i) Failure to arrive without notification                                                   | 1 <sup>st</sup> offence: written warning<br>2 <sup>nd</sup> offence: Penalty £20                                                                |
| ii) Failure to arrive with notification but without proper reason                           | 1 <sup>st</sup> offence: written warning<br>2 <sup>nd</sup> offence: Penalty £20                                                                |
| iii) Late arrival on court without proper reason                                            | Penalty £20                                                                                                                                     |
| iv) Failure to pay entry fee to any tournament sanctioned by BS                             | Debarred from playing in all sanctioned tournaments.                                                                                            |
| v) Yellow Card for Misconduct<br>(yellow cards will be reset 12 months after date of issue) | 1 <sup>st</sup> offence: written warning<br>2 <sup>nd</sup> offence: Penalty £20<br>3 <sup>rd</sup> offence: Referred to a disciplinary hearing |
| vi) Red Card for Misconduct<br>(red cards will be reset 24 months after date of issue)      | 1 <sup>st</sup> offence: Penalty £20<br>2 <sup>nd</sup> offence: Penalty £40<br>3 <sup>rd</sup> offence: Referred to a disciplinary hearing     |
| vii) Black Card for Misconduct                                                              | Referred to a disciplinary hearing                                                                                                              |
| viii) Failure to pay a penalty                                                              | Suspension from tournaments.                                                                                                                    |

Cards can be issued by umpires and tournament referees.

Players are entitled to make an appeal through the appropriate channels.

## Appendix A: Criteria for Tournaments

| <b>Gold:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>Silver:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>• Group Tournaments Only (max of 1 per Group)</li> <li>• To be run &amp; published on tournamentsoftware</li> <li>• All players to be Badminton Scotland members</li> <li>• Two day competition</li> <li>• 3 games to 21 with setting in main event (consolation events can use different scoring format if required)</li> <li>• All disciplines must be available</li> <li>• Coaching breaks: only permitted in U15 events or older</li> <li>• Must have a named referee or tournament organiser and use technical officials</li> <li>• Minimum two matches per event</li> <li>• Play in groups or run consolation event</li> <li>• Optional scheduling of disciplines</li> <li>• Tournament organiser to do seedings based on Scottish ranking lists</li> </ul> | <ul style="list-style-type: none"> <li>• To be applied for through Group and supported by the Group</li> <li>• To be run &amp; published on tournamentsoftware</li> <li>• All players to be Badminton Scotland members</li> <li>• One or two day competition</li> <li>• Optional scoring formats</li> <li>• Restricted disciplines allowed (eg doubles only)</li> <li>• No coaching breaks allowed</li> <li>• Must have a named referee or tournament organiser</li> <li>• Minimum two matches per event</li> <li>• Play in groups or run consolation event</li> <li>• Optional scheduling of disciplines</li> <li>• Tournament organiser to do seedings based on Scottish ranking lists</li> </ul> |
| <b>Bronze:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>Copper:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <ul style="list-style-type: none"> <li>• To be applied for through Group and supported by the Group</li> <li>• To be run &amp; published on tournamentsoftware</li> <li>• All players to be Badminton Scotland members</li> <li>• One or two day competition</li> <li>• Optional scoring formats</li> <li>• Restricted disciplines allowed (eg doubles only)</li> <li>• No coaching breaks allowed</li> <li>• Must have a named referee or tournament organiser</li> <li>• Minimum two matches per event</li> <li>• Play in groups or run consolation event</li> <li>• Optional scheduling of disciplines</li> <li>• Tournament organiser to do seedings based on Scottish ranking lists</li> </ul>                                                                                                      | <ul style="list-style-type: none"> <li>• To be applied for through Group and supported by the Group</li> <li>• To be run &amp; published on tournament software</li> <li>• All players to be Badminton Scotland members</li> <li>• One day event</li> <li>• Optional scoring formats</li> <li>• Restricted disciplines allowed (eg doubles only)</li> <li>• No coaching breaks allowed</li> <li>• Must have a named tournament organiser</li> <li>• Minimum three matches per event</li> <li>• Optional scheduling of disciplines</li> <li>• Round Robin/ladder or similar format</li> <li>• No seeding required</li> </ul>                                                                         |
| Scottish National Championships will receive a National Grade higher than "Gold".                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

## Appendix B: Byes and Seeding Positions in a Draw

Placing of byes and seeds in a draw shall follow the regulations below unless otherwise stated in the specific tournament regulation.

**Table 1** (for 3 to 16 entries) On a draw sheet numbered 1 to 16.

| Entries | No of seeds | Seed 1 | Seed 2 | Seeds 3/4 | No of byes | Placement of byes |            |
|---------|-------------|--------|--------|-----------|------------|-------------------|------------|
| 3       | 2           | 1      | 8      |           | 1          | 2                 |            |
| 4       | 2           | 1      | 8      |           | 0          |                   |            |
| 5       | 2           | 1      | 8      |           | 3          | 2, 4, 7           |            |
| 6       | 2           | 1      | 8      |           | 2          | 2, 7              |            |
| 7       | 2           | 1      | 8      |           | 1          | 2                 |            |
| 8       | 2           | 1      | 8      |           | 0          |                   |            |
| 9       | 2           | 1      | 16     | -         | 7          | 2, 4, 6, 8,       | 11, 13, 15 |
| 10      | 2           | 1      | 16     | -         | 6          | 2, 4, 6,          | 11, 13, 15 |
| 11      | 2           | 1      | 16     | -         | 5          | 2, 4, 6,          | 11, 15     |
| 12      | 4           | 1      | 16     | 5, 12     | 4          | 2, 6,             | 11, 15     |
| 13      | 4           | 1      | 16     | 5, 12     | 3          | 2, 6,             | 15         |
| 14      | 4           | 1      | 16     | 5, 12     | 2          | 2,                | 15         |
| 15      | 4           | 1      | 16     | 5, 12     | 1          | 2                 |            |
| 16      | 4           | 1      | 16     | 5, 12     | 0          | -                 |            |

**Table 2** (for 17 to 32 entries) On a draw sheet numbered 1 to 32.

| Entries | No of seeds | Seed 1 | Seed 2 | Seeds 3/4 | Seeds 5/8     | No of byes | Placement of byes           |                            |
|---------|-------------|--------|--------|-----------|---------------|------------|-----------------------------|----------------------------|
| 17      | 4           | 1      | 32     | 9, 24     | -             | 15         | 2, 4, 6, 8, 10, 12, 14, 16, | 19, 21, 23, 25, 27, 29, 31 |
| 18      | 4           | 1      | 32     | 9, 24     | -             | 14         | 2, 4, 6, 8, 10, 12, 14,     | 19, 21, 23, 25, 27, 29, 31 |
| 19      | 4           | 1      | 32     | 9, 24     | -             | 13         | 2, 4, 6, 8, 10, 12, 14,     | 19, 21, 23, 27, 29, 31     |
| 20      | 4           | 1      | 32     | 9, 24     | -             | 12         | 2, 4, 6, 10, 12, 14,        | 19, 21, 23, 27, 29, 31     |
| 21      | 4           | 1      | 32     | 9, 24     | -             | 11         | 2, 4, 6, 10, 12, 14,        | 19, 23, 27, 29, 31         |
| 22      | 4           | 1      | 32     | 9, 24     | -             | 10         | 2, 4, 6, 10, 14,            | 19, 23, 27, 29, 31         |
| 23      | 4           | 1      | 32     | 9, 24     | -             | 9          | 2, 4, 6, 10, 14,            | 19, 23, 27, 31             |
| 24      | 8           | 1      | 32     | 9, 24     | 5, 13, 20, 28 | 8          | 2, 6, 10, 14,               | 19, 23, 27, 31             |
| 25      | 8           | 1      | 32     | 9, 24     | 5, 13, 20, 28 | 7          | 2, 6, 10, 14,               | 23, 27, 31                 |
| 26      | 8           | 1      | 32     | 9, 24     | 5, 13, 20, 28 | 6          | 2, 6, 10,                   | 23, 27, 31                 |
| 27      | 8           | 1      | 32     | 9, 24     | 5, 13, 20, 28 | 5          | 2, 6, 10,                   | 23, 31                     |
| 28      | 8           | 1      | 32     | 9, 24     | 5, 13, 20, 28 | 4          | 2, 10,                      | 23, 31                     |
| 29      | 8           | 1      | 32     | 9, 24     | 5, 13, 20, 28 | 3          | 2, 10,                      | 31                         |
| 30      | 8           | 1      | 32     | 9, 24     | 5, 13, 20, 28 | 2          | 2,                          | 31                         |
| 31      | 8           | 1      | 32     | 9, 24     | 5, 13, 20, 28 | 1          | 2                           |                            |
| 32      | 8           | 1      | 32     | 9, 24     | 5, 13, 20, 28 | 0          | -                           |                            |

**Table 3** (for 33 to 64 entries) On a draw sheet numbered 1 to 64.

| Entries | No of seed | Seed 1 | Seed 2 | Seeds 3/4 | Seeds 5/8     | Seeds 9/16                    | No of byes | Placement of byes           |                                 |                             |                                |
|---------|------------|--------|--------|-----------|---------------|-------------------------------|------------|-----------------------------|---------------------------------|-----------------------------|--------------------------------|
| 33      | 8          | 1      | 64     | 17,       | 9, 25, 40, 56 |                               | 31         | 2, 4, 6, 8, 10, 12, 14, 16, | 18, 20, 22, 24, 26, 28, 30, 32, | 35, 37, 39, 41, 43, 45, 47, | 49, 51, 53, 55, 57, 59, 61, 63 |
| 34      | 8          | 1      | 64     | 17,       | 9, 25, 40, 56 |                               | 30         | 2, 4, 6, 8, 10, 12, 14, 16, | 18, 20, 22, 24, 26, 28, 30,     | 35, 37, 39, 41, 43, 45, 47, | 49, 51, 53, 55, 57, 59, 61, 63 |
| 35      | 8          | 1      | 64     | 17,       | 9, 25, 40, 56 |                               | 29         | 2, 4, 6, 8, 10, 12, 14, 16, | 18, 20, 22, 24, 26, 28, 30,     | 35, 37, 39, 41, 43, 45, 47, | 51, 53, 55, 57, 59, 61, 63     |
| 36      | 8          | 1      | 64     | 17,       | 9, 25, 40, 56 |                               | 28         | 2, 4, 6, 8, 10, 12, 14,     | 18, 20, 22, 24, 26, 28, 30,     | 35, 37, 39, 41, 43, 45, 47, | 51, 53, 55, 57, 59, 61, 63     |
| 37      | 8          | 1      | 64     | 17,       | 9, 25, 40, 56 |                               | 27         | 2, 4, 6, 8, 10, 12, 14,     | 18, 20, 22, 24, 26, 28, 30,     | 35, 37, 39, 43, 45, 47,     | 51, 53, 55, 57, 59, 61, 63     |
| 38      | 8          | 1      | 64     | 17,       | 9, 25, 40, 56 |                               | 26         | 2, 4, 6, 8, 10, 12, 14,     | 18, 20, 22, 26, 28, 30,         | 35, 37, 39, 43, 45, 47,     | 51, 53, 55, 57, 59, 61, 63     |
| 39      | 8          | 1      | 64     | 17,       | 9, 25, 40, 56 |                               | 25         | 2, 4, 6, 8, 10, 12, 14,     | 18, 20, 22, 26, 28, 30,         | 35, 37, 39, 43, 45, 47,     | 51, 53, 55, 59, 61, 63         |
| 40      | 8          | 1      | 64     | 17,       | 9, 25, 40, 56 |                               | 24         | 2, 4, 6, 10, 12, 14,        | 18, 20, 22, 26, 28, 30,         | 35, 37, 39, 43, 45, 47,     | 51, 53, 55, 59, 61, 63         |
| 41      | 8          | 1      | 64     | 17,       | 9, 25, 40, 56 |                               | 23         | 2, 4, 6, 10, 12, 14,        | 18, 20, 22, 26, 28, 30,         | 35, 39, 43, 45, 47,         | 51, 53, 55, 59, 61, 63         |
| 42      | 8          | 1      | 64     | 17,       | 9, 25, 40, 56 |                               | 22         | 2, 4, 6, 10, 12, 14,        | 18, 20, 22, 26, 30,             | 35, 39, 43, 45, 47,         | 51, 53, 55, 59, 61, 63         |
| 43      | 8          | 1      | 64     | 17,       | 9, 25, 40, 56 |                               | 21         | 2, 4, 6, 10, 12, 14,        | 18, 20, 22, 26, 30,             | 35, 39, 43, 45, 47,         | 51, 55, 59, 61, 63             |
| 44      | 8          | 1      | 64     | 17,       | 9, 25, 40, 56 |                               | 20         | 2, 4, 6, 10, 14,            | 18, 20, 22, 26, 30,             | 35, 39, 43, 45, 47,         | 51, 55, 59, 61, 63             |
| 45      | 8          | 1      | 64     | 17,       | 9, 25, 40, 56 |                               | 19         | 2, 4, 6, 10, 14,            | 18, 20, 22, 26, 30,             | 35, 39, 43, 47,             | 51, 55, 59, 61, 63             |
| 46      | 8          | 1      | 64     | 17,       | 9, 25, 40, 56 |                               | 18         | 2, 4, 6, 10, 14,            | 18, 22, 26, 30,                 | 35, 39, 43, 47,             | 51, 55, 59, 61, 63             |
| 47      | 8          | 1      | 64     | 17,       | 9, 25, 40, 56 |                               | 17         | 2, 4, 6, 10, 14,            | 18, 22, 26, 30,                 | 35, 39, 43, 47,             | 51, 55, 59, 63                 |
| 48      | 16         | 1      | 64     | 17,       | 9, 25, 40, 56 | 5, 13, 21, 29, 36, 44, 52, 60 | 16         | 2, 6 10, 14,                | 18, 22, 26, 30,                 | 35, 39, 43, 47,             | 51, 55, 59, 63                 |
| 49      | 16         | 1      | 64     | 17,       | 9, 25, 40, 56 | 5, 13, 21, 29, 36, 44, 52, 60 | 15         | 2, 6 10, 14,                | 18, 22, 26, 30,                 | 39, 43, 47,                 | 51, 55, 59, 63                 |
| 50      | 16         | 1      | 64     | 17,       | 9, 25, 40, 56 | 5, 13, 21, 29, 36, 44, 52, 60 | 14         | 2, 6 10, 14,                | 18, 22, 26,                     | 39, 43, 47,                 | 51, 55, 59, 63                 |
| 51      | 16         | 1      | 64     | 17,       | 9, 25, 40, 56 | 5, 13, 21, 29, 36, 44, 52, 60 | 13         | 2, 6 10, 14,                | 18, 22, 26,                     | 39, 43, 47,                 | 55, 59, 63                     |
| 52      | 16         | 1      | 64     | 17,       | 9, 25, 40, 56 | 5, 13, 21, 29, 36, 44, 52, 60 | 12         | 2, 6 10,                    | 18, 22, 26,                     | 39, 43, 47,                 | 55, 59, 63                     |
| 53      | 16         | 1      | 64     | 17,       | 9, 25, 40, 56 | 5, 13, 21, 29, 36, 44, 52, 60 | 11         | 2, 6 10,                    | 18, 22, 26,                     | 39, 47,                     | 55, 59, 63                     |
| 54      | 16         | 1      | 64     | 17,       | 9, 25, 40, 56 | 5, 13, 21, 29, 36, 44, 52, 60 | 10         | 2, 6 10,                    | 18, 26,                         | 39, 47,                     | 55, 59, 63                     |
| 55      | 16         | 1      | 64     | 17,       | 9, 25, 40, 56 | 5, 13, 21, 29, 36, 44, 52, 60 | 9          | 2, 6 10,                    | 18, 26,                         | 39, 47,                     | 55, 63                         |
| 56      | 16         | 1      | 64     | 17,       | 9, 25, 40, 56 | 5, 13, 21, 29, 36, 44, 52, 60 | 8          | 2, 10,                      | 18, 26,                         | 39, 47,                     | 55, 63                         |
| 57      | 16         | 1      | 64     | 17,       | 9, 25, 40, 56 | 5, 13, 21, 29, 36, 44, 52, 60 | 7          | 2, 10,                      | 18, 26,                         | 47,                         | 55, 63                         |
| 58      | 16         | 1      | 64     | 17,       | 9, 25, 40, 56 | 5, 13, 21, 29, 36, 44, 52, 60 | 6          | 2, 10,                      | 18,                             | 47,                         | 55, 63                         |
| 59      | 16         | 1      | 64     | 17,       | 9, 25, 40, 56 | 5, 13, 21, 29, 36, 44, 52, 60 | 5          | 2, 10,                      | 18,                             | 47,                         | 63                             |
| 60      | 16         | 1      | 64     | 17,       | 9, 25, 40, 56 | 5, 13, 21, 29, 36, 44, 52, 60 | 4          | 2,                          | 18,                             | 47,                         | 63                             |
| 61      | 16         | 1      | 64     | 17,       | 9, 25, 40, 56 | 5, 13, 21, 29, 36, 44, 52, 60 | 3          | 2,                          | 18,                             |                             | 63                             |
| 62      | 16         | 1      | 64     | 17,       | 9, 25, 40, 56 | 5, 13, 21, 29, 36, 44, 52, 60 | 2          | 2,                          |                                 |                             | 63                             |
| 63      | 16         | 1      | 64     | 17,       | 9, 25, 40, 56 | 5, 13, 21, 29, 36, 44, 52, 60 | 1          | 2                           |                                 |                             |                                |
| 64      | 16         | 1      | 64     | 17,       | 9, 25, 40, 56 | 5, 13, 21, 29, 36, 44, 52, 60 | 0          | -                           |                                 |                             |                                |

**Table 4 ( Seeds for 65 to 128 entries) \_On a draw sheet numbered 1 to 128.**

| Entries | No of seeds | Seed 1 | Seed 2 | Seeds 3/4 | Seeds 5/8       | Seeds 9/16                      |
|---------|-------------|--------|--------|-----------|-----------------|---------------------------------|
| 65      | 16          | 1      | 128    | 33, 96    | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 66      | 16          | 1      | 128    | 33, 96    | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 67      | 16          | 1      | 128    | 33, 96    | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 68      | 16          | 1      | 128    | 33, 96    | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 69      | 16          | 1      | 128    | 33, 96    | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 70      | 16          | 1      | 128    | 33, 96    | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 71      | 16          | 1      | 128    | 33, 96    | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 72      | 16          | 1      | 128    | 33, 96    | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 73      | 16          | 1      | 128    | 33, 96    | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 74      | 16          | 1      | 128    | 33, 96    | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 75      | 16          | 1      | 128    | 33, 96    | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 76      | 16          | 1      | 128    | 33, 96    | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 77      | 16          | 1      | 128    | 33, 96    | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 78      | 16          | 1      | 128    | 33, 96    | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 79      | 16          | 1      | 128    | 33, 96    | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 80      | 16          | 1      | 128    | 33, 96    | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 81      | 16          | 1      | 128    | 33, 96    | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 82      | 16          | 1      | 128    | 33, 96    | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 83      | 16          | 1      | 128    | 33, 96    | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 84      | 16          | 1      | 128    | 33, 96    | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 85      | 16          | 1      | 128    | 33, 96    | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 86      | 16          | 1      | 128    | 33, 96    | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 87      | 16          | 1      | 128    | 33, 96    | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 88      | 16          | 1      | 128    | 33, 96    | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 89      | 16          | 1      | 128    | 33, 96    | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 90      | 16          | 1      | 128    | 33, 96    | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 91      | 16          | 1      | 128    | 33, 96    | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 92      | 16          | 1      | 128    | 33, 96    | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 93      | 16          | 1      | 128    | 33, 96    | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 94      | 16          | 1      | 128    | 33, 96    | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 95      | 16          | 1      | 128    | 33, 96    | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |
| 96      | 16          | 1      | 128    | 33, 96    | 17, 49, 80, 112 | 9, 25, 41, 57, 72, 88, 104, 120 |

**Table 4 (continued)**

| Entries | No of seeds | Seed 1 | Seed 2 | Seeds $\frac{3}{4}$ | Seeds $\frac{5}{8}$ | Seeds $\frac{9}{16}$            |
|---------|-------------|--------|--------|---------------------|---------------------|---------------------------------|
| 97      | 16          | 1      | 128    | 33, 96              | 17, 49, 80, 112     | 9, 25, 41, 57, 72, 88, 104, 120 |
| 98      | 16          | 1      | 128    | 33, 96              | 17, 49, 80, 112     | 9, 25, 41, 57, 72, 88, 104, 120 |
| 99      | 16          | 1      | 128    | 33, 96              | 17, 49, 80, 112     | 9, 25, 41, 57, 72, 88, 104, 120 |
| 100     | 16          | 1      | 128    | 33, 96              | 17, 49, 80, 112     | 9, 25, 41, 57, 72, 88, 104, 120 |
| 101     | 16          | 1      | 128    | 33, 96              | 17, 49, 80, 112     | 9, 25, 41, 57, 72, 88, 104, 120 |
| 102     | 16          | 1      | 128    | 33, 96              | 17, 49, 80, 112     | 9, 25, 41, 57, 72, 88, 104, 120 |
| 103     | 16          | 1      | 128    | 33, 96              | 17, 49, 80, 112     | 9, 25, 41, 57, 72, 88, 104, 120 |
| 104     | 16          | 1      | 128    | 33, 96              | 17, 49, 80, 112     | 9, 25, 41, 57, 72, 88, 104, 120 |
| 105     | 16          | 1      | 128    | 33, 96              | 17, 49, 80, 112     | 9, 25, 41, 57, 72, 88, 104, 120 |
| 106     | 16          | 1      | 128    | 33, 96              | 17, 49, 80, 112     | 9, 25, 41, 57, 72, 88, 104, 120 |
| 107     | 16          | 1      | 128    | 33, 96              | 17, 49, 80, 112     | 9, 25, 41, 57, 72, 88, 104, 120 |
| 108     | 16          | 1      | 128    | 33, 96              | 17, 49, 80, 112     | 9, 25, 41, 57, 72, 88, 104, 120 |
| 109     | 16          | 1      | 128    | 33, 96              | 17, 49, 80, 112     | 9, 25, 41, 57, 72, 88, 104, 120 |
| 110     | 16          | 1      | 128    | 33, 96              | 17, 49, 80, 112     | 9, 25, 41, 57, 72, 88, 104, 120 |
| 111     | 16          | 1      | 128    | 33, 96              | 17, 49, 80, 112     | 9, 25, 41, 57, 72, 88, 104, 120 |
| 112     | 16          | 1      | 128    | 33, 96              | 17, 49, 80, 112     | 9, 25, 41, 57, 72, 88, 104, 120 |
| 113     | 16          | 1      | 128    | 33, 96              | 17, 49, 80, 112     | 9, 25, 41, 57, 72, 88, 104, 120 |
| 114     | 16          | 1      | 128    | 33, 96              | 17, 49, 80, 112     | 9, 25, 41, 57, 72, 88, 104, 120 |
| 115     | 16          | 1      | 128    | 33, 96              | 17, 49, 80, 112     | 9, 25, 41, 57, 72, 88, 104, 120 |
| 116     | 16          | 1      | 128    | 33, 96              | 17, 49, 80, 112     | 9, 25, 41, 57, 72, 88, 104, 120 |
| 117     | 16          | 1      | 128    | 33, 96              | 17, 49, 80, 112     | 9, 25, 41, 57, 72, 88, 104, 120 |
| 118     | 16          | 1      | 128    | 33, 96              | 17, 49, 80, 112     | 9, 25, 41, 57, 72, 88, 104, 120 |
| 119     | 16          | 1      | 128    | 33, 96              | 17, 49, 80, 112     | 9, 25, 41, 57, 72, 88, 104, 120 |
| 120     | 16          | 1      | 128    | 33, 96              | 17, 49, 80, 112     | 9, 25, 41, 57, 72, 88, 104, 120 |
| 121     | 16          | 1      | 128    | 33, 96              | 17, 49, 80, 112     | 9, 25, 41, 57, 72, 88, 104, 120 |
| 122     | 16          | 1      | 128    | 33, 96              | 17, 49, 80, 112     | 9, 25, 41, 57, 72, 88, 104, 120 |
| 123     | 16          | 1      | 128    | 33, 96              | 17, 49, 80, 112     | 9, 25, 41, 57, 72, 88, 104, 120 |
| 124     | 16          | 1      | 128    | 33, 96              | 17, 49, 80, 112     | 9, 25, 41, 57, 72, 88, 104, 120 |
| 125     | 16          | 1      | 128    | 33, 96              | 17, 49, 80, 112     | 9, 25, 41, 57, 72, 88, 104, 120 |
| 126     | 16          | 1      | 128    | 33, 96              | 17, 49, 80, 112     | 9, 25, 41, 57, 72, 88, 104, 120 |
| 127     | 16          | 1      | 128    | 33, 96              | 17, 49, 80, 112     | 9, 25, 41, 57, 72, 88, 104, 120 |
| 128     | 16          | 1      | 128    | 33, 96              | 17, 49, 80, 112     | 9, 25, 41, 57, 72, 88, 104, 120 |

**Table 5 (Bytes for 65 to 128 entries)** On a draw sheet numbered 1 to 128.

| Entries | No of bytes | Placement of bytes             |                                    |                                    |                                    |                                |                                    |                                          |                                           |
|---------|-------------|--------------------------------|------------------------------------|------------------------------------|------------------------------------|--------------------------------|------------------------------------|------------------------------------------|-------------------------------------------|
| 65      | 63          | 2, 4, 6, 8,<br>10, 12, 14, 16, | 18, 20, 22, 24,<br>26, 28, 30, 32, | 34, 36, 38, 40,<br>42, 44, 46, 48, | 50, 52, 54, 56,<br>58, 60, 62, 64, | 67, 69, 71,<br>73, 75, 77, 79, | 81, 83, 85, 87,<br>89, 91, 93, 95, | 97, 99, 101, 103,<br>105, 107, 109, 111, | 113, 115, 117, 119,<br>121, 123, 125, 127 |
| 66      | 62          | 2, 4, 6, 8,<br>10, 12, 14, 16, | 18, 20, 22, 24,<br>26, 28, 30, 32, | 34, 36, 38, 40,<br>42, 44, 46, 48, | 50, 52, 54, 56,<br>58, 60, 62,     | 67, 69, 71,<br>73, 75, 77, 79, | 81, 83, 85, 87,<br>89, 91, 93, 95, | 97, 99, 101, 103,<br>105, 107, 109, 111, | 113, 115, 117, 119,<br>121, 123, 125, 127 |
| 67      | 61          | 2, 4, 6, 8,<br>10, 12, 14, 16, | 18, 20, 22, 24,<br>26, 28, 30, 32  | 34, 36, 38, 40,<br>42, 44, 46, 48, | 50, 52, 54, 56,<br>58, 60, 62,     | 67, 69, 71,<br>73, 75, 77, 79, | 81, 83, 85, 87,<br>89, 91, 93, 95, | 99, 101, 103,<br>105, 107, 109, 111,     | 113, 115, 117, 119,<br>121, 123, 125, 127 |
| 68      | 60          | 2, 4, 6, 8,<br>10, 12, 14, 16, | 18, 20, 22, 24,<br>26, 28, 30,     | 34, 36, 38, 40,<br>42, 44, 46, 48, | 50, 52, 54, 56,<br>58, 60, 62,     | 67, 69, 71,<br>73, 75, 77, 79, | 81, 83, 85, 87,<br>89, 91, 93, 95, | 99, 101, 103,<br>105, 107, 109, 111,     | 113, 115, 117, 119,<br>121, 123, 125, 127 |
| 69      | 59          | 2, 4, 6, 8,<br>10, 12, 14, 16, | 18, 20, 22, 24,<br>26, 28, 30,     | 34, 36, 38, 40,<br>42, 44, 46, 48, | 50, 52, 54, 56,<br>58, 60, 62,     | 67, 69, 71,<br>73, 75, 77, 79, | 83, 85, 87,<br>89, 91, 93, 95,     | 99, 101, 103,<br>105, 107, 109, 111,     | 113, 115, 117, 119,<br>121, 123, 125, 127 |
| 70      | 58          | 2, 4, 6, 8,<br>10, 12, 14, 16, | 18, 20, 22, 24,<br>26, 28, 30,     | 34, 36, 38, 40,<br>42, 44, 46,     | 50, 52, 54, 56,<br>58, 60, 62,     | 67, 69, 71,<br>73, 75, 77, 79, | 83, 85, 87,<br>89, 91, 93, 95,     | 99, 101, 103,<br>105, 107, 109, 111,     | 113, 115, 117, 119,<br>121, 123, 125, 127 |
| 71      | 57          | 2, 4, 6, 8,<br>10, 12, 14, 16  | 18, 20, 22, 24,<br>26, 28, 30,     | 34, 36, 38, 40,<br>42, 44, 46,     | 50, 52, 54, 56,<br>58, 60, 62,     | 67, 69, 71,<br>73, 75, 77, 79, | 83, 85, 87,<br>89, 91, 93, 95,     | 99, 101, 103,<br>105, 107, 109, 111,     | 115, 117, 119,<br>121, 123, 125, 127      |
| 72      | 56          | 2, 4, 6, 8,<br>10, 12, 14,     | 18, 20, 22, 24,<br>26, 28, 30,     | 34, 36, 38, 40,<br>42, 44, 46,     | 50, 52, 54, 56,<br>58, 60, 62,     | 67, 69, 71,<br>73, 75, 77, 79, | 83, 85, 87,<br>89, 91, 93, 95,     | 99, 101, 103,<br>105, 107, 109, 111,     | 115, 117, 119,<br>121, 123, 125, 127      |
| 73      | 55          | 2, 4, 6, 8,<br>10, 12, 14,     | 18, 20, 22, 24,<br>26, 28, 30,     | 34, 36, 38, 40,<br>42, 44, 46,     | 50, 52, 54, 56,<br>58, 60, 62,     | 67, 69, 71,<br>75, 77, 79,     | 83, 85, 87,<br>89, 91, 93, 95,     | 99, 101, 103,<br>105, 107, 109, 111,     | 115, 117, 119,<br>121, 123, 125, 127      |
| 74      | 54          | 2, 4, 6, 8,<br>10, 12, 14,     | 18, 20, 22, 24,<br>26, 28, 30,     | 34, 36, 38, 40,<br>42, 44, 46,     | 50, 52, 54,<br>58, 60, 62,         | 67, 69, 71,<br>75, 77, 79,     | 83, 85, 87,<br>89, 91, 93, 95,     | 99, 101, 103,<br>105, 107, 109, 111,     | 115, 117, 119,<br>121, 123, 125, 127      |
| 75      | 53          | 2, 4, 6, 8,<br>10, 12, 14,     | 18, 20, 22, 24,<br>26, 28, 30,     | 34, 36, 38, 40,<br>42, 44, 46,     | 50, 52, 54,<br>58, 60, 62,         | 67, 69, 71,<br>75, 77, 79,     | 83, 85, 87,<br>89, 91, 93, 95,     | 99, 101, 103,<br>107, 109, 111,          | 115, 117, 119,<br>121, 123, 125, 127      |
| 76      | 52          | 2, 4, 6, 8,<br>10, 12, 14,     | 18, 20, 22,<br>26, 28, 30,         | 34, 36, 38, 40,<br>42, 44, 46,     | 50, 52, 54,<br>58, 60, 62,         | 67, 69, 71,<br>75, 77, 79,     | 83, 85, 87,<br>89, 91, 93, 95,     | 99, 101, 103,<br>107, 109, 111,          | 115, 117, 119,<br>121, 123, 125, 127      |
| 77      | 51          | 2, 4, 6, 8,<br>10, 12, 14,     | 18, 20, 22,<br>26, 28, 30,         | 34, 36, 38, 40,<br>42, 44, 46,     | 50, 52, 54,<br>58, 60, 62,         | 67, 69, 71,<br>75, 77, 79,     | 83, 85, 87,<br>91, 93, 95,         | 99, 101, 103,<br>107, 109, 111,          | 115, 117, 119,<br>121, 123, 125, 127      |
| 78      | 50          | 2, 4, 6, 8,<br>10, 12, 14,     | 18, 20, 22,<br>26, 28, 30,         | 34, 36, 38,<br>42, 44, 46,         | 50, 52, 54,<br>58, 60, 62,         | 67, 69, 71,<br>75, 77, 79,     | 83, 85, 87,<br>91, 93, 95,         | 99, 101, 103,<br>107, 109, 111,          | 115, 117, 119,<br>121, 123, 125, 127      |
| 79      | 49          | 2, 4, 6, 8,<br>10, 12, 14,     | 18, 20, 22,<br>26, 28, 30,         | 34, 36, 38,<br>42, 44, 46,         | 50, 52, 54,<br>58, 60, 62,         | 67, 69, 71,<br>75, 77, 79,     | 83, 85, 87,<br>91, 93, 95,         | 99, 101, 103,<br>107, 109, 111,          | 115, 117, 119,<br>123, 125, 127           |

**Table 5 (continued)**

| Entries | No of<br>bytes | Placement of bytes      |                            |                            |                            |                            |                            |                                 |                                 |
|---------|----------------|-------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|---------------------------------|---------------------------------|
|         |                |                         |                            |                            |                            |                            |                            |                                 |                                 |
| 80      | 48             | 2, 4, 6,<br>10, 12, 14, | 18, 20, 22,<br>26, 28, 30, | 34, 36, 38,<br>42, 44, 46, | 50, 52, 54,<br>58, 60, 62, | 67, 69, 71,<br>75, 77, 79, | 83, 85, 87,<br>91, 93, 95, | 99, 101, 103,<br>107, 109, 111, | 115, 117, 119,<br>123, 125, 127 |
| 81      | 47             | 2, 4, 6,<br>10, 12, 14, | 18, 20, 22,<br>26, 28, 30, | 34, 36, 38,<br>42, 44, 46, | 50, 52, 54,<br>58, 60, 62, | 69, 71,<br>75, 77, 79,     | 83, 85, 87,<br>91, 93, 95, | 99, 101, 103,<br>107, 109, 111, | 115, 117, 119,<br>123, 125, 127 |
| 82      | 46             | 2, 4, 6,<br>10, 12, 14, | 18, 20, 22,<br>26, 28, 30, | 34, 36, 38,<br>42, 44, 46, | 50, 52, 54,<br>58, 60,     | 69, 71,<br>75, 77, 79,     | 83, 85, 87,<br>91, 93, 95, | 99, 101, 103,<br>107, 109, 111, | 115, 117, 119,<br>123, 125, 127 |
| 83      | 45             | 2, 4, 6,<br>10, 12, 14, | 18, 20, 22,<br>26, 28, 30, | 34, 36, 38,<br>42, 44, 46, | 50, 52, 54,<br>58, 60,     | 69, 71,<br>75, 77, 79,     | 83, 85, 87,<br>91, 93, 95, | 101, 103,<br>107, 109, 111,     | 115, 117, 119,<br>123, 125, 127 |
| 84      | 44             | 2, 4, 6,<br>10, 12, 14, | 18, 20, 22,<br>26, 28,     | 34, 36, 38,<br>42, 44, 46, | 50, 52, 54,<br>58, 60,     | 69, 71,<br>75, 77, 79,     | 83, 85, 87,<br>91, 93, 95, | 101, 103,<br>107, 109, 111,     | 115, 117, 119,<br>123, 125, 127 |
| 85      | 43             | 2, 4, 6,<br>10, 12, 14, | 18, 20, 22,<br>26, 28,     | 34, 36, 38,<br>42, 44, 46, | 50, 52, 54,<br>58, 60,     | 69, 71,<br>75, 77, 79,     | 85, 87,<br>91, 93, 95,     | 101, 103,<br>107, 109, 111,     | 115, 117, 119,<br>123, 125, 127 |
| 86      | 42             | 2, 4, 6,<br>10, 12, 14, | 18, 20, 22,<br>26, 28,     | 34, 36, 38,<br>42, 44,     | 50, 52, 54,<br>58, 60,     | 69, 71,<br>75, 77, 79,     | 85, 87,<br>91, 93, 95,     | 101, 103,<br>107, 109, 111,     | 115, 117, 119,<br>123, 125, 127 |
| 87      | 41             | 2, 4, 6,<br>10, 12, 14, | 18, 20, 22,<br>26, 28,     | 34, 36, 38,<br>42, 44,     | 50, 52, 54,<br>58, 60,     | 69, 71,<br>75, 77, 79,     | 85, 87,<br>91, 93, 95,     | 101, 103,<br>107, 109, 111,     | 117, 119,<br>123, 125, 127      |
| 88      | 40             | 2, 4, 6,<br>10, 12,     | 18, 20, 22,<br>26, 28,     | 34, 36, 38,<br>42, 44,     | 50, 52, 54,<br>58, 60,     | 69, 71,<br>75, 77, 79,     | 85, 87,<br>91, 93, 95,     | 101, 103,<br>107, 109, 111,     | 117, 119,<br>123, 125, 127      |
| 89      | 39             | 2, 4, 6,<br>10, 12,     | 18, 20, 22,<br>26, 28,     | 34, 36, 38,<br>42, 44,     | 50, 52, 54,<br>58, 60,     | 69, 71,<br>77, 79,         | 85, 87,<br>91, 93, 95,     | 101, 103,<br>107, 109, 111,     | 117, 119,<br>123, 125, 127      |
| 90      | 38             | 2, 4, 6,<br>10, 12,     | 18, 20, 22,<br>26, 28,     | 34, 36, 38,<br>42, 44,     | 50, 52,<br>58, 60,         | 69, 71,<br>77, 79,         | 85, 87,<br>91, 93, 95,     | 101, 103,<br>107, 109, 111,     | 117, 119,<br>123, 125, 127      |
| 91      | 37             | 2, 4, 6,<br>10, 12,     | 18, 20, 22,<br>26, 28,     | 34, 36, 38,<br>42, 44,     | 50, 52,<br>58, 60,         | 69, 71,<br>77, 79,         | 85, 87,<br>91, 93, 95,     | 101, 103,<br>109, 111,          | 117, 119,<br>123, 125, 127      |
| 92      | 36             | 2, 4, 6,<br>10, 12,     | 18, 20,<br>26, 28,         | 34, 36, 38,<br>42, 44,     | 50, 52,<br>58, 60,         | 69, 71,<br>77, 79,         | 85, 87,<br>91, 93, 95,     | 101, 103,<br>109, 111,          | 117, 119,<br>123, 125, 127      |
| 93      | 35             | 2, 4, 6,<br>10, 12,     | 18, 20,<br>26, 28,         | 34, 36, 38,<br>42, 44,     | 50, 52,<br>58, 60,         | 69, 71,<br>77, 79,         | 85, 87,<br>93, 95,         | 101, 103,<br>109, 111,          | 117, 119,<br>123, 125, 127      |
| 94      | 34             | 2, 4, 6,<br>10, 12,     | 18, 20,<br>26, 28,         | 34, 36,<br>42, 44,         | 50, 52,<br>58, 60,         | 69, 71,<br>77, 79,         | 85, 87,<br>93, 95,         | 101, 103,<br>109, 111,          | 117, 119,<br>123, 125, 127      |
| 95      | 33             | 2, 4, 6,<br>10, 12,     | 18, 20,<br>26, 28,         | 34, 36,<br>42, 44,         | 50, 52,<br>58, 60,         | 69, 71,<br>77, 79,         | 85, 87,<br>93, 95,         | 101, 103,<br>109, 111,          | 117, 119,<br>125, 127           |
| 96      | 32             | 2, 4,<br>10, 12,        | 18, 20,<br>26, 28,         | 34, 36,<br>42, 44,         | 50, 52,<br>58, 60,         | 69, 71,<br>77, 79,         | 85, 87,<br>93, 95,         | 101, 103,<br>109, 111,          | 117, 119,<br>125, 127           |

**Table 5 (continued)**

| Entries | No of<br>bytes | Placement of bytes |                 |                 |                 |             |                 |                     |                    |
|---------|----------------|--------------------|-----------------|-----------------|-----------------|-------------|-----------------|---------------------|--------------------|
|         |                |                    |                 |                 |                 |             |                 |                     |                    |
| 97      | 31             | 2, 4, 10, 12,      | 18, 20, 26, 28, | 34, 36, 42, 44, | 50, 52, 58, 60, | 71, 77, 79, | 85, 87, 93, 95, | 101, 103, 109, 111, | 117, 119, 125, 127 |
| 98      | 30             | 2, 4, 10, 12,      | 18, 20, 26, 28, | 34, 36, 42, 44, | 50, 52, 58,     | 71, 77, 79, | 85, 87, 93, 95, | 103, 109, 111,      | 117, 119, 125, 127 |
| 99      | 29             | 2, 4, 10, 12,      | 18, 20, 26, 28, | 34, 36, 42, 44, | 50, 52, 58,     | 71, 77, 79, | 85, 87, 93, 95, | 103, 109, 111,      | 117, 119, 125, 127 |
| 100     | 28             | 2, 4, 10, 12,      | 18, 20, 26,     | 34, 36, 42, 44, | 50, 52, 58,     | 71, 77, 79, | 85, 87, 93, 95, | 103, 109, 111,      | 117, 119, 125, 127 |
| 101     | 27             | 2, 4, 10, 12,      | 18, 20, 26,     | 34, 36, 42, 44, | 50, 52, 58,     | 71, 77, 79, | 87, 93, 95,     | 103, 109, 111,      | 117, 119, 125, 127 |
| 102     | 26             | 2, 4, 10, 12,      | 18, 20, 26,     | 34, 36, 42,     | 50, 52, 58,     | 71, 77, 79, | 87, 93, 95,     | 103, 109, 111,      | 117, 119, 125, 127 |
| 103     | 25             | 2, 4, 10, 12,      | 18, 20, 26,     | 34, 36, 42,     | 50, 52, 58,     | 71, 77, 79, | 87, 93, 95,     | 103, 109, 111,      | 119, 125, 127      |
| 104     | 24             | 2, 4, 10,          | 18, 20, 26,     | 34, 36, 42,     | 50, 52, 58,     | 71, 77, 79, | 87, 93, 95,     | 103, 109, 111,      | 119, 125, 127      |
| 105     | 23             | 2, 4, 10,          | 18, 20, 26,     | 34, 36, 42,     | 50, 52, 58,     | 71, , 79,   | 87, 93, 95,     | 103, 109, 111,      | 119, 125, 127      |
| 106     | 22             | 2, 4, 10,          | 18, 20, 26,     | 34, 36, 42,     | 50, 58,         | 71, , 79,   | 87, 93, 95,     | 103, 109, 111,      | 119, 125, 127      |
| 107     | 21             | 2, 4, 10,          | 18, 20, 26,     | 34, 36, 42,     | 50, 58,         | 71, , 79,   | 87, 93, 95,     | 103, 111,           | 119, 125, 127      |
| 108     | 20             | 2, 4, 10,          | 18, 26,         | 34, 36, 42,     | 50, 58,         | 71, , 79,   | 87, 93, 95,     | 103, 111,           | 119, 125, 127      |
| 109     | 19             | 2, 4, 10,          | 18, 26,         | 34, 36, 42,     | 50, 58,         | 71, , 79,   | 87, 95,         | 103, 111,           | 119, 125, 127      |
| 110     | 18             | 2, 4, 10,          | 18, 26,         | 34, 42,         | 50, 58,         | 71, , 79,   | 87, 95,         | 103, 111,           | 119, 125, 127      |
| 111     | 17             | 2, 4, 10,          | 18, 26,         | 34, 42,         | 50, 58,         | 71, , 79,   | 87, 95,         | 103, 111,           | 119, 127           |
| 112     | 16             | 2, 10,             | 18, 26,         | 34, 42,         | 50, 58,         | 71, , 79,   | 87, 95,         | 103, 111,           | 119, 127           |
| 113     | 15             | 2, 10,             | 18, 26,         | 34, 42,         | 50, 58,         | 71, , 79,   | 87, 95,         | 103, 111,           | 119, 127           |
| 114     | 14             | 2, 10,             | 18, 26,         | 34, 42,         | 50,             | 79,         | 87, 95,         | 103, 111,           | 119, 127           |
| 115     | 13             | 2, 10,             | 18, 26,         | 34, 42,         | 50,             | 79,         | 87, 95,         | 111,                | 119, 127           |
| 116     | 12             | 2, 10,             | 18,             | 34, 42,         | 50,             | 79,         | 87, 95,         | 111,                | 119, 127           |
| 117     | 11             | 2, 10,             | 18,             | 34, 42,         | 50,             | 79,         | 95,             | 111,                | 119, 127           |
| 118     | 10             | 2, 10,             | 18,             | 34,             | 50,             | 79,         | 95,             | 111,                | 119, 127           |
| 119     | 9              | 2, 10,             | 18,             | 34,             | 50,             | 79,         | 95,             | 111,                | 127                |
| 120     | 8              | 2,                 | 18,             | 34,             | 50,             | 79,         | 95,             | 111,                | 127                |
| 121     | 7              | 2,                 | 18,             | 34,             | 50,             |             | 95,             | 111,                | 127                |
| 122     | 6              | 2,                 | 18,             | 34,             |                 |             | 95,             | 111,                | 127                |
| 123     | 5              | 2,                 | 18,             | 34,             |                 |             | 95,             |                     | 127                |
| 124     | 4              | 2,                 |                 | 34,             |                 |             | 95,             |                     | 127                |
| 125     | 3              | 2,                 |                 | 34,             |                 |             |                 |                     | 127                |
| 126     | 2              | 2,                 |                 |                 |                 |             |                 |                     | 127                |
| 127     | 1              | 2,                 |                 |                 |                 |             |                 |                     |                    |
| 128     | 0              |                    |                 |                 |                 |             |                 |                     |                    |