

# **BAHRAIN ROYAL EQUESTRIAN & ENDURANCE FEDERATION**



## **GENERAL RULES**

### **NATIONAL DRESSAGE COMPETITIONS**

These Rules are effective from 01 October 2016

Based on the Rules of the  
Federation Equestre Internationale

# CONTENTS

	Page
Contents List	2-4
Mission Statement	5
SECTION I- INTRODUCTION AND DEFINITIONS	
Article 100 - General Regulations	6
Article 101. Rules	6
Article 102. Application of Rules	6
Article 103. Financial Responsibility	6
Article 104. Definitions	7
SECTION II- GENERAL RULES	
CHAPTER I - CODE OF CONDUCTS	
Code of Conduct for the Welfare of the Horse	8
Code of Conduct for good sportsmanship	9
CHAPTER II - DRESSAGE	
Article 105. Object and general principles of dressage	10
CHAPTER III - COMPETITIONS	
Article 106. Recognition	11
Article 107. Competition	11
Article 108. Levels of Competitions	11
Article 109. Tests	12
Article 110. Execution of the Test	12-14
Article 111. Marking	14
Article 112. Entries	15
Article 113. Schedules	15
Article 114. Organisers	15-16
Article 115. Medical and Veterinary Services	16
Article 116. Starting Possibilities	16
Article 117. Identification	17
Article 118. Callers	17
Article 119. Warming-up	17
Article 120. Unforeseen Circumstances	17

CHAPTER IV - CEREMONIES & PRIZES	
Article 121. Ceremonies	18
Article 122. Prizes	18
Article 123. Expenses	18
CHAPTER V - RIDERS	
Article 124. General	18
Article 125. Person Responsible	18
CHAPTER VI - HORSES	
Article 126. Eligibility	19
Article 127. Horses name	19
Article 128. Horses - Age	19
Article 129. Competitive condition	19
CHAPTER VII - DRESS	
Article 130. Dress Code- General	19
Article 131. Jacket/Coat	20
Article 132. Hats	20-21
Article 133. Breeches/Jodhpurs	21
Article 134. Gloves	21
Article 135. Boots	21
Article 136. Spurs	21
Article 137. Whips	22
Article 138. Earphones	22
CHAPTER VIII - SADDLERY	
Article 139. Saddles	22
Article 140. Logos	22
Article 141. Bridles and bits	22
Article 142. Gadgets	23
Article 143. Decorations	23
Article 144. False Tail/Tail Extensions	23
Article 145. Protective fly hoods	23
Article 146. Checking of Saddlery	23
Article 147. Saddlery and bits in the warming-up and training arenas	23

CHAPTER IX - SAFETY	
Article 148. Horse out of control	24
Article 149. Disobedience	24
Article 150. Dangerous situations	24
CHAPTER X - PROTECTION OF ATHLETES AND HORSES	
Article 151. Protection of Athletes	24
Article 152. Protection of Horses	25
Article 153. Abuse of Horses	25
Article 154. Medication Control	25
CHAPTER XI - JUDGES AND OFFICIALS	
Article 155. Mission	26
Article 156. Reports	26
Article 157. A Federation Officials Code of Conduct	26
Article 158. B Federation Officials Code of Conduct	26
Article 159. Judges	26
Article 160. Senior Judge	27
Article 161. Stewards	27-28
CHAPTER XII - THE LEGAL SYSTEM	
Article 162. Penalties	28-29
CHAPTER - XIII - OBJECTIONS	
Article 163. Submission of Objections	29
Article 164. Time Limit	30
Article 165. Query	30
Appendix 1. Permitted bits	30-33
Appendix 2 . Permitted nosebands	34
Appendix 3 . Arena Sizes	35-36

## **MISSION**

The Mission of  
The Bahrain Equestrian & Endurance Federation  
With this Rule Book

is  
to Promote, Guide, Develop and Manage Dressage  
in  
Bahrain  
and to do so in a Manner  
which Promotes The Highest Standards in both  
Equestrianism and Animal Welfare

## **SECTION 1 - INTRODUCTION AND DEFINITIONS**

### **Article 100 - General Regulations**

1. These Rules are established so that competitors may compete against each other under fair and equal conditions.
2. They can however, never cover every eventuality. Matters, which cannot be resolved by interpreting the rules to the letter, shall be resolved in the spirit of the Rules to obtain a solution, which fairly represents the ethics, integrity and spirit of the sport.
3. It is the absolute, sole and personal responsibility of all Officials and persons registered with the Federation to be fully familiar with all published Rules, Regulations and Instructions of the Federation, as ignorance of any such Rules, Regulations or Instructions will never be accepted as a valid excuse for, nor as mitigation for, transgressions which may occur.
4. **BREEF** will publish rules online as well as periodic updates.
5. It is the sole responsibility of the rider to ensure that they are au fait with the rules.

### **Article 101. Rules**

The rules have been set to make all competitions as fair as possible for all parties taking part.

### **Article 102. Application of Rules**

1. The Dressage Rules of The Bahrain Royal Equestrian & Endurance Federation shall apply to all events held under the auspices of **BREEF**, rather than International Events, which must be held under the Rules of the Federation Equestre International (**FEI**).

### **Article 103. Financial Responsibility**

**BREEF** accepts no financial responsibility whatsoever for events held under its auspices or under its rules that are not being organised by **BREEF** themselves.

## **Article 104. Definitions**

Terms used in these Rules are defined as follows:

**Agent:** An employee of, or other person, who is duly authorized by, an Owner or person registered with **BREEF**, to be their person responsible in particular areas.

**Competition:** The term “competition” refers to each individual class for which placings and prizes are awarded.

**Discipline:** The term “discipline” refers to the type of event or competition which can be either, Dressage, Show Jumping, Eventing, Combined Event, or any other which the Federation may decide.

**Event:** The term “event” refers to the complete meeting, show or concours under the control of the Organisers. “Events” may include “competitions” for more than one “discipline” **The**

**Federation:** The Bahrain Royal Equestrian & Endurance Federation or **BREEF** .

**Guardian:** A person, duly authorized to act on behalf of the person legally responsible for the under age individual.

**Horse:** Refers also to a Pony or other member of the genus Equus unless the context requires otherwise. A Horse shall be born from a mare.

**Junior:** A person may compete as a Junior from the beginning of the calendar season in which he/she reaches the age of Sixteen (16) until the end of the same season i.e if 16 when at the beginning of the season Oct-April of any given year the person may ride as a junior throughout that same season.

**Judge:** A member of the Judges’ panel appointed by the Federation or be appointed by the Event Organiser.

**Organisers:** The organizer recognized by **BREEF** and responsible for organizing any equestrian event. Criteria against which **BREEF** will recognise the organizer should be published prior to commencement of the competition season.

**Person Responsible:** In all cases the rider is deemed to be the Person Responsible (P.R.)

**Rules:** The Rules of The Bahrain Royal Equestrian & Endurance Federation.

**Show Ground:** The area in which the ring/arena, collecting ring, exercise/assembly areas, transport parks and stabling are situated.

## SECTION II - GENERAL RULES

### CHAPTER I CODE OF CONDUCT

#### Code of Conduct for the Welfare of the Horse.

1. In all equestrian disciplines the horse must be considered paramount.
2. The well being of the horse shall be above all demands of breeders, trainers, owners, riders, dealers, organisers, officials or any agent of such persons.
3. All handling and veterinary treatment must ensure the health and welfare of the horse.
4. The highest standards of nutrition, health sanitation and safety shall be encouraged and maintained at all times.
5. Adequate provision must be made for ventilation, feeding, watering and maintaining a healthy environment during transportation.
6. Emphasis should be placed on increasing education in training and equestrian practices and on promoting scientific studies in equine health.
7. In the interest of the horse the fitness and competence of the rider, his groom or any other agent, shall be regarded as essential.
8. All riding and training methods must take account of the horse as a living entity and must not include any equipment or technique considered by **BREEF** or the **F.E.I.** to be abusive.
9. The Bahrain Royal Equestrian & Endurance Federation hereby establishes a control in order that all persons under its jurisdiction, their agents or guardians respect the welfare of the horse.
10. The National and International Rules and Regulations in equestrian sport regarding health and welfare of the horse must be adhered to not only during National and International competitions but also in training.
11. Compliance with this code of Conduct is a pre-requisite of all persons taking part with Bahrain Royal Equestrian & Endurance Federation Dressage Competitions, and their agents or guardians.



## Code of Conduct for good sportsmanship

No Official, Owner, Rider, Trainer, Agent or Guardian at an event shall:

1. Argue with a Judge or Official or use abusive, threatening or unseemly language or behave with incivility or contempt towards a Judge or Show Official.
2. Conduct himself in a manner which is offensive to the public or detrimental to the character or prejudicial to the interests of **BREEF**.
3. Ill-treat a horse in any way whether inside or outside the arena.
4. Make either orally or in writing, to an officer of **BREEF**, the Jury, Senior Judge or the Organiser, a statement on any matter covered by the Rules, which he knows to be untrue.
5. Compete as owner or rider in a competition for which the horse or rider are not fully eligible.
6. Having started a competition, willfully incur elimination.
7. Unreasonably refuse to assist **BREEF** at any inquiry.
8. Offend in any way the Codes of Conduct as published in this Rule Book.
9. Behave in a manner, which brings the Country, the Sport or **BREEF** into disrepute.
10. Any person who commits a breach of any part of this rule shall be deemed to be guilty of unseemly conduct and in respect of a breach of sub paragraphs **1.1 to 1.10**. They shall be eliminated from the competition by the Ground Jury or Senior Judge and/or referred to **BREEF**.

## **CHAPTER II**

### **DRESSAGE**

#### **Article 105. Object and general principles of dressage**

1. The object of Dressage is the development of the Horse into a happy Athlete through harmonious education. As a result, it makes the Horse calm, supple, loose and flexible, but also confident, attentive and keen, thus achieving perfect understanding with the Athlete. These qualities are demonstrated by:
2. The freedom and regularity of the paces.
3. The harmony, lightness and ease of the movements.
4. The lightness of the forehand and the engagement of the hindquarters, originating from a lively impulsion.
5. The acceptance of the bit, with submissiveness/throughness without any tension or resistance.
6. The Horse thus gives the impression of doing, of its own accord, what is required. Confident and attentive, submitting generously to the control of the Athlete, remaining absolutely straight in any movement on a straight line and bending accordingly when moving on curved lines.
7. The walk is regular, free and unconstrained. The trot is free, supple, regular and active. The canter is united, light and balanced. The hindquarters are never inactive or sluggish. The Horse responds to the slightest indication of the Athlete and thereby gives life and spirit to all the rest of its body.
8. By virtue of a lively impulsion and the suppleness of the joints, free from the paralysing effects of resistance, the Horse obeys willingly and without hesitation and responds to the various aids calmly and with precision, displaying a natural and harmonious balance both physically and mentally.
9. In all the work, even at the halt, the Horse must be “on the bit”. A Horse is said to be “on the bit” when the neck is more or less raised and arched according to the stage of training and the extension or collection of the pace, accepting the bridle with a light and consistent soft submissive contact. The head should remain in a steady position, as a rule slightly in front of the vertical, with a supple poll as the highest point of the neck, and no resistance should be offered to the Athlete.
10. Cadence is shown in trot and canter and is the result of the proper harmony that a Horse shows when it moves with well-marked regularity, impulsion and balance. Cadence must be maintained in all the different trot or canter exercises and in all the variations of these paces.
11. The regularity of the paces is fundamental to Dressage.

## **CHAPTER III COMPETITIONS**

### **Article 106. Recognition**

No competition shall be recognized by **BREEF** unless judged under Bahrain Royal Equestrian & Endurance Federation Dressage Rules, or in the case of International Competitions, under the Rules of the **F.E.I.**

### **Article 107. Competiton**

1. The term “competition” refers to each individual class for which placings and prizes are awarded
2. Separate Competitions for the following standard categories of Athletes may be included in the schedules for all Events unless stated otherwise in the Rules:
  - a. Seniors
  - b. Juniors - upto 16 yrs (see definition in article 104)
  - c. Events may include other separate Competitions which must be specified on the Schedule and approved by **BREEF**, i.e. Separate Classes for Arabian Horses
3. In order for the rider to demand the prize and rosette set in the invitation there must be a minimum 3 entries in the competition. If a rider in such class cancel the entry on the day of the show, due to rider’s illness or horse illness that can be proved by a doctor’s note or veterinary note, the class can still be counted for and the two remaining riders will get their prizes.
4. Any class can be put together when running in consecutive level as one class if the numbers of entries are less than 3 in each of the classes. PSG and Intermediare 1 can run as an exception of 2 in each class.

### **Article 108. Levels of Competitons**

The National Dressage competitons are divided into following levels:

Introduction  
Preliminary  
Novice  
Elementary  
Medium  
Advanced Medium  
Advanced  
PSG  
Intermediate        I  
Intermediate        II  
Grand Prix

## Article 109. Tests

Each Competition has its own test. The Official Dressage tests are published on the authority of the **BREEF** and can in no case be modified or simplified without the approval of the **BREEF**.

At National Events **rising trot** is allowed in Intro, Preliminary, Novice and Elementary tests. Sitting trot is compulsory from Medium and upwards.

## Article 110. Execution of the test:

**1. Sound of bell.** After the sound of the bell, the Athlete must enter the arena at A within forty five (45) seconds.

Judge at C can interrupt the count and re-continue after the problem has been resolved.

The Judge at C is responsible for the bell and clock/time.

In the event that the Horse starts to defecate or urinate, the clock will be stopped until the Horse is ready to continue at which point the clock will be restarted.

**2. Salute.** Athletes must take the reins in one (1) hand at the salute.

**3. Error of course.** When an Athlete makes an “error of course” (takes the wrong turn, omits a movement, etc.) the Judge at C warns him, by sounding the bell. The Judge at C shows him, if necessary, the point at which he must take up the test again and the next movement to be executed, then leaves him to continue by himself. However, in some cases when, although the Athlete makes an “error of course”, the sounding of the bell would unnecessarily impede the fluency of the performance - for instance if the Athlete makes a transition from medium trot to collected walk at V instead of at K, or, cantering up the centre line from A, makes a pirouette at D instead of at L - it is up to the Judge at C to decide whether to sound the bell or not. However, if the bell is not sounded at an error of course and the test requires the same movement to be repeated and the Athlete again makes the same error, the Athlete is only penalised once.

The decision as to whether or not an error of course has been made will be at the sole discretion of the Judge at C. The other Judges’ scores will be adapted accordingly.

**4. Error of test/execution.** When an Athlete makes an “error of the execution of the test” (trots rising instead of sitting, at the salute does not take the reins in one hand, etc.) he must be penalised as for an “error of course”. In principle an Athlete is not allowed to repeat a movement of the test unless the Judge at C decides on an error of course (sounds the bell). If, however, the Athlete has started the execution of a movement and attempts to do the same movement again, the Judges must consider the first movement shown only and at the same time, penalise for an error of course.

**5. Unnoticed error.** If the Ground Jury has not noted an error, the Athlete has the benefit of the doubt and will therefore not be penalised for the error.

## **6. Penalties**

### **6.1. "Error of Course".**

Every "error of course", whether the bell is sounded or not, must be penalised, except as noted above.

- First error Two (2) points.
- Second error Four (4) points.
- Third error Elimination.

### **6.2. Other Errors**

All of the following are considered errors, and two (2) points will be deducted per error, but they are not cumulative and will not result in Elimination:

- Entering the space around the arena with whip, in classes where whip is not allowed
- Entering the Dressage arena with whip in classes where whip is not allowed
- Entering the arena before the sound of the bell;
- Not entering the arena within forty five (45) seconds after the bell, but within ninety (90) seconds;

## **7. Elimination.**

**7.1. Lameness.** In a case of marked lameness, the Judge at C informs the Athlete that he is eliminated. There is no appeal against this decision.

**7.2. Resistance.** Any resistance which prevents the continuation of the test longer than twenty (20) seconds is punished by Elimination. However, resistance that may endanger Athlete, Horse, Judges or the public will result in elimination for safety reasons earlier than within twenty (20) seconds. This also applies to any resistance before entering the Dressage arena or when leaving the arena.

**7.3. Fall.** In the case of a fall of a Horse and/or an Athlete, the Athlete will be Eliminated.

**7.4. Leaving Arena During Dressage Test.** A Horse leaving the arena completely, with all four (4) feet, during a Dressage Competition between beginning and end of the test will be Eliminated.

**7.5. Outside Assistance.** Any outside help by voice, signs, etc. is considered as illegal or unauthorized assistance to an Athlete or to his Horse. An Athlete or Horse receiving positive assistance must be Eliminated.

### **7.6. Other Reasons For Elimination**

- The performance is against the welfare of the Horse.
- Horse and Athlete combination not entering the Competition arena within ninety (90) seconds after the bell. Except where a valid reason thereto has been informed to the Judge at C (valid reason may be losing a shoe, etc.)

## **8. Penalty Points.**

The penalty points are deducted on each Judge's sheet from the total points obtained by the Athlete.

## 9. Execution of Movement At Certain Point.

In a movement which must be carried out at a certain point of the arena, it should be done at the moment when the Athlete's body is above this point, except in transitions where the Horse approaches the letter from a diagonal or perpendicular to the point where the letters are positioned. In this case, the transitions must be done when the Horse's nose reaches the track at the letter so that the Horse is straight in the transition. This includes the execution of flying changes

## 10. Beginning/End of Test.

A test begins with the entry at A and ends after the salute at the end of the test, as soon as the Horse moves forward. Any incidents before the beginning or after the end of the test have no effect on the marks. The Athlete should leave the arena in the way that is prescribed in the text of the test..

## Article 111. Marking

1. All movements, and certain transitions from one to another, which have to be marked by the Judges, are numbered on the Judge's sheet.

2. They are marked from zero (0) to ten (10) by each Judge, zero (0) being the lowest and ten (10) the highest mark.

3. The scale of marks is as follows:

- 10 Excellent
- 9 Very good
- 8 Good
- 7 Fairly good
- 6 Satisfactory
- 5 Sufficient
- 4 Insufficient
- 3 Fairly bad
- 2 Bad
- 1 Very bad
- 0 Not executed

“Not executed” means that practically nothing of the required movement has been performed.

4. **Collective marks** are awarded, after the Athlete has finished his performance for:

- 1) Paces.
  - 2) Impulsion.
  - 3) Submission.
  - 4) The Athlete's position and seat; correctness and effect of the aids.
- Each collective mark is awarded from zero (0) to ten (10).

## Article 112. Entries

1. Organisers will make appropriate arrangements to invite entries for each competition included in the schedule of the Event.
2. Closing dates for events will be 2 days prior to the competition. Entries received after the closing date prior to an event may not be accepted
3. Entry Fees will set by the Centre/Club hosting the event and will be clearly marked on the Schedule.
4. Entry Fees are to be paid on entry and before the start of the competition. Failure to do so will incur elimination from the event.
5. Any cancelation or withdrawal completed less than 48 before the start of the competition will be subject to a 50% penalty. This penalty shall be waived if a Veterinary note is presented to the Organisers within that 48 hour period prior to the competitions start. If a rider registers for a competition, does not cancel within the stipulated timeframe and does not compete on the day, all of the entry fee will be forfeited to offset the event running costs. Any rider not paying an outstanding entry fee will not be allowed to compete until this outstanding balance has been paid. Failure to produce a veterinary or doctors certificate within the stipulated time stated, entry fees will be forfeited in total.
6. Start Lists will be published and sent out via e-mail by 6pm one days prior to the competition by the organisers.

## Article 113. Schedules

All schedules must give the dates and location of the Event and the dates by which entries must be received in accordance with the following check list:

1. The word "BREEF"
2. The Disciplines in which Competitions will be held
3. The programme of Competitions
4. That the competition is run under **BREEF Dressage** rules
5. The type of surface the competition is on.
6. The type and dimensions of the schooling areas and the Competition arenas
7. The stabling available
8. The value of the prizes and their distribution with the actual break down of each placings in each class
9. Any other relevant details.

## Article 114. Organisers

1. Entering the arena: For Competitions where it is not practical for the athletes to ride their horses around the outside of the arena prior to entering the arena, athletes are permitted to enter the arena before the bell is sounded. After the bell has sounded, the athlete starts the test from within the arena.

In competitions where it is possible to ride a horse around the outside of the arena, the athlete is allowed to enter the space around the arena before the bell is sounded but may only enter the arena after the bell has been sounded.

The Judge at C is responsible for bell and clock/time.

2. Warm-up Arena. On no account and under penalty of disqualification, may an Athlete/Horse use the competition arena at any time other than during their performance in a competition or when at the discretion of the OC the main arena is open for training. A suitable size warmup arena must be provided.
3. Interruption. In case of any technical failure that will interfere with the Competition, the Judge at C shall ring the bell. In clear cases of external disturbance, the same procedure is applied. During extreme weather conditions or other extreme situations the Judge at C may ring the bell for interruption of the test. The Technica Delegate/OC may also suggest to the Judge at C to stop the competition. The affected Athlete should return to complete his test when conditions so permit.
4. If there are foreign objects in the arena which could have an influence on performance, the test has to be stopped and the Athlete can continue once the object has been removed.
5. If an Athlete has to restart an ordinary test, he can choose to start from the beginning of the test or from where stopped. Any scores given before the interruption remain.

## **Article 115. Medical and Veterinary services**

No event may commence without the presence of Medical Services. Show Organisers are therefore obliged to ensure that Medical Services are present prior to and throughout their event.

## **Article 116. Starting possibilities**

1. Rider/horse combination:
2. A rider/horse combination is allowed to start in three different classes but with no more than one level difference, i.e.: Preliminary-Novice, Novice- Elementary, Elementary-Medium, Medium-Advanced Medium.
3. Rider:  
A rider is allowed to start:
  - a. in different classes
  - b. in the same class but with different horses
  - c. The organiser may restrict the number of entries from a rider if the total number of entries for the class exceeds the maximum number of entries.
4. Horse:  
A horse is allowed to start
  - a. twice in Introduction and Preliminary classes on the same day with two different riders.
  - b. once in each class entered from Novice or above on the same day .
  - c. in a maximum of three classes a day in total.



## **Article 117. Identification**

Riders must tell the master judge (at C) wh they are and the horses name.

## **Article 118. Callers**

1. Callers can be used in all classes for National Competitions.
2. Callers are forbidden at National Championships or **F.E.I.** International Challenge/Championships.

## **Article 119. Warming-up**

1. At **F.E.I.** International Dressage Competitions, Regional and National Championships it is prohibited under penalty of elemination for anyone to school a horse other than the person riding in the competition
2. In all National Competitions at Intro and Preliminary levels the horse maybe ridden by one other competitor.
3. In all other National competitions the horse may be ridden by another person other than the competitor for the purpose of warming-up or bringing their horse to and from the warming-up arena.
4. Warming-up activities by another person other than the competitor shall be restricted to walk or trot on a long rein, lunging or handwalking.
5. Warming-up with a contact and/or schooling the horse by another person than the competiotor is not allowed under penalty of elimination
6. All warming-up activity is to be done within line of sight of the steward.
7. If the warm up arena is becoming over crowded those not competing on the ongoing class may be asked to leave the arena. If so neccessary the Steward or Senior Judge can limit the number of horses in the warm-up arena so that each horse has a minimum of 45 minutes to its allocated starting time.
8. Coaches to coach riders during warm-up must stand either outside the fence or in a corner of the riding arena and not disturbing other riders.

## **Article 120. Unforeseen Circumstances**

1. Every eventuality cannot be provided for in these Rules. In any unforeseen or exceptional circumstances, it is the duty of the Ground Jury or Senior Judge to make a decision in a sporting spirit and approaching as nearly as possible to the intention of these Rules.
2. In the event of any ambiguity with the interpretation of **BREEF** Rules, the current **F.E.I.** Dressage Rules published in English language will take precedence over versions in any other language.

## **CHAPTER IV**

### **CEREMONIES, PRIZES AND EXPENSES**

#### **Article 121. Ceremonies**

1. Participation in the Prize Giving of placed riders is compulsory. Failure to do so without seeking prior permission and obtaining same from the Senior Judge (National Competitions) should entail the competitor losing the classification, trophy/prize money (horse and rider).
2. Competitors are obliged when required to parade mounted or unmounted, properly attired to receive their prizes. It is recommended that failure to do so should incur elimination and forfeiture of prize/prize money.

#### **Article 122. Prizes**

1. The amount of prize money, and type of prize if in kind, must be stated in the schedule and is unrestricted.
2. With the consent of **BREEF** additional rosettes may be awarded for particular competitions during an event.
3. Organisers are encouraged to award rosettes up to at least 6<sup>th</sup> place for National Events. Where classes are split into sections the scale applies to each section.

#### **Article 123. Expenses**

1. The organiser shall meet the travelling, accommodation and meals Expenses of all Officials..
2. National Judges shall be paid not less than 1BD per test judged.

## **CHAPTER V**

### **RIDERS**

#### **Article. 124. General**

Riders include both female and male athletes, unless otherwise stated.

#### **Article 125. Person Responsible**

1. Person Responsible: In all matters the Person Responsible (**P.R.**) will be the rider. As per **F.E.I.** General Rules.
2. If a rider is under 18 years of age, the Person Responsible (**P.R.**) for his horse may be the Owner of the horse, a Parent of the rider in question, Team Coach or some responsible Adult..

## **CHAPTER VI**

### **HORSES**

#### **Article 126. Eligibility**

1. Only horses, which are fully passported, are eligible to compete at Events run under the Rules of **BREEF**
2. No horse under 4 years of age may compete.

#### **Article 127. Horses name**

1. Horses must only be entered and compete in competitions under their registered names.
- 2.. Animals holding **F.E.I.** passports may only compete under their **F.E.I.** registered names.

#### **Article 128. Horses - Age**

1. Horses may compete if they are a minimum of:
  - 4 years of age for “Adults” Preliminary & Novice
  - 5 years of age for “Adults” Preliminary to Elementary 6
  - years of age for “Children” Preliminary to Elementary 6
  - years of age for Medium to Advanced
  - 7 years of age to PSG
  - 8 years of age in Intermediate II to Grand Prix
2. The age is counted from 1st January of the year of birth

#### **Article 129. Competitive Conditions**

The PR, parent or guardian is responsible for the welfare of their horse competing at an event. The senior judge, where appropriate after consultation with a Veterinarian give permission to start or eliminate a horse if the level of performance, fitness, injuries or general condition is detrimental to the welfare of the horse or the sport's reputation.

## **CHAPTER VII**

### **DRESS**

#### **Article 130. Dress Code- General**

1. Competitors must wear the dress appropriate to the competitions and be properly dressed when appearing before spectators, media or whenever they are in the confines of the arena and at presentation of prizes.
2. In very warm weather, the Jury or Senior Judge may permit competitors to remove their jackets.
3. If competitors are not properly dressed, they will be eliminated by the Ground Jury.

## Article 131. Jacket/Coat

1. Introductory to Medium Level - National Service Dress, Short Jacket or Tweed Coat with correctly tied stock of white or cream colour or white or cream collar shirt and tie and protective head gear.
2. Advanced Medium and above - Tail Coat with protective hat or top hat, or short jacket with protective hat with correctly tied stock of white, cream colour or same colour as jacket. National Service Dress to be worn with protective hat.
3. National Service Dress, Tail Coats or short Jackets to be worn and may be of any plain conservative dark colour ie; black, navy, charcoal grey, bottle green etc.
4. Tweed coats may be worn up to Elementary level competition. Tweed coats must not be brightly coloured or have loud patterns..
5. At the discretion of Organisers, competitors may be permitted to ride without coats in excessively hot weather, but a suitable long/short sleeved shirt that fastens at the neck with either a correctly tied stock and a plain white or cream shirt. No sleeveless shirts or vests are permitted.

## Article 132. Hats

1. In Intro-Medium classes protective headgear shall be worn.
2. In Advanced Medium and above Top Hat is allowed. It is however always permitted to wear a protective hat in all classes.
3. **BREEF** will follow the current **F.E.I.** Rules for protective headgear, in classes from Advanced Medium to Grand Prix.
4. When protective headgear is worn it must be fastened properly
5. Recommended protective headgear to meet correct standards:

PAS 015, EN 1384, BSEN 1384, (British Hats with BSI Kitemark)

ASTM F1163 (2004 with SEI mark) SNELL E2001

AS/NZS 3838 1998 Or any new standard that meets or exceeds those stated.

**New F.E.I. Dressage Rules covering Protective Headgear will come into force from 1<sup>st</sup> January 2013:** This rule will replace article 140.2, only.

### **Protective headgear and top hat/bowler:**

As a general rule protective headgear\* has to be worn by all Athletes (as well as any other person) at all times when mounted.

Any Athlete (as well as any other person) violating this provision must immediately be prohibited from further riding until the protective headgear is properly in place.

The following exception applies: Athletes who are 18 years and older and who are riding Horses that are seven (7) years and older may wear a top hat/bowler instead of protective headgear. However, this exception is limited to the actual Competition and the warming-up directly prior to the Competition (with no break before the Competition), which includes riding between the stable and the warm-up area, riding of the competing Horse in the warmup area, and riding back to the stable.

It is however recommended that Athletes falling under this exception nonetheless wear protective headgear at all times for their own safety.

A protective headgear formed as a top hat may be used in the same situations as a standard top hat.

Note: Protective headgear is an appropriate helmet or Headgear that is in compliance with the applicable international testing standards.

Note: An Athlete is considered to be eighteen (18) years old from the beginning of the calendar year (1st of January) in which he reaches the age of eighteen (18).

### **Article 133. Breeches/Jodhpurs**

1. Must be plain white, cream or beige
2. When worn with National Service Dress they may be of the colour of the National Service Dress.

### **Article 134. Gloves**

Gloves must be worn, and shall be white, cream, or same colour as jacket. Incorrect gloves worn will however a written warning.

### **Article 135. Boots**

1. Must be plain black or brown or the same colour as the coat/jacket, may be top boots or jodhpur boots for National Competitions.
2. Gaiters may be worn providing they are identical leather to the boots and may not have any decoration of any sort.
3. Half Chaps may be worn up to Elementary level providing they are identical colour to the boots worn, but not in **F.E.I.** International Competitions at that level.
4. Boots worn from Medium level and up or in **F.E.I.** International Dressage Competitions must comply with current **F.E.I.** Dressage Rule Article 427.1

### **Article 136. Spurs**

1. Spurs may be worn at all levels and are compulsory from Advanced Medium level upwards.
2. Junior riders, in Junior classes, may wear spurs but these may not exceed 2.5cm in length.
3. When Junior riders compete in adult classes they compete under the same regulations as for the seniors.
4. The spurs must be made of metal. The shank must be either curved or straight pointing directly back from the centre of the spur when on the Athlete's boot. The arms of the spur must be smooth and blunt. If rowels are used, they must be blunt/smooth and free to rotate. Metal spurs with round hard plastic knobs are allowed ("Impuls" spur). "Dummy" spurs with no shank are also allowed.

## **Article 137. Whips**

1. For National competitions, whips may be used at all levels up to Advanced Medium.
3. If whips are carried they must not exceed maximum length 1:20m. Refer to current **F.E.I.** Dressage Rule 428.3.3 for description of whips permitted to be used.
4. No substitute for a whip may be carried in or around the vicinity of the show ground.
5. Whips may be carried in either hand, but only in the left hand when saluting.

## **Article 138. Earphones**

Earphones and/or other electronic communication devices are strictly prohibited at National shows Dressage Competitions whilst competing and such usage is penalised by elimination. Earphones or similar devices are however permitted during training and warm-up.

# **CHAPTER VIII SADDLERY**

## **Article 139. Saddles**

1. Saddlery and equipment must conform to these General Rules and to the special rules for each discipline and with current **F.E.I.** Dressage Rules.
2. Saddles must be worn and be of English or Continental Style and must be black or brown for National events.
3. This may include all types of saddle with the exception of western saddles, up to and including Elementary Level.
4. Traditional colours are acceptable eg brown, black, two toned, grey etc. The use of cruppers is permissible.
5. At medium level and above, dressage saddles must be used.

## **Article 140. Logos**

Logos may be worn but not exceed 200cm square (approx 14cm x 14cm or equivalent). Club logos are permitted but must not exceed 200cm square at National competitions.

## **Article 141. Bridles and Bits**

1. Events run under National Rules at Introductory, Preliminary and Novice level - ordinary snaffle. See chart for full description of permitted bits, Appendix 1
2. Events run under National Rules at Elementary to Grand Prix level snaffle or double bridle. See chart for full description of permitted bits, Appendix 1
3. Nosebands are obligatory. See chart for full description of permitted nosebands, Appendix 2
5. Bridles must be black or brown in colour and reins must be attached directly to the bit.
6. Bitguards are not allowed.

## **Article 142. Gadgets**

1. Martingales, breast plates, bit guards, any kind of gadgets (such as bearing, side, running or balancing reins, nasal strips etc.), any kind of boots or bandages and any form of blinkers, including ear muffs and any others, are, under penalty of elimination, strictly forbidden.
2. Notwithstanding the above, noise canceling ear muffs are allowed at prize-giving ceremonies.

## **Article 143. Decorations**

1. Any decoration of the Horse with extravagant items, such as ribbons or flowers, etc. in the tail, etc., is strictly forbidden.
2. Normal plaiting of the Horse's mane and tail, however, is allowed.

## **Article 144. False Tail/Tail Extensions**

1. False tails/tail extensions are permitted.

## **Article 145. Protective fly hoods**

1. Protective fly hoods will be permitted.
2. These will be permitted in extreme cases only and at the discretion of the President of the Ground Jury/Technical Delegate.
3. The fly hoods should be discreet and should not cover the Horse's eyes and cannot be used for masking noise canceling earplugs.
4. If Fly Hood are permitted they will be checked by the Steward

## **Article 146. Checking of Saddlery**

1. A Steward may be appointed to check the saddlery of each Horse immediately after it leaves the arena. Any discrepancy will be reported to the Judge at C and result in immediate Elimination if confirmed.
2. The checking of the bridle may be done with the greatest caution, as some Horses are very touchy and sensitive about their mouths (see FEI Steward's Manual). The Steward must use disposable surgical/protective gloves when checking the bridle (one -1- pair of gloves per Horse).

## **Article 147. Saddlery and bits in the warming-up and training arenas**

1. Paragraphs 1 to 4 above are valid also for warming-up arenas and other training areas where, however, snaffles with a cavesson or a normal dropped noseband, Mexican noseband or a Flash noseband, boots, bandages are allowed.
2. Single direct side reins or double sliding side reins (triangle) are permitted when lungeing. Lungeing is allowed with one (1) lunge line only.

## CHAPTER IX SAFETY

### **Article 148. Horse out of control**

The judge may stop the performance, eliminate, deny rider or others to ride the horse on the show ground, or show horse away from show ground if he mastered the horse so badly that it is a danger to himself, horse or other horses and people.

### **Article 149. Disobedience**

1. During the test: If the horse is disobedient more than 20 sec continuously it will be eliminated by the Judge sitting at C
2. During the warm up and the entire competition: If the horse/rider combination is considered to a danger to themselves or other it will be eliminated from the competition and asked to dismount the horse, by the organisers.

### **Article 150. Dangerous situations**

When a horse/rider combination is experiencing extreme difficulty or is considered to be a danger to themselves or others, **BREEF** and/or organisers may, at its sole discretion and following extensive enquiries and consultation with owner/rider/trainer, direct that a particular course of action must be taken by the owner/rider. Such directions by **BREEF** may include the following:

- a Abstention for competition and training to rectify the problems, or any other course of action, which in the opinion of **BREEF** might resolve the situation.
- b. Organisers are required to carefully monitor the competence/suitability of their riders/horses.

## CHAPTER X PROTECTION OF ATHLETES AND HORSES

### **Article 151. Protection of Athletes**

1. While riding on the show grounds the use of a properly fastened Protective Headgear will be mandatory. In the Competition arena venue and adjacent warm-up areas, as well as riding from one to the other and from the stables for the purposes of competing, the Protective Headgear requirements are governed by Art. 132.
2. Failure to wear such Protective Headgear where and when required after being notified to do so by an Official, shall result in a Written warning, being issued to the Athlete unless exceptional circumstances apply.
3. The Ground Jury after consultation with the responsible medical officer may at any time exclude from further participation in a Competition or an entire Event any Athlete who is unfit to continue by reason of a serious or potentially serious injury, impairment, or health condition.
4. A Certificated First Aid person needs to be presented at the entire show.



## **Article 152. Protection of Horses**

In cases of illness or injury during an Event, the organiser will decide, whether the Horse may continue in that or subsequent Competitions.

## **Article 153 - Abuse of Horses**

1. No person may abuse a Horse during an Event or at any other time. "Abuse" means an action or omission which causes or is likely to cause pain or unnecessary discomfort to a Horse, including, but not limited to:
  - To whip or beat a Horse excessively;
  - To subject a Horse to any kind of electric shock device;
  - To use spurs excessively or persistently;
  - To jab the Horse in the mouth with the bit or any other device;
  - To compete using an exhausted, lame or injured Horse;
  - To "rap" a Horse.
  - To abnormally sensitise or desensitise any part of a Horse;
  - To leave a Horse without adequate food, drink or exercise;
  - To use any device or equipment which causes excessive pain to the Horse upon knocking down an obstacle.
  
2. Any person witnessing an Abuse must report it in the form of a protest without delay. If an Abuse is witnessed during or in direct connection with an Event, it should be reported as a protest to an Official.

## **Article 154. Medication Control**

1. It is forbidden for any rider or horse to take part in any competition whilst under the influence of any drug, stimulant, sedative or any banned substance included on the **F.E.I.** list of prohibited substances. Appropriate tests may be taken at any time by a medical or veterinary practitioner authorized by either **BREEF** the **F.E.I.**
2. Infringement of this rule may incur the maximum penalty of disqualification and expulsion for life from **BREEF**

## **CHAPTER XI JUDGES AND OFFICIALS**

### **Article 155. Mission**

The Mission of all Federation Officials is to promote, guide, develop and manage Equestrianism throughout Bahrain in the particular aspects delegated to them, from time to time, by the **BREEF**.

The principle obligations includes:

- To act with integrity in all matters.
- To represent **BREEF** effectively, loyally, diligently and impartially.
- Common mission.
- To monitor Equestrianism world-wide in order that they and **BREEF** remain up-to-date with International developments.

### **Article 156. Reports**

1. Officials (Senior Judge and Chief Steward) are required to send Reports to the **BREEF** at the conclusion of Events, in accordance with these Rules. Matters giving rise to Protests must be included in such reports.

### **Article 157. Federation Officials Code of Conduct A**

1. Be fully conversant with all the Rules and Regulations relative to their assigned duties.
2. Attend their assigned duties on time and fully prepared.
3. Dress in a proper way

### **Article 158. Federation Officials Code of Conduct B**

1. Be absent or late for duty without permission.
2. Will not conduct himself in a manner which might bring the Country, the Sport or **BREEF** into disrepute.

### **Article 159. Judges**

1. Judges and Officials will at all times be subject to their Code of Practice, together with all Rules, Regulations and Instructions of **BREEF**.
2. Judging will be conducted through the medium of English.
3. The Emirates Equestrian Federation shall appoint a panel of persons to act as Judges for Dressage Competitions from a list recommended by **BREEF**. Judges shall be appointed at the sole discretion of **BREEF** upon recommendation
4. **BREEF** shall publish each year a list of the persons so authorised.
5. **BREEF** reserve the right to remove or demote any persons, from any list, that should be deemed be correct. Removal or demotion from the list will be supported by a full explanation. Actions which could contribute to the removal/demotion will be clearly communicated.

## **Article 160. Senior Judge - Duties**

1. Senior Judge (SJ) shall instruct the Organiser, as appropriate, to make any alterations to matters which come under his jurisdiction, which he considers necessary.
2. If there is no Technical Delegate, the Senior Judge retains direct responsibility.
3. The SJ shall be competent to deal with all Protests within the meaning of this Rules relate to matters anything occurring during or in direct connection with an Event and that they are presented within the period of its jurisdiction within the meaning of this Rules.
4. The SJ may impose the following penalties and sanctions on Officials, Owners of Horses, Persons Responsible, Athletes and team officials:
  - a. A Oral Warning
  - b. A Written warning
  - c. Elimination and/or Disqualification with of Athlete(s) and/or one (1) or more Horse(s) from Competition(s) and/or from an Event
5. There is no Appeal against Decisions of the SJ which are final and binding in the following cases:
  - a. Where the question for Decision is based on a factual observation of performance during a Competition or the awarding of marks for performance; Examples of issues that are finally decided by the SJ (which are not exhaustive): the Judges marks, whether a Horse was disobedient, whether the particular track followed by an Athlete has caused him to incur a penalty.
  - b. The Elimination or Disqualification of a Horse for veterinary reasons.
  - c. The Elimination or Disqualification of an Athlete for medical reasons.
  - d. The imposition of a Warning without additional penalties
  - e. Immediate Elimination and/or Ddisqualification during an Eve

## **Article 161. Stewards**

1. **BREEF** may appoint a Chief Steward for an event, who will act subject to the President of the Senior Judge and as such will be in charge of the collecting ring, exercise arena, stabling area and other locations thought necessary and who will report any transgressions of **BREEF** Rules to the President of the Senior Judge.
2. Organisers of all National Events must appoint a Chief Steward and an appropriate number of Stewards under the authority of the Chief Steward, wearing distinctive identification such as badges, arm bands, bibs, etc, with complete freedom of access to all areas mentioned in paragraph 3 below.
3. Organisers are responsible for all administrative matters relating to the Appointment of the Chief Steward and the Stewards.
4. During the whole Event in every part of the stables, in exercise and schooling areas, collecting rings and all other areas under control of the organiser.
5. The Chief Steward and the Stewards officiating with him at the Event shall:

- a. assist the Athletes in conducting reasonable training;
  - b. intervene in time in order to prevent any abuse of Horse by Athletes, grooms, owners or any other person;
  - c. intervene in order to prevent any contravention of this Rules or of the common principles of behaviour, fairness and accepted standards of sportsmanship;
  - d. be familiar and assist with doping and medication control procedures.
6. One Steward must be on duty at the collecting ring whenever it is in use.
  7. Any irregularities must be reported immediately by the Chief Steward to the SJ.
  8. The Chief Steward must be a person experienced in equestrian sports, particularly in the Discipline of the Event where he is appointed to officiate..

## **CHAPTER XII**

### **THE LEGAL SYSTEM**

#### **Article 162. Penalties**

1. In deciding on the appropriate penalties to be imposed, the following factors shall be taken into consideration, together with any other relevant factors:
  - a. Whether the action or omission resulted in an unfair advantage to the offender or an Athlete;
  - b. Whether the action or omission resulted in a material disadvantage to any other person or body involved;
  - c. Whether the action or omission involved the maltreatment of Horses;
  - d. Whether the action or omission affected the dignity or integrity of any person involved in the sport;
  - e. Whether the action or omission involved fraud, violence or abuse or similar criminal acts.
  - f. Whether the action or omission was deemed to be deliberate.
2. An oral or written warning is appropriate in cases of minor violations or contraventions committed unintentionally and without significant consequences.
3. Disqualification is appropriate when it is specified in the Rules, or if the circumstances require an immediate action.
  - a. Disqualification from a Competition means that the Athlete and Horse or Horses concerned - are removed from the list of starters and the classification and includes the forfeiture of prize money won in that particular Competition.
  - b. Disqualification from an Event means that the Athlete and Horse or Horses concerned - may take no further part in that Event and it may include the forfeiture of any prize money won in previous Competitions at that Event where this is provided for in this Rules.

4. A Provisional or Final Suspension, on such terms and subject to conditions as **BREEF**, may impose, is appropriate in cases of intentional or very negligent violations or contravention. In certain cases a Provisional or Final Suspension may be automatic under Rules.
  - a. Suspension must be for a stated period and during that period the person, Horse or body suspended may take no part in Competitions or Events as an Athlete, Horse or Official or in the organisation of, or participation in, any Event under the jurisdiction of the **BREEF**.
  - b. In deciding when any Suspension will commence, the appropriate body shall, in order to achieve a just penalty, have regard to the gravity of the offence.
  - c. Abuse of Horses in any form (rapping, abnormal sensitisation or desensitisation of limbs, banned schooling methods etc.) shall entail a Suspension of a minimum of three (3) months up to life.
  - d. Incorrect behaviour towards Event Officials or any other party connected with the Event (other Athlete, journalist, public etc.) shall entail a Suspension of a minimum of three (3) months up to twelve (12) months.
  - e. Fraud of any kind, violence and other acts defined as criminal by the national law prevailing at the Event shall entail a Suspension of a minimum of one (1) month up to life.
5. In cases of offences mentioned in paragraphs 4.c and 4.d above and which are of a less serious nature and/or in cases specified in the Sport Rules and/or as mentioned in Article :
  - a. The SJ or organiser may deliver to the Person Responsible a Written Warning, either by hand or by any other suitable means.
  - b. Should the same Person Responsible receive one (1) more Written Warning at the same or any other International Event within one year of the delivery of the first Written Warning, the Person Responsible shall be automatically suspended for a period of two (2) months from the day following the Event at which the Person Responsible is competing after official notification from **BREEF** shall be responsible to notify the Person Responsible of such suspension.

## **CHAPTER XIII OBJECTIONS**

### **Article 163. Submission of Objections**

1. For an objection to be valid it must be in writing, addressed to the Senior Judge for Competitions. Refer to current **F.E.I.** General Rules for a full explanation for **F.E.I.** International Dressage Competitions.
2. The written objection should include the fullest details, including the Article Number/s allegedly offended. Written/signed/dated reports from witnesses and dated photographs and/or videos may be included.
3. An objection does not include a query made to the Senior Judge at Competitions or other official of the event, before the commencement of a competition.

4. An objection may only be made by an adult owner or registered Rider, who is involved in the competition, or their respective duly authorized agent, or the duly authorized guardian of a minor, competing in the competition.

### **Article 164. Time Limit**

1. The objection must be lodged within the following time limits.
2. Concerning the eligibility of any rider or horse - not less than 30mins before the commencement of the class.
3. Concerning the arena, plan or anything related to the manner in which the competition is being conducted not less than 30 minutes before the commencement of the competition.
4. Concerning any incident or decision arising during the competition not later than 30 minutes after the announcement of the results.

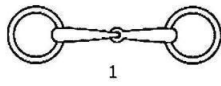
### **Article 165. Query**

Any rider, or agent, who has a query, rather than an objection, at any time during the show, must, for it to be valid, make it in writing, address it to the organiser and lodge it with the Steward.

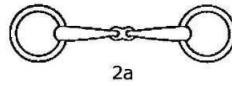
### **Appendix 1 - Permitted bits**

Various of permitted snaffle bridle bits:

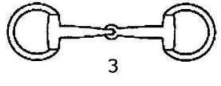
1. Loose ring snaffle
2. a,b,c,d,e Snaffle with jointed mouthpiece where middle piece should be rounded.
3. Egg-butt snaffle.
4. Racing snaffle D-ring.
5. Egg-butt snaffle with cheeks.
6. Loose ring snaffle with cheeks (Fulmer).
7. Snaffle with upper cheeks only.
8. Hanging cheek snaffle.
9. Straight bar snaffle. Permitted also with mullen mouth and with egg butt rings.
10. Snaffle with rotating mouthpiece.
11. Snaffle with rotating middle piece.
12. Rotary bit with rotating middle piece.



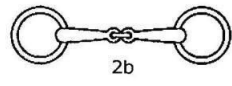
1



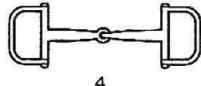
2a



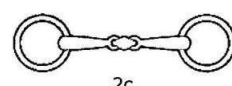
3



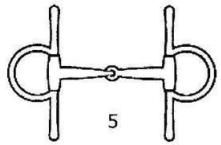
2b



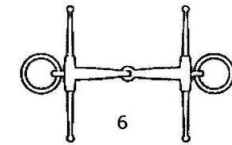
4



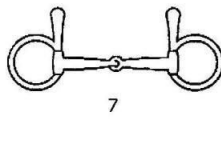
2c



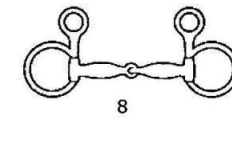
5



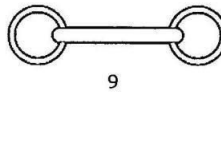
6



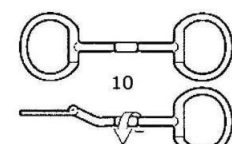
7



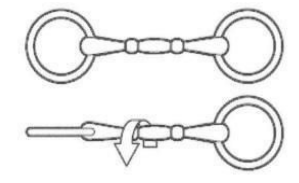
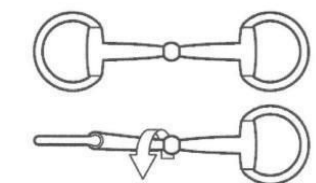
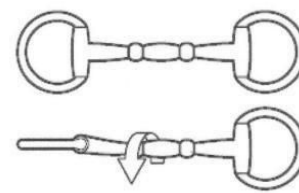
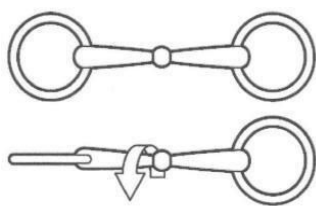
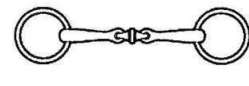
8



9



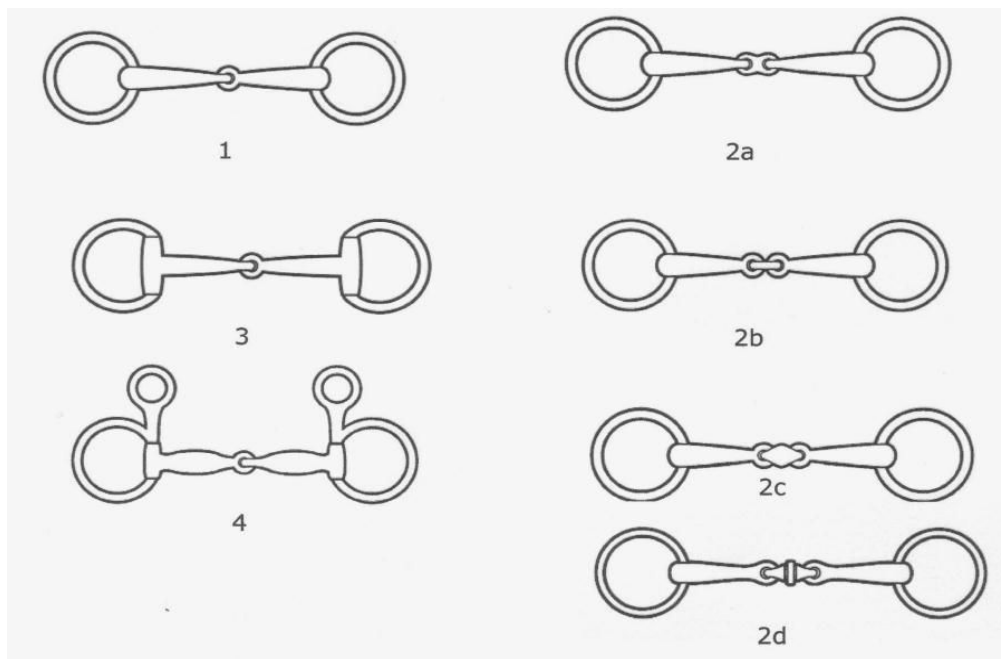
10



## Various of permitted double bridle bits:

### **Bridoons:**

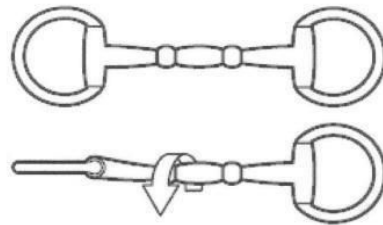
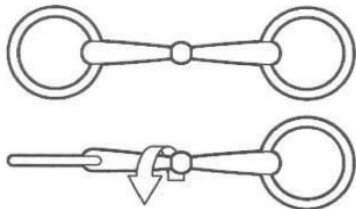
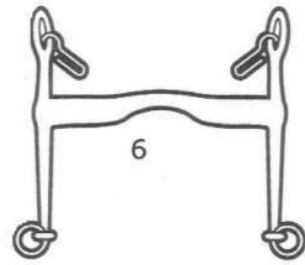
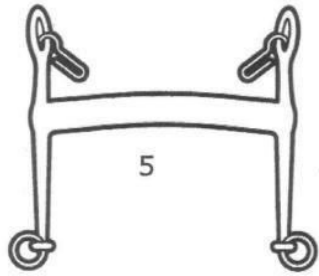
1. Loose ring bridoon bit.
2. a,b,c Bridoon bit with jointed mouthpiece where the middle piece should be rounded. Eggbutt sides also allowed.
2. d Bridoon bit with rotating middle piece.
2. e Bridoon Rotary bit with rotating middle piece.
3. Egg-butt bridoon bit.
4. Bridoon bit with hanging cheeks.



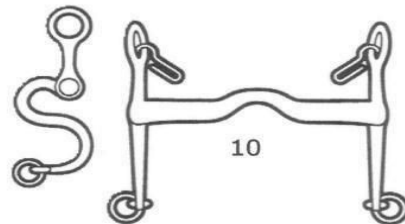
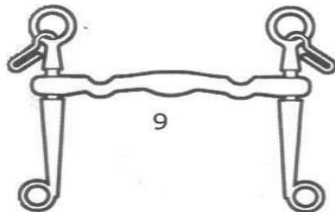
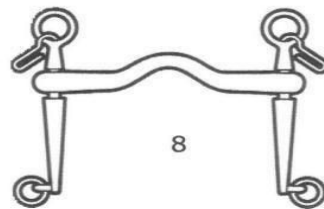
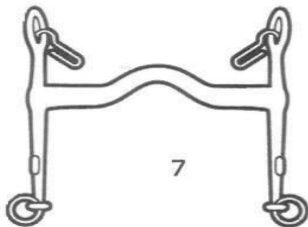
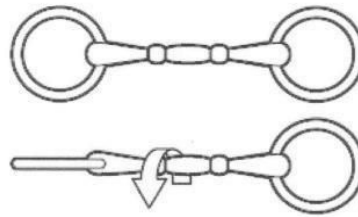
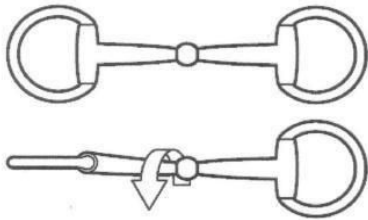
### **Curbs :**

5. Half-moon curb bits.
- 6.+7. Curb bit with straight cheeks and port.
8. Curb bit with port and sliding mouthpiece (Weymouth).  
A curb bit with rotating lever arm is also allowed.
9. Variation of bits No 6, 7 & 8.
10. Curb bit with S-curved cheeks.
11. Curb chain (metal or leather or a combination).
12. Lip strap.
13. Leather cover for curb chain.
14. Rubber cover for curb chain.





2e



11



13

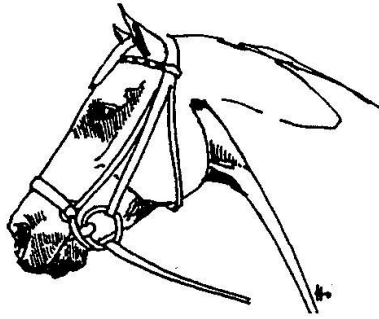


12

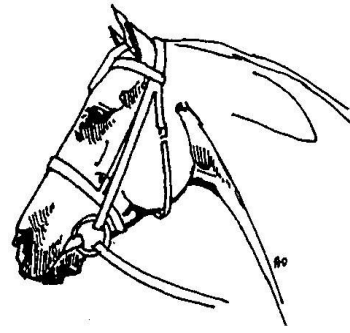


14

## Appendix 2 - Permitted nosebands



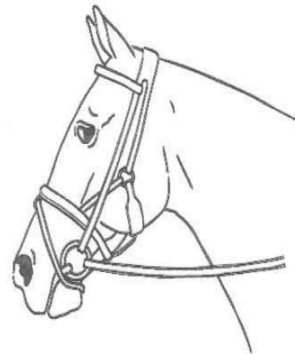
1. Dropped noseband



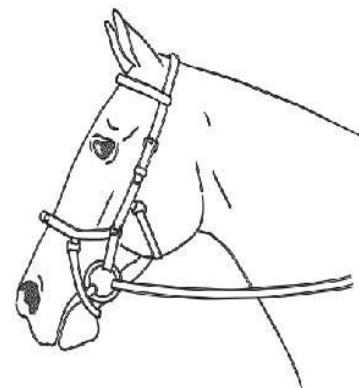
2. Cavesson noseband



3. Flash noseband



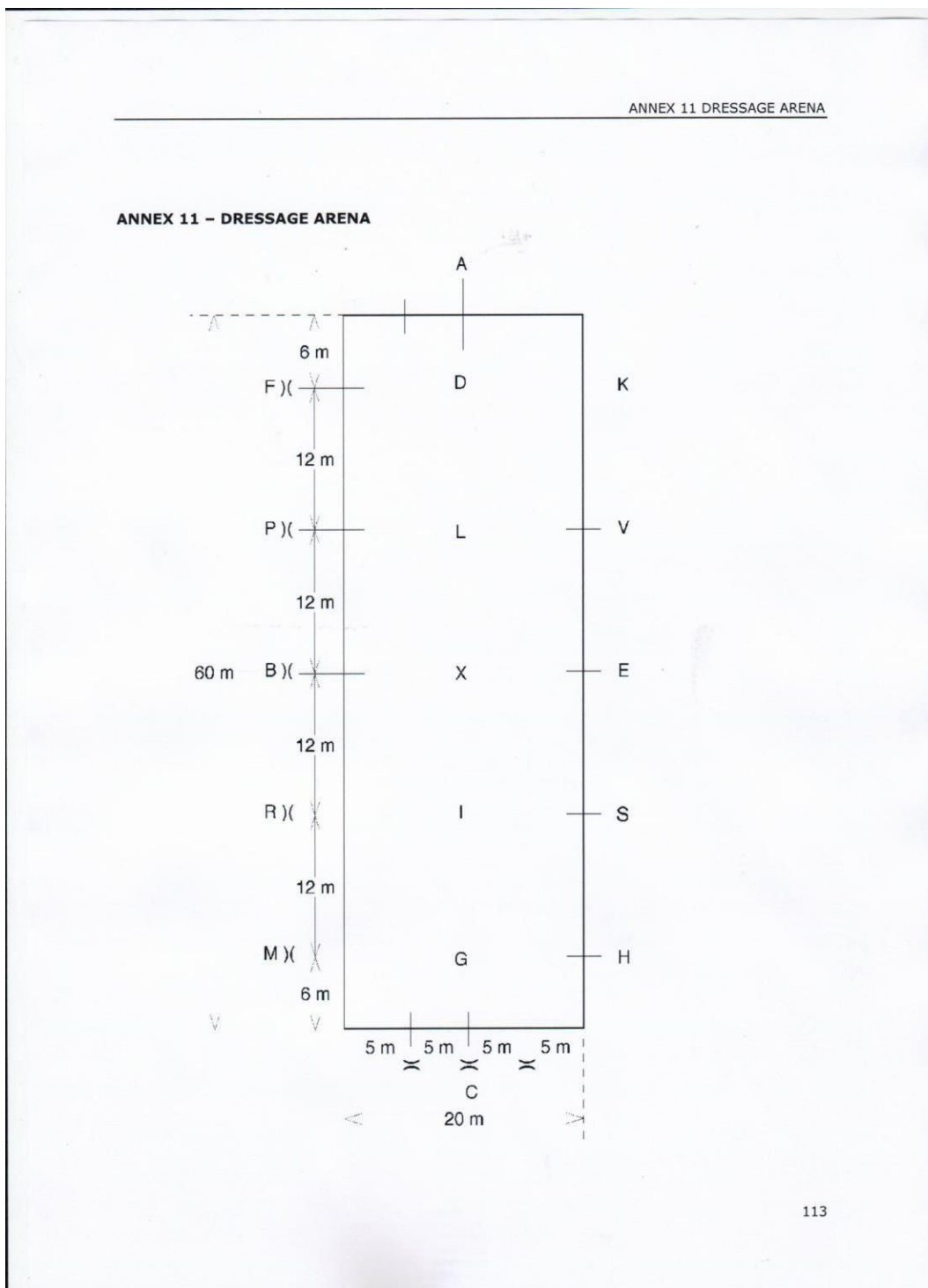
4. Combined noseband-no throat lash



5. Miclem bridle

# Appendix 3 - Arenas

## 20 x 60



## 20 x 40

Plan of 20 x 40 arena

The length of the diagonal from corner to corner is 44.72 m

