

CHANGES TO BFA RULES 2010 EDITION – DECEMBER 2011 VERSION

1) DECEMBER 2010: DECISIONS AT THE 2010 CONGRESS, APPLICATION 1st JANUARY 2011 OR THE APPROPRIATE SUBSEQUENT COMPETITION

t.35.1 – *REPLACE last line with:*

have paid to take them are authorised to referee satellite competitions.

t.37 – *Add to title, which becomes:*

– **ATTRIBUTION OF REFEREES AND VIDEO-CONSULTANTS**

New text to be inserted before the heading Individual Competitions and t.37.1:

The video-consultant must:

- a) be a referee holding an FIE licence for the year in question;
- b) have been trained to assist with the video;
- c) be of a different nationality from the fencers on the piste;
- d) be of a different nationality from the main referee.

t.37.6 and 7 – *REPLACE t.37.6 and add new t.37.7 as per the following:*

t.37.6 The drawing of lots is done with the help of a computer for the whole of the competition right through to the final. The computer programme must record each drawing of lots so that it is possible to know which referees were submitted for each draw. The computer programme should also be able to indicate whether the draw for any round was subsequently redone.

t.37.7 In conformity with articles t.37.2 and t.37.3, the designation of the video-consultant must be made by drawing lots using a computer programme. The name and nationality of the video-consultant must also be written on the pool or match sheet, beside those of the referee.

t.42.3 (video refereeing) – *REPLACE t.42.3 with the following:*

- t.42** **3** a) Video-refereeing is compulsory at all three weapons at **Grand Prix, Senior World Cup individual and team competitions, the World Championships and Olympic Games, Zonal Championships** and qualification events for the **Olympic Games**. It is optional at the **Veteran World Championships**.
- i) For World Cup individual, Grand Prix competitions, Zone Championships and qualification events for the OG, video-refereeing is compulsory and must be used as soon as the timetable allows the competition to be run on only 4 pistes, and in any case, **from the table of 64**.
 - ii) For World Cup team competitions, video-refereeing is compulsory **as soon as the timetable allows the competition to be run on only 4 pistes** including the match for 3rd place, but excluding the other ranking matches.
 - iii) For individual and team competitions of the open World Championships, video-refereeing is obligatory **as soon as the timetable allows the competition to be run on a maximum of 8 pistes, all equipped for video-refereeing**.
 - iv) For individual competitions of the Junior and Cadet World Championships, video-refereeing is compulsory as soon as the timetable allows the competition to be run on a maximum of 4 pistes, all equipped for video-refereeing. For team competitions in the conventional weapons, video-refereeing is compulsory **from the table of 16**. In epee, video-refereeing is compulsory **from the table of 8**.
 - v) For individual and team events at the Olympic Games, the video-refereeing system is mandatory **in all three weapons, at all stages of the competition**.
- b) Appeals
Both in team and individual events, only the fencer on the piste has the right to request a video review.

i) **In the individual events**, the fencer has:

- in **pools**, one possible appeal during each bout;
- in **direct elimination** bouts, two possible appeals.

Should **the referee agree with the fencer** who appealed for the video-refereeing, the latter is entitled to retain the right of appeal.

ii) **In team events**, the fencers have one possible right to appeal to the video-refereeing per relay and they are entitled to retain this right should the referee agree with the appeal.

iii) **In the case of an appeal for video-refereeing**, the referee will walk over to **the video consultant**, they will watch the video together and after having **analysed the action**, the referee will give his final decision.

c) There shall only be a maximum of **4 repetitions of the action**. The referee can choose to review the action in real time or in slow motion, at any speed he wishes.

d) **At all weapons and at any time**, the referee may consult his monitor before making a decision.

e) If the fencers' scores are **equal at the end of the match**, for the decisive hit, the referee must use the video-refereeing **before even giving his decision, except in the case specified in article t.42.3.d.**

f) **The video consultant** may at any time request that the referee **use the video-refereeing**.

g) Once the referee, together with the video consultant, has analysed the action, whether it is :

- at the referee's initiative
- at the request of the athlete
- in case of a tied score, before the decisive hit
- at the video consultant's request

the decision given by the referee is final and no other review of the same action can be requested.

t.87.4-6 (non-combativity) - REPLACE t.87.4/5/6 with the following:

4. When both fencers make their unwillingness to fight, the Referee will immediately call 'Halt!'

Unwillingness to fight (non-combativity)

If one of the two criteria below is present, there is unwillingness to fight:

1. criterion of time : approximately one minute of fencing without a hit
2. absence of blade contact or excessive distance (greater than the distance of a step-forward-lunge) during at least 15 seconds.

5. Individual events

a) If during the **first two periods** of a direct elimination bout both fencers make clear their unwillingness to fight, the Referee will proceed to the next period, without the minute rest.

b) When both fencers make clear their unwillingness to fight during the **third period** of a direct elimination bout, the Referee will proceed to a last minute of fencing. This last minute, which will be fenced in its entirety, will be decisive and will be preceded by a drawing of lots to decide the winner should the scores be equal at the end of the minute.

6. Team events

a) If both teams make clear their unwillingness to fight during a team match, the Referee will proceed to the next bout.

b) If both teams make clear their unwillingness to fight during **the last bout**, the Referee will proceed to a last minute of fencing. This last minute, which will be fenced in its entirety, will be decisive and will be preceded by a drawing of lots to decide the winner should the scores be equal at the end of the minute

t.120 (table) - DELETE line item 1.18 in the first group: present 1.19 becomes 1.18.

Figures (diagrams) in book t.

Page 34, *Valid target at foil*

Page 41, *Valid target at epee*

Page 45, *Valid target at sabre*

ADD the following words below the title of each figure:

This diagram is for guidance purposes only. In case of any doubt the wording of the appropriate text takes precedence

o.4 - REPLACE the second line by the following:

Olympic Games, the World Championships and the Junior and Cadet World Championships,
as

o.12.1 - REPLACE the article with the following

In **all competitions for which the formula includes a round of pools**, these pools will consist of 7 fencers if the number of participants is divisible by 7.—Otherwise the pools will be of 7 and 6. In no case may the pools be of fewer than 6 fencers.

If, however, as the result of the absence of one or more fencers, one or more pools were to be reduced to 5 or fewer fencers, the organisers must add to these pools one or more fencers from other pools of 7 fencers, taking into account the initial ranking of the fencer(s) being replaced.

o.31.2 - REPLACE the article with the following

The day before the competition, the organizers must publish the pools, as well as the list of exempt fencers, at the latest at 3:00 p.m. (local time). To do so, they must download the entry file from the FIE Web site at the latest the day before the competition

o.31.3 - REPLACE the article with the following

The **16 fencers entered**, who are **ranked highest in the most recent official FIE classification** are exempt from the preliminary phase.

o.32.2 - REPLACE the article with the following

After the round of pools, the 16 fencers ranked highest on the general index (cf o.19) are exempt from the preliminary direct elimination table. Should there be a tie between two or more fencers for the 16th place, there will be a barrage for 5 hits to decide who is ranked 16th.

o.33.3 - DELETE the words 'in accordance with the Rules'.

o.54.3 and o.54.4, first paragraph – in both cases REPLACE the word 'Monday' with 'Tuesday'.

o.57.3 - ADD a new sub-article:

Veterans World Championships

The Directoire Technique for Veterans World Championships is composed of three members of different nationalities, one of whom must represent the organising country.

o.81.2 - ADD the following to the end of the Article:

The Supervisor must ensure the proper application of this article.

o.81.3 - REPLACE the article with the following:

For **Open A-grade, Grand Prix and World Cup team competitions**, 7 referees, proposed by the Refereeing Commission, will be designated by the Executive Committee and delegations will not have to provide any referees. The additional referees required (not less than 5) will be provided by the organising committee. All the referees will be at the expense of the organisers who in return will keep the entry fees.

Before new Article o.87 - ADD the following title

WORLD VETERAN CHAMPIONSHIPS

o.87-o.93 - ADD new articles as follows:

o.87 The organisers must submit the programme of events to the Executive Committee for its approval.

o.88 **Entries for competitions**
Entries must be sent to the organisers by the competitors' national federation.

o.89 At the Veterans World Championships, entries for the individual events are limited to four fencers in each category per gender, per weapon and per nation.

o.90 Composition of the pools

When drawing the pools, the Directoire technique will take into account the following orders of strength:

1. The 32 highest ranked in the previous year's Championships, irrespective of age category changes;
2. The 32 highest ranked in the last Zone championships, irrespective of age category, if available;
3. All other fencers in order of age, starting from the youngest.

The allocation of fencers in the pools must be made in such a way as to place fencers of the same nationality, as far as possible, in different pools, by moving them down the ranking as necessary.

If in any category there are fewer than ten competitors, the competition is held as a poule unique.

If in any category there are fewer than 6 competitors, they will fence with an adjacent age category. A separate ranking for this category will be extrapolated from the other category at the end of the competition.

If in any category there is only one competitor, the event in that category is cancelled.

o.91 Duration of the matches

The direct elimination bouts are for 10 hits or end when two periods of three minutes, with one minute rest between the periods, have passed. As an exception, at sabre, the first period ends either at the expiry of the three minutes or when one of the fencers has scored five hits.

o.92 Referees

Participating countries must notify at least one month in advance whether they will either bring the required number of referees or pay the penalty, in order to allow enough time to the organizers to recruit other referees.

o.93 Invitations for international officials

1. Any proposed candidature for organising the World Championships must be studied at the venue concerned by a delegate designated by the Executive Committee, at the invitation of the candidate federation.

s2. The organising committee of the World Championships, who will receive all the entry fees from the participating delegations, must, at their own expense, invite the following international officials (tourist-class return air fare, accommodation and daily allowances):

- a) The President of the FIE or his representative, who presides over the World Championships and, in particular, controls the smooth running of the Directoire Technique.
- b) Three members of the Directoire Technique appointed by the Executive Committee of the FIE, one of whom must belong to the organising country.
- c) One member of the SEMI Committee, appointed by the Executive Committee of the FIE.
- d) One member of the Refereeing Committee, appointed by the Executive Committee of the FIE.
- e) One member of the Medical Committee, appointed by the Executive Committee of the FIE.

m.2.3, 2nd sentence – REPLACE the first 4 words, 'The guard may contain' with:

For foil and épée, the guard must contain

m.5.2.a) - REPLACE the first line with:

For foil and épée, inside the guard there must be a cushion (padding) sufficiently wide to

m.5.3.d) - ADD to the end:

In the absence of a security device being fitted to the weapon, a security device must be fitted to the plug of the bodywire.

m.8.5b) - ADD after the words "A 200 g weight":

'(tolerance +/- 1 g)'

m.11.4, -ADD to the end:

The gauge used should have a tolerance of a maximum of +/- 0.05m

m.13.1 - DELETE the words 'as well as the pommel or the rear extremity of the handle,'

m.16.5.b) - *ADD after the words "A 200 g weight":*

'(tolerance +/- 1 g)'

m.19.4.a) - *ADD to the end:*

The gauge used should have a tolerance of a maximum of +/- 0.05m

m.19.4.b) - *ADD to the end:*

The gauge used should have a tolerance of a maximum of +/- 0.05m

m.23.5.b) - *ADD after the words "A 200 g weight":*

'(tolerance +/- 1 g)'

m.24.2 - *REPLACE the last phrase to read:*

, the blade being parallel with the longitudinal axis of the gauge.

m.27.3 - *REPLACE with the following text:*

Means of connection: the electrical contact between the conductive jacket and the bib of the mask must be ensured by means of a white-coloured or clear covered wire with two crocodile clips. The wire must be attached to the bib of the mask with one crocodile clip and to the jacket with the other. This wire must be between 30cm and 40cm long.

m.29.1.b) - *ADD to the end:*

In the absence of a security device being fitted to the weapon, a security device must be fitted to the plug of the bodywire.

m.31.2 - *ADD to the end:*

In the absence of a security device being fitted to the weapon, a security device must be fitted to the plug of the bodywire.

m.31.2 - *DELETE the 2nd sentence, "The wire must be attached, either by means of a crocodile clip or by being soldered, to the mesh of the mask, and must be between 30 cm and 40 cm long.*

m.32.5 - *ADD to the end:* The wire must be white-coloured or clear.

m.44.7 - *New text:*

The wireless apparatus is optional at the Veteran World Championships.

m. annexe A, 2.1.2.1. *(page 59 in new 2010 version) Newtext:*

1.1 The wearing of the transparent mask is **optional** at all weapons and in all FIE competitions.

1.2 Veteran World Championships

The wearing of the transparent mask is optional at the Veterans World championships, at all three weapons.

m.annexe A, 2.1.2.3 *(transparent masks, safety standards) paragraph 3 - REPLACE the last line with the following:*

manufacture, using the format of month (two digits) and year (four digits), e.g. 10-2010, must be indicated on it very clearly.

Figures (diagrams) in book m.

Page 11: Dimensions and flexibility at foil, figure 8

Page 15 Dimensions and flexibility at epee, figure 9.

Pages 21 and 23: Dimensions and flexibility at sabre, figure 12 and figure 13.

page 17: Epée design of pointe d'arret, figure 10.

page 17: Epée details of tip of point, figure 11.

page 28: Conductive jacket at foil, figure 14.

page 33: Conductive jacket at sabre, figure 15.

ADD the following words below the title of the figure:

This diagram is for guidance purposes only. In case of any doubt the wording of the appropriate text takes precedence

2) DECEMBER 2010: DECISIONS AT THE 2010 CONGRESS, APPLICATION 2011-12 SEASON

m.23.2 - *ADD to the end*

The edges of the folded-over tip or button must be chamfered to a radius of 0.5mm (minimum) so as to remove all sharp edges.

3) AUGUST 2011: Correction and Decision of EXECUTIVE COMMITTEE

t.120, 1.6 add the words

'dressing and...' before 'undressing in public'

m.23.2 Delete the final sentence:

~~The edges of the folded over tip or button must be chamfered to a radius of 0.5mm (minimum) so as to remove all sharp edges.~~

(By decision of the Executive Committee, this requirement has been postponed indefinitely.)

4) NOVEMBER 2011: Urgent Decision by the EXECUTIVE COMMITTEE

o.80: Amended text:

o.80 Only fencers who are **of an age to qualify** for the next Junior World Championships may fence in the official FIE Junior competitions, individual or team, of the current fencing season.

t.15.2: New text:

This urgent decision was modified at the 2012 Congress – see below for final text

5) DECEMBER 2011 : Decisions at the 2011 Congress. Applicable from 1st January 2012

t.15.2 Add a new t.15.2

It is obligatory for any fencer who warms up or trains with another fencer on site at an official FIE competition (including in the training halls linked to the competition) to wear **fencing clothing and equipment** which conforms with the FIE regulations.

Any person giving a lesson must wear at least a fencing master's plastron, as well as a fencing glove and a mask conforming with the regulations.

Any fencer taking a lesson must wear at least a mask and a glove

The present t.15.2 becomes t.15.3.

t.23.2 add t.72. to the cf's

t.28.1 New text:

If a competitor crosses one the lateral boundaries of the piste, he must step back one meter from the point where he left the piste; and if he goes off the piste during an attack he must return to the position he occupied when he started his attack and then step back a further meter (but cf t.29).

t.37 Add as an introduction:

Whenever video refereeing is used, there shall be designated video consultants who will watch the match live, then, should the need arise, subsequently on the video screen, and interact with the referee s specified in t.42.3.

t.38 Add and 7) as follows: remainder of text unchanged:

The same rules as those in article t.37.3), 4), 5), 6) and 7) are applied...

t.45.3.a i) Add new text as follows as v):

v) has been wilfully altered (i.e., in a manner other than by accidental cause or by conditions during the bout) so that it would not pass a preliminary check;

ii) Renumber existing subsections v) and vi) as vi) and vii) respectively;

iii) Following expanded text to be follow vii):

In cases iii), v), vi), and vii) above, the Referee must immediately confiscate the equipment (weapon, bodywire, if necessary conductive jacket, mask, protective under-plastron, jacket, Breeches, etc.), and have it examined by the expert on duty.

t.45.3.b Reference numbers in last sentence to be changed as follows:

- in cases iii), v), vi), and vii) the Referee will penalise him as specified for offences of the 4th group (cf. Articles t.114, t.119, t.120).

t.102. New text:

Loss of ground on the piste (cf. t.28)

If a competitor crosses one the lateral boundaries of the piste, he must step back one meter from the point where he left the piste; and if he goes off the piste during an attack he must return to the position he occupied when he started his attack and then step back a further meter.

t.118.3.b *Delete the words:*

and/or expulsion from the competition venue.

t.120 *Delete notes (1), (2) and (3) in lines 3.1 and 3.4 and in the “Explanations” section.*

t.120, 4.1 *Change article reference t.45.3.a) vi to t.45.3.a) vii).*

t.120, 4.2 *Change article reference to t.45.3.a) iii) iv) v).*

t.120, 4.8 *Delete the asterisk.*

o.53.3 **Withdrawal of a fencer.**

Add new text as second paragraph:

Should a fencer or team who have been entered **not present themselves to fence**, their federation will be penalised by a **fine** (cf o.86, table of financial penalties and fines), payable to the FIE, except in cases of properly authenticated ‘force majeure’.

o.54.1 *Add the following text to the second paragraph:*

However, a replacement can be made after this stage, and at the latest at the end of the individual event, in the case of injury or illness duly certified by the official competition medical doctor.

o.54.2 **Withdrawal of a fencer or team.**

Add the words “For the individual event,” to the beginning of the last sentence.

For the individual event, the fencer may not be replaced.

o.81.1 *Add the following text to the end of o.81.1:*

The name(s) of the referee(s) (who must have an FIE category in the weapon of the competition for which they are entered) must be announced via the FIE website 7 days before the competition (midnight, Lausanne time).

o.81.2 *Delete all text after the words ‘...will be inflicted on it.’*

o.81.1, 2 and 3 *Change the numbering so that o.81.1, 2 and 3 become: o.81.1.a), b) and 2*

o.86 *i) :Delete the last line of the table:*

ii): Delete from previous (now last) line the words:

(organisers informed 15 days in advance) :

iii):Change amount in third column to:

€1000 per referee

m.8.6 *Add the following text:*

The curve of the blade must be measured as follows:

- i) the blade is placed on a flat surface so that the curve is uppermost;
- ii) the maximum distance between the flat surface and the blade is measured: this distance is deemed to be the curve of the blade (cf Fig 8)

(In fact, at the moment, there is no diagram in Fig 8 relating to this text: it will be incorporated as soon as it is available from the FIE!)

m.16.2 *Add the following text:*

The curve of the blade must be measured as follows:

- i) the blade is placed on a flat surface so that the curve is uppermost;
- ii) the maximum distance between the flat surface and the blade is measured: this distance is deemed to be the curve of the blade (cf Fig 9).

m.23.4 *Add the following text:*

The curve of the blade must be measured as follows:

- i) the blade is placed on a flat surface so that the curve is uppermost;
- ii) the maximum distance between the flat surface and the blade is measured: this distance is deemed to be the curve of the blade (cf Fig 13).

(The current diagram is now inaccurate: again, the correct diagram will be inserted as soon as it is available from the FIE)

m.28.5.a) *In the second sentence, delete the words ‘copper or brass’ and substitute: ‘conductive metal’.*

m.38.1 *In the last sentence, change ‘two body-wires’ to ‘three body-wires’ and ‘two mask-to-jacket leads’ to ‘three mask-to-jacket leads’*

m.53.1 *Add the following new text as a second paragraph:*

The control of the fencing apparatuses must be done before the competition using a checking device that is able to verify that the fencing apparatuses fulfil all requirements related to reaction times and electrical resistances.

m.57.9 *The following new text to be added as m.57.9:*

Pistes used in the World Championships and in the Olympic Games must be tested before competition by SEMI Commission Delegates using the Slip-Meter.

m.57.10 *The following new text to be added as m.57.10:*

The specifications of the Slip-Meter must fulfil the specifications defined in the homologation manual.

Annex A in the Material Book: replace the introductory page with the following text:

Introduction:

Fencing material used in official FIE competitions and carrying the FIE logo must, without exception, have obtained a certificate of homologation, certifying that a specific item of fencing material complies with FIE Rules.

The homologation procedure is carried out by the **FIE SEMI Commission** under the supervision of an Executive Committee representative.

The homologation certificate is delivered following the successful passing of the homologation process described hereafter.

The manufacturer must wait for the result of the homologation process to be published and for the certificate to be issued prior to beginning production and/or commercialization.

The FIE SEMI Commission is composed of 10 elected members and the FIE COMEX representative and, in case of need, the SEMI Commission may consult experts from different fields to ensure the quality and expertise of the homologation process.

For **software homologation**, a delegate from the **Rules Commission** is mandatory.

For **video-refereeing**, a delegate from the **Refereeing Commission** is mandatory.

Field of application:

Homologation is compulsory for blades, points, protective clothing (jackets, breeches and under plastrons) including masks and gloves, fencing scoring apparatuses(both withwires and wireless), pistes, video refereeing systems and competition management software.

This list is not exhaustive and can be extended at any time by the Executive Committee.

Homologation process:

- 1) The homologation request must be addressed in written form to the President of the SEMI Commission. The request must contain all the documents requested in the appropriate technical handbook.
- 2) The President of the SEMI checks the request for theoretical conformity (completeness of the file, complying descriptions...) and replies within 14 days to the person making the request. An application which fails is sent back to the person making the request with explanations for the rejection. A successful application is forwarded to the FIE SEMI Commission members with a copy to the person making the request.
- 3) The Manufacturer and the independent Institute of his choice should both send the laboratory compliancy test results to the President of the SEMI Commission, together with the request for homologation. The only specialized institutes approved by the SEMI are CRITT, Denkendorf and IFTH for clothing (jackets, breeches and under plastron) and masks; and CRITT, Sofranel and Visti for blades. Equipment failing to pass the tests may be modified following SEMI instructions and submitted again for the homologation process.
- 4) Equipment needing to be tested in a competition will be given a provisional homologation to be used at a specific competition, agreed with the representative of the Executive Committee and the organizer of the chosen competition **at the proposal of the SEMI President**.
- 5) After successfully passing all tests a sample of each piece of equipment should be sent to the President of the SEMI for analysis and reference; if the results of this analysis are satisfactory the specification of the equipment is given FIE homologation
- 6) Every step in the homologation process is documented in conformity with the technical handbooks. The person making the request has free access to the documentation. Every member of the SEMI Commission must receive the full documentation. However, to protect intellectual property these documents are not available to the public at large.
- 7) The final homologation is published on the FIE website.
- 8) **CE certificates and tests** are given by specialized institutes. The SEMI provides lists of equipment which has received homologation, published on the FIE website and with the appropriate certificates.

Modification management:

- 1) The homologation is valid for the duration specified in the technical handbooks as long as no modification is made to the equipment or its manufacturing process.
- 2) Any change must be reported to the **FIE SEMI Commission President**.
- 3) The modified equipment must pass the whole homologation process again.
In particular, if a manufacturer intends to change the material or the manufacturing of his FIE certified equipment, he must submit it to a new homologation process and wait for the result.

Technical handbooks:

- 1) Technical handbooks are elaborated by the SEMI and submitted to the Executive Committee.
- 2) Technical handbooks are **specific to each item** of equipment.

Marks:

The FIE emblem is a registered trademark.

It can only be used on equipment that has successfully undergone the FIE homologation process.

By affixing the FIE label of quality to their equipment manufacturers guarantee that such marked equipment fulfils FIE technical and security requirements.

Expenses:

All the expenses and costs related to the homologation of the equipment (masks, blades, breeches, jackets, under-plastron), pistes and apparatus, software and video systems are chargeable to the requester.

Withdrawal or suspension of a homologation:

- Homologation can be withdrawn or suspended when the SEMI Commission becomes aware that:

- a) the homologated material no longer conform with the Rules; or
- b) after the homologation has been granted, the material has been modified significantly and the modifications have not been submitted for a new homologation.

6) DECEMBER 2011 : Decisions at the 2011 Congress. Applicable for the London Olympic Games or from start 2012-13 season

a) Applicable for the London Olympic Games

m.42.2 g) Add the following new text as m.42.2.g:

In the World Championships and Olympic Games the control of blades by Foucault current is mandatory.

The current g) and h) accordingly become h) and i) respectively.

b) Applicable from start 2012-13 season

New numbering of fights:

o.44.3 The bouts of each match must be fought in the following order:

3-6, 1-5, 2-4, 1-6, 3-4, 2-5, 1-4, 2-6, 3-5.

If this order is **altered**, intentionally or unintentionally, all the hits scored following the modification are annulled and the match is resumed in the correct order. (cf. t.86).

m.18 **m.18 becomes m.18.1 and the following text is added as m.18.2:**

The handle must have, at the end which is in contact with the guard, a notch of 2 mm minimum depth, which allows the electric wires and their insulating sheaths to pass towards the sockets inside the guard without being squashed.(cf m.31.7)

m.23.1 *Text of the second part of the second sentence to be modified as follows:*

‘...is 4 mm; its **minimum** thickness, also **measured** immediately below the button, must be at least 1.2 mm.’

Relevant text in Figure 12 to read: Minimum thickness of blade, **measured** at the base of button: 1.2 mm.’

m.28 **Title for m.28 to become:** Conductive jacket and conductive T-shirt.

m.28.1 *New text to be added to m.28.1:*

The jacket must have a conductive flap, minimum 2 cm by 3 cm, near the middle of the back, just below the collar, to which the crocodile clip from the mask can be attached.

This flap should also be added to the diagram of the foil jacket. (Figure 14) with the text:

‘Tag for crocodile clip on the back of the jacket.’

m.28.4 *New text as follows:*

The conductive **collar** must have a minimum height of 3 cm and the foil conductive jacket must have a conductive flap, minimum 2cm by 3 cm, near the middle of the back, just below the collar, to which the crocodile clip from the mask can be attached.

m.28.8: Add the following new text as m.28.8:

8. For compliance of the T-shirt's electrical resistance with a **wireless manufacturer's requirements**, the maximum electrical resistance:
- a. between any two points of the electrically conductive belt on the T-shirt (including both flaps for crocodile clip connection) should be not more than 15 Ohms;
 - b. between any two points on the electrically conductive fabric-belt portion of the T-shirt (including both flaps for the crocodile-clip connection) and any point of the electrically conductive fabric on the sleeves or on the neck, should be not more than 50 Ohms;
 - c. these checks must be carried out by a wireless equipment manufacturer."

m.34.1 Delete the final sentence and replace with the following text:

The conductive part is made of a conductive fabric: the maximum electrical resistance between any two points of the electrically conductive t-shirt fabric (including both flaps for crocodile clip connections) must be not more than 15 Ohms. These checks must be carried out by a wireless equipment manufacturer.

m.34.2 Insert the word 'minimum' before '2cm x 3cm'

Annex A to Material book

2.1.2

1) General

Add the following text as the second paragraph:

The transparent visor, when used, must be a minimum of 3.0 mm in thickness and must also have a separate replaceable outer covering (a "sacrificial" layer) at least 1 mm in thickness. The visor must be made of **polycarbonate resin thermoplastic**, and each mask and each replacement visor must be accompanied, at the time of purchase, with a statement that guarantees the authenticity and origin of the **polycarbonate resin thermoplastic**. The visor must correspond to the required norms of materials and manufacture as indicated in 2.1.2. of the annex to chapter 3 (Materials) of the rule book.