



**INTERNATIONAL
SAMBO FEDERATION**

**FIAS SPECIFICATION SHEET
FOR COMBAT SAMBO PROTECTIVE
EQUIPMENT MANUFACTURING**

2022



APPROVED by
FIAS Executive Committee
March 25, 2016
APPROVED with changes by
FIAS Executive Committee
March 20, 2020
APPROVED with changes by
FIAS Executive Committee
April 20, 2022

I. GENERAL PROVISIONS	4
II. TECHNOLOGICAL REQUIREMENTS COMBAT SAMBO PROTECTIVE EQUIPMENT MANUFACTURING	5
2.1. Combat SAMBO helmet	5
2.1.1 Appearance	5
2.1.2 Fabric characteristics	5
2.1.3 Structural features	6
2.1.4 Sizes	7
2.2. Combat SAMBO gloves (hitting-gripping)	7
2.2.1 Appearance	7
2.2.2 Fabric characteristics	8
2.2.3 Structural features	9
2.2.4 Sizes	9
2.3. Combat SAMBO shin guards	10
2.3.1 Appearance	10
2.3.2 Fabric characteristics	10
2.3.3 Structural features	10
2.3.4 Sizes	11
2.4. Chest protector for women	11
2.4.1 Appearance	11
2.4.2 Fabric characteristics	11
2.4.3 Structural features	12
2.4.4 Sizes	12
2.5. Groin protector (hard cup) for men	12
2.5.1 Appearance	12
2.5.2 Fabric characteristics	13
2.5.3 Structural features	13
2.5.4 Sizes	13
2.6. Mouth guard	13
2.6.1 Appearance	13
2.6.2 Fabric characteristics	14
2.6.3 Structural features	14
2.6.4 Sizes	14
III. REQUIREMENTS FOR POSITION OF LOGOS ON COMBAT SAMBO PROTECTIVE EQUIPMENT	14
3.1 Requirements - manufacturer's logos	14
3.2 Requirements - FIAS conformity mark	15
Annex 1	17
Annex 2	18
Annex 3	19
Annex 4	20
Annex 5	21

Analysis of sporting events arranged by International Sambo Federation (FIAS) shows an increase in modern combat SAMBO indicators (number of member countries and participants of events, level of preparation and arrangement of events, etc.). However, there are still many issues that remain urgent.

The most important one is about combat SAMBO protective equipment, particularly, there is a need to develop unified international standards for uniform and establish regulatory and legal framework for manufacturing, licensing and sale thereof.

The purpose of this project is to develop unified international requirements for combat SAMBO protective equipment manufacturing.

I GENERAL PROVISIONS

Official documents approved by FIAS Executive Committee (Regulations and SAMBO Rules) contain key terms related to combat SAMBO protective equipment.

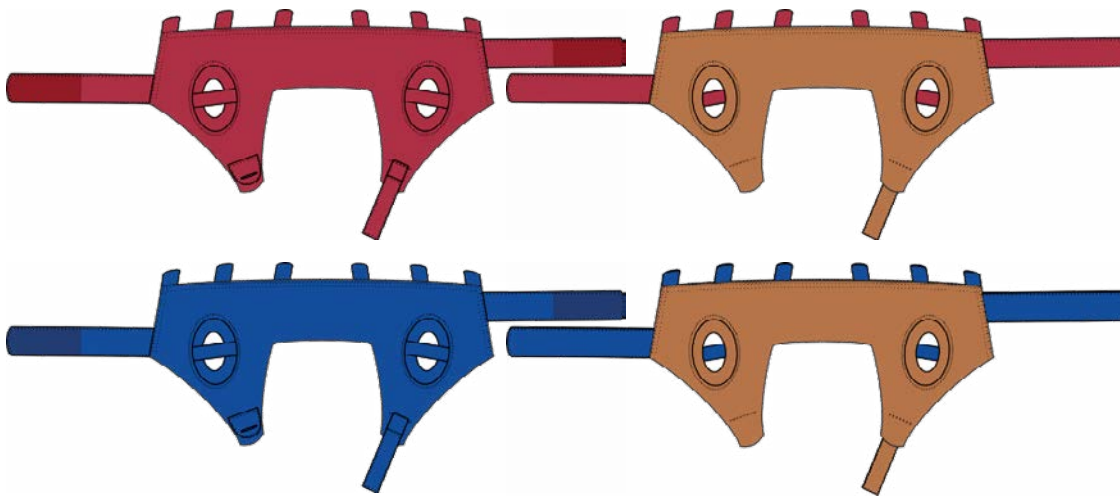
Thus, Outfit means sportsman's clothing and gear necessary for training and participation in contests. (Chapter 1, Clause 1 of the Regulations of FIAS on Organizing and Holding Official FIAS Competitions (Sports and Organizational Rules), hereinafter referred to as "FIAS Regulations"). combat SAMBO protective equipment is described in FIAS Regulations (Chapter 16, Clause 16.1.1) as well, according to which:

1. Uniform of combat Sambo competition participant in addition to SAMBO jacket, shorts and SAMBO shoes, includes additional special equipment:
 - Combat SAMBO helmet;
 - Combat SAMBO gloves (hitting-gripping);
 - Combat SAMBO shin guards;
 - Capa;
 - Solid bandage (cup).
2. For all official FIAS SAMBO competitions, uniform of a participant and the whole outfit must be of one color – either red or blue. The color of SAMBO shoes may be combined (blue and red). Uniform inspectors shall ensure such compliance.
3. Uniform size compliance is verified by uniform inspectors who use a special ruler in accordance with FIAS competition rules.

II. TECHNOLOGICAL REQUIREMENTS COMBAT SAMBO PROTECTIVE EQUIPMENT MANUFACTURING

2.1 Combat SAMBO helmet

2.1.1 Appearance



2.1.2 The choice of materials used for the production of helmet and their characteristics, determined by the manufacturer. It is necessary to consider the requirements of the FIAS, the main of which are:

- a) color (PANTONE international standards):
 - i. red (PANTONE18 -1662TPX (Flame Scarlet));
 - ii. blue (PANTONE18 -4051TPX (Strong Blue));
- b) color permanence: high;
- c) wear resistance: high;
- d) texture: smooth.

Filler:

- e) thickness: 12-15 mm.;
- f) wear resistance: high.

2.1.3 Structural features

Design features of the helmet are determined by the manufacturer, but it is necessary to consider the requirements of the FIAS, the main of which are:

- a) configuration of the helmet provides protection only in the frontal, temporal mandibular and occipital parts of the head, without additional protection of the parietal and the front part of the head;
- b) a filler cap of the helmet, with the exception of the occipital, which may be a separate segment;
- c) rollers for protection of the ear can be overlaid or hidden (**Annex 1**) and have a horizontal strip down the center to protect the eardrum.

For the reliable arrangement of the helmet on the head, provided fixation systems – parietal, occipital, mandibular (**Annex 1**).

- d) parietal fixation is represented by the loops and lace:
 - i. loop made of braid with a width of 2-5 cm.;
 - ii. the loop height of 4-5 cm.;
 - iii. hinges are fastened on the upper edge of the helmet at a distance of 8-15 cm from each other, double sewing stitch;
 - iv. the number of loops – 5-7 pieces;
 - v. the lace is cotton or synthetic braided thread.
- e) mandibular fixation is represented by strap and buckle:
 - i. the strap is made of the same fabric of the same color as the outer part of the helmet;
 - ii. strap width – 2-2.5 cm.;
 - iii. strap length – 20-30 cm.;
 - iv. the strap is sewn on the bottom left temporo-maxillary part of the helmet on the outside, reinforced through stitching;
 - v. the strap is sewn contact tape (VELCRO) perimeter double row of stitch;
 - vi. the buckle is made of two layers of the same fabric of the same color as the outer part of the helmet and sewn perimeter double row of stitch;
 - vii. the buckle is sewn at the bottom of right temporal-maxillary part of the helmet on the outside, reinforced through stitching.
- f) occipital fixation is represented by strap and buckle:
 - i. the occipital fixation system may consist of one wide or

- two narrow straps and buckles, respectively;
- ii. the strap is made of the same fabric of the same color as the outer part of the helmet;
 - iii. strap width – 10-15 cm single, 4-7 cm. double;
 - iv. strap length – 25-30 cm;
 - v. the strap is sewn to the side of the temporo-maxillary part of the helmet on the outside, reinforced through stitching;
 - vi. the strap is sewn contact tape (VELCRO) perimeter double row of stitch;
 - vii. buckle is made of webbing width of 1-1,5 cm.;
 - viii. the buckle is sewn to the side of the temporo-maxillary part of the helmet on the outside, reinforced through stitching.

2.1.4 Sizes

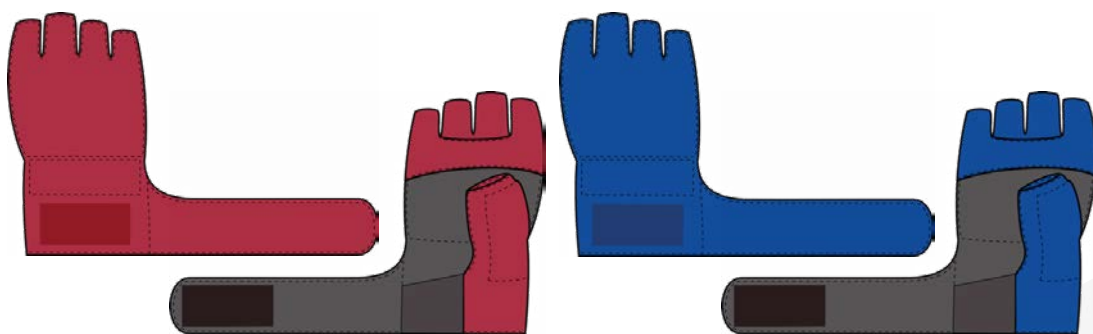
SAMBO helmet shall correspond to international standard clothing sizes for men.

Size US | S | M | L | XL | XXL

Size EU | 44-46 | 46-48 | 48-50 | 50-52 | 52-54

2.2 Combat SAMBO gloves

2.2.1 Appearance



Gloves for the age group juniors and adults



Gloves for the age group of youth and cadets

2.2.2 The choice of materials used for the production of gloves and their characteristics, determined by the manufacturer. It is necessary to consider the requirements of the FIAS, the main of which are:

The outer part:

- a) color (PANTONE international standards):
 - i. red (PANTONE18 -1662TPX (Flame Scarlet));
 - ii. blue (PANTONE18 -4051TPX (Strong Blue));
- b) color permanence: high;
- c) wear resistance: high;
- d) texture: smooth.

The inner part:

- e) wear resistance: high;
- f) texture: smooth.

Filler:

- g) thickness

Juniors and adults	Youth	Cadets
10-15 mm.	20-30 mm.	30-40 mm.

- h) wear resistance – high.

Weight of gloves:

Juniors and adults	Youth	Cadets
at least 3 oz	at least 6 oz	at least 10 oz

2.2.3 Structural features

Design features of the gloves are determined by the manufacturer, but it is necessary to consider the requirements of the FIAS, the main of which are:

- a) outer part of the glove may be of one-piece or made up of pieces of leather, with the binding between the finger separation (gloves for youth and cadets have a solid impact surface);
- b) a filler gloves must cover entire area from the wrist joint to the proximal interphalangeal joint (**Annex 2**);
- c) the filler area of the thumb, should cover the area of the metacarpophalangeal joint (**Annex 2**);
- d) length of the finger of the glove should cover 1/3 of the length of the fingers, and 1/2 of the length of the thumb.

For reliable location of the glove on the hand provides wrist fixation system:

- e) fixation radiocarpal presented cuff (**Annex 2**):
 - i. cuff made of the same fabric of the same color as the outer part of the glove;
 - ii. cuff width is 4-6 cm.;
 - iii. cuff length – 20-30 cm.;
 - iv. on the free end of the cuff sewn contact tape (VELCRO) perimeter double row of stitch.

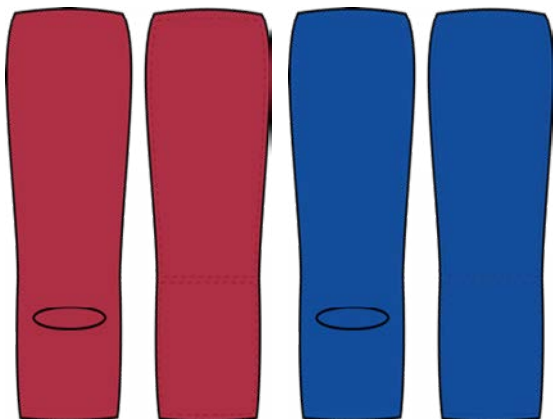
2.2.4 Sizes

SAMBO helmet shall correspond to international standard clothing sizes for men.

Размер US		S		M		L		XL		XXL
Размер EU		44-46		46-48		48-50		50-52		52-54

2.3 Combat SAMBO shin guards

2.3.1 Appearance



2.3.2 The choice of materials used for the production of shin guards and their characteristics, determined by the manufacturer. It is necessary to consider the requirements of the FIAS, the main of which are:

- a) color (PANTONE international standards):
 - i. red (PANTONE18 -1662TPX (Flame Scarlet));
 - ii. blue (PANTONE18 -4051TPX (Strong Blue));
- b) color permanence: high;
- c) wear resistance: high;
- d) texture: smooth.

Filler:

- e) thickness: 10-15 mm.;
- f) wear resistance: high..

2.3.3 Structural features

Design features of the shin guards are determined by the manufacturer, but it is necessary to consider the requirements of the FIAS, the main of which are:

- a) shin guards should be made in the form of stocking with the toe cut and a cut for the heel (**Annex 3**);
- b) filler shin guards shall cover the Shin from the ankle to the knee, and the surface of the foot from the ankle to the metatarsophalangeal joints (**Annex 3**);

c) the system of fixation of the shin guards must be guaranteed by a seal on the lower leg and foot. As an additional fastening system may provide the locking element in the form of a cuff (**Annex 3**);

- i. the cuff is made of thick elastic tape the same color as the outer part of the shin guards;
- ii. cuff width – 2-2.5 cm.;
- iii. cuff length – 25-35 cm.;
- iv. the cuff is fastened outside on upper front part shin guards the perimeter double row of stitch;
- v. the ends of the cuffs are fixed with each other through the contact tape (VELCRO).

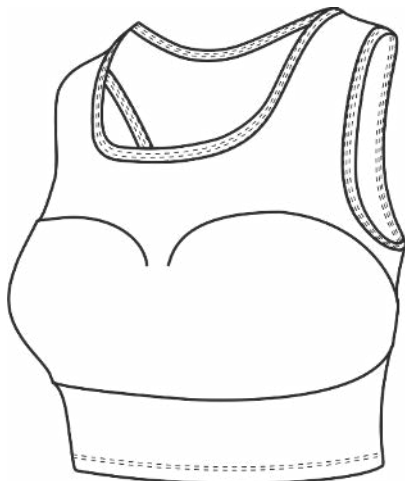
2.3.4 Sizes

SAMBO helmet shall correspond to international standard clothing sizes for men.

Size US		S		M		L		XL		XXL
Size EU		44-46		46-48		48-50		50-52		52-54

2.4 Chest protector for women

2.4.1 Appearance:



2.4.2 The choice of materials used for the production of soft bandage and their characteristics, determined by the manufacturer. It is necessary to consider the requirements of the FIAS, the main of which are:

The protective part (cup):

- a) elasticity: high;
- b) the dimensional stability: high;
- c) wear resistance: high;
- d) texture: smooth, without rough edges.

The textile part (the top, t-shirt):

- e) air permeability: high;
- f) wear resistance: high;
- g) texture: smooth.

2.4.3 Structural features

Design features of the solid bandage are determined by the manufacturer, but it is necessary to consider the requirements of the FIAS, the main of which are:

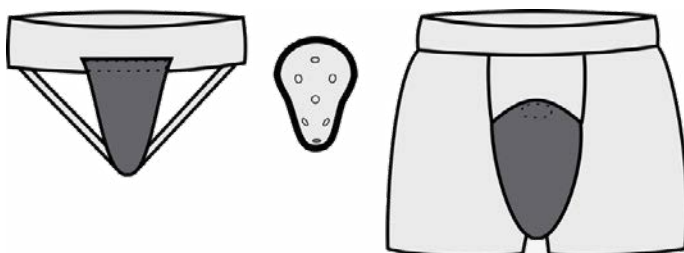
- a) the construction shall be tight, not constraining movements;
- b) the material used for the production of cups, its thickness and elasticity should protect the mammary glands from impact;
- c) the edges of the cup should be smooth, eliminating the possibility of damage, injury;
- d) the construction of the bandage must exclude the presence of solid parts.

2.4.4 Sizes

Size US		S		M		L		XL		XXL
Size EU		44-46		46-48		48-50		50-52		52-54

2.5 Groin protector (hard cup) for men

2.5.1 Appearance:



2.5.2 The choice of materials used for the production of solid bandage and their characteristics, determined by the manufacturer. It is necessary to consider the requirements of the FIAS, the main of which are:

The hard part (cup):

- h) strength: high;
- i) the dimensional stability: high;
- j) wear resistance: high;
- k) texture: smooth.

The textile part (the pocket for the cup, the belt and straps and shorts or pants):

- l) air permeability: high;
- m) wear resistance: high;
- n) texture: smooth.

2.5.3 Structural features

Design features of the solid bandage are determined by the manufacturer, but it is necessary to consider the requirements of the FIAS, the main of which are:

- e) the construction shall be tight, not constraining movements;
- f) if the bandage is made in the form of shorts, the length must be less than the length of the shorts SAMBO;
- g) the edges of the cup should be smooth, eliminating the possibility of damage, injury.

2.5.4 Sizes

Size US		S		M		L		XL		XXL
Size EU		44-46		46-48		48-50		50-52		52-54

2.6 Mouth guard

2.6.1 Appearance:



2.6.2 The choice of materials used for the production of mouth guard and their characteristics, determined by the manufacturer. It is necessary to consider the requirements of the FIAS, the main of which are:

- a) strength: high;
- b) dimensional stability: high;
- c) wear resistance: high.

2.6.3 Structural features

Design features of the mouth guard are determined by the manufacturer, but it is necessary to consider the requirements of the FIAS, the main of which are used in the production of non-toxic materials.

2.6.4 Sizes

Cup SAMBO shall conform to the international standards compliance of the products – junior (for children), senior (adult).

III. REQUIREMENTS FOR POSITION OF LOGOS ON COMBAT SAMBO PROTECTIVE EQUIPMENT

The manufacturer shall place its own logo and conformity mark of FIAS on protective gear for combat SAMBO in strict compliance with the present Provision.

3.1 Requirements for manufacturer's logos

3.1.1 Main requirements for placement of manufacturer's logo on SAMBO helmet are as follows:

- a) manufacturer's logo shall be placed on the middle of the forehead;
- b) logo shall be placed vertically or horizontally;
- c) logo shall fit a rectangle of 80x40mm size.

3.1.2 Main requirements for placement of manufacturer's logo on SAMBO gloves are as follows:

- a) manufacturer's logo shall be placed on the cuff of the glove;
- b) logo shall be placed vertically or horizontally;
- c) logo shall fit a rectangle of 80x40mm size.

3.1.3 Main requirements for placement of manufacturer's logo on SAMBO shin guards are as follows:

- a) manufacturer's logo shall be placed at the top of the shin guards;
- b) logo shall be placed vertically or horizontally;
- c) logo shall fit a rectangle of 20x10mm size.

3.1.4 Main requirements for placement of manufacturer's logo on mouth guard, chest protector for women and groin protector (hard cup) for men, is set by the manufacturer:

3.1.5 The manufacturer's logo must be made of non-toxic materials, in the form of sublimation, transfer printing, screen printing, embroidery or other method of application, have a high wear resistance and no sharp, rough elements that may cause damage.

3.1.6 The principle of manufacturer logo placement on the protective equipment for combat SAMBO is shown in **Annex 4**.

3.2 Requirements for placement of FIAS conformity mark

3.2.1 Main requirements for placement of FIAS conformity mark on protective equipment for combat SAMBO are as follows:

- a) on the helmet conformity mark shall be placed on the strap of occipital fixation systems;
- b) on the gloves conformity mark shall be placed on the cuff;
- c) on the shin guards conformity mark shall be placed on the back surface, in its upper part;
- d) on the chest protector for women conformity mark shall be placed on the back, below the collar line;
- e) on the hard cup for men conformity mark shall be placed on the belt front;
- f) the conformity mark of the FIAS on the mouth guard, not necessarily.

3.2.2 Conformity mark of FIAS should be made of non-toxic materials, in the form of sublimation, transfer printing, screen printing, embroidery or other method of application,

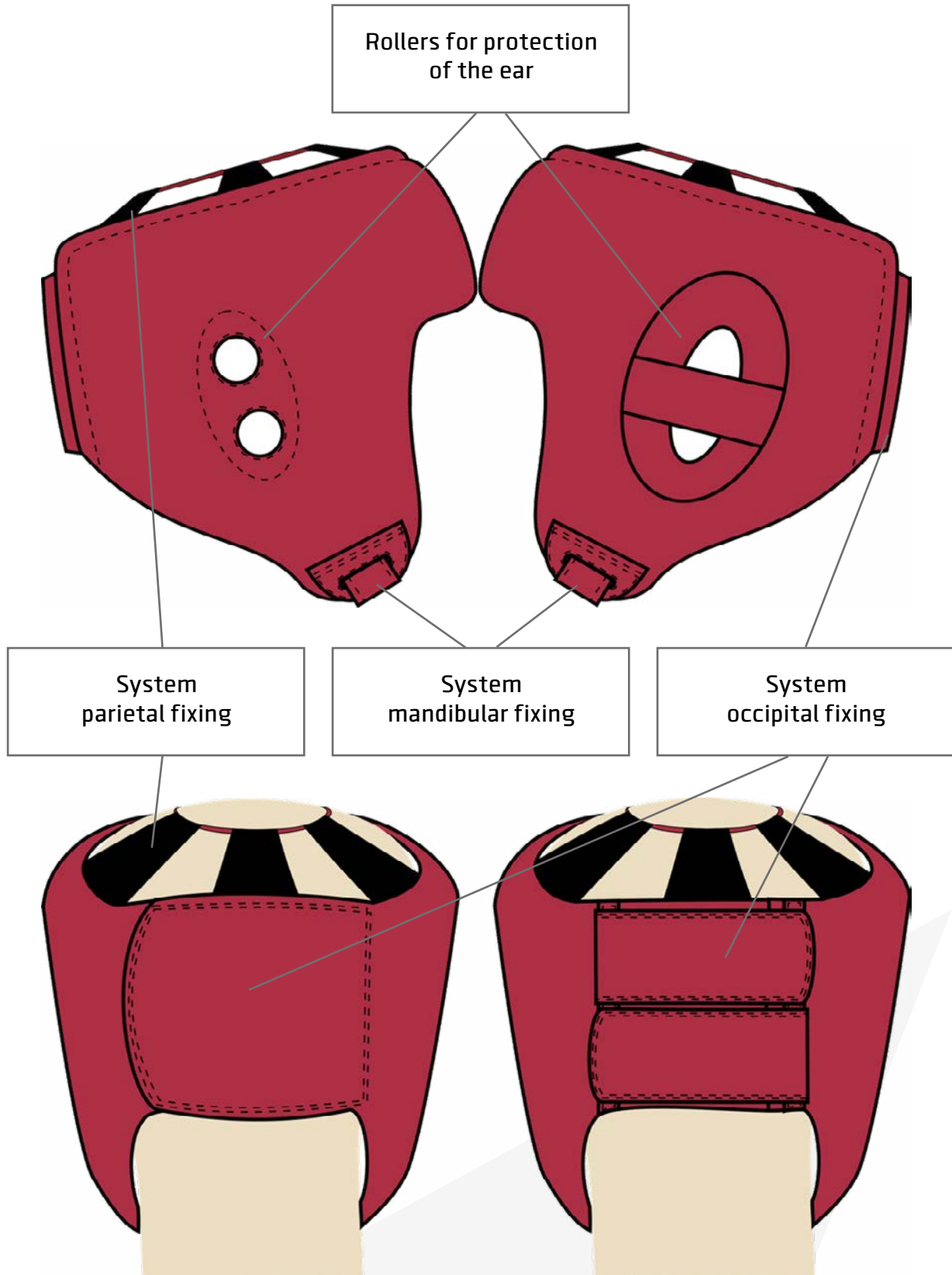


have a high wear resistance and no sharp, rough elements that may cause damage.

3.2.3 The principle of applying conformity mark of FIAS on the protective equipment for combat SAMBO is shown in **Annex 5**.

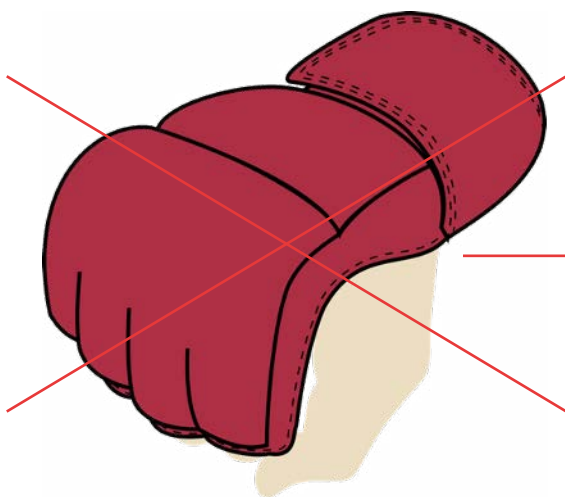
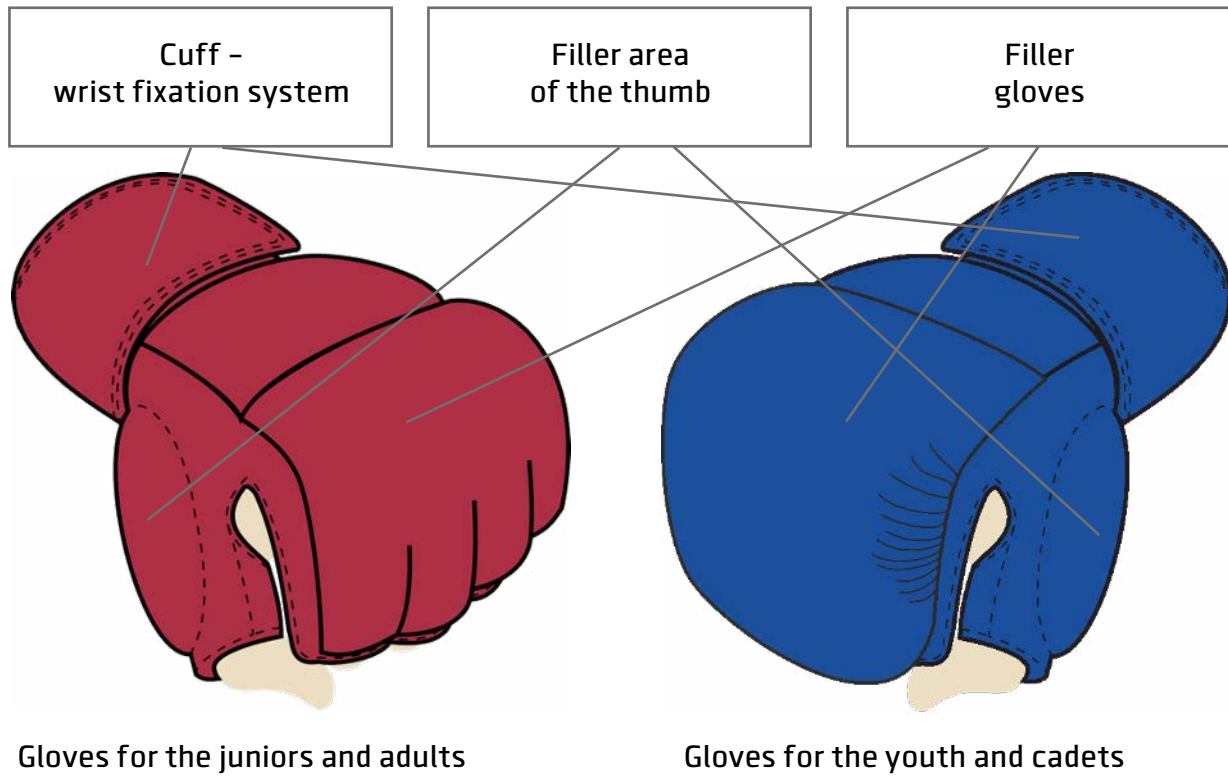
ANNEX 1

Structural features combat SAMBO helmet



ANNEX 2

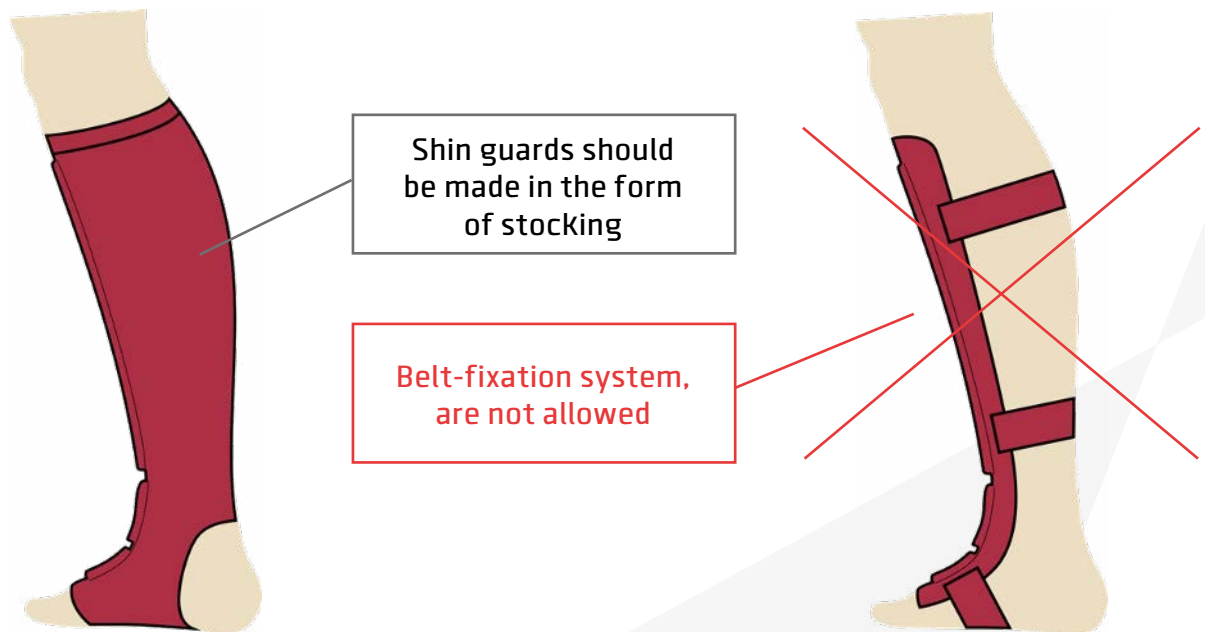
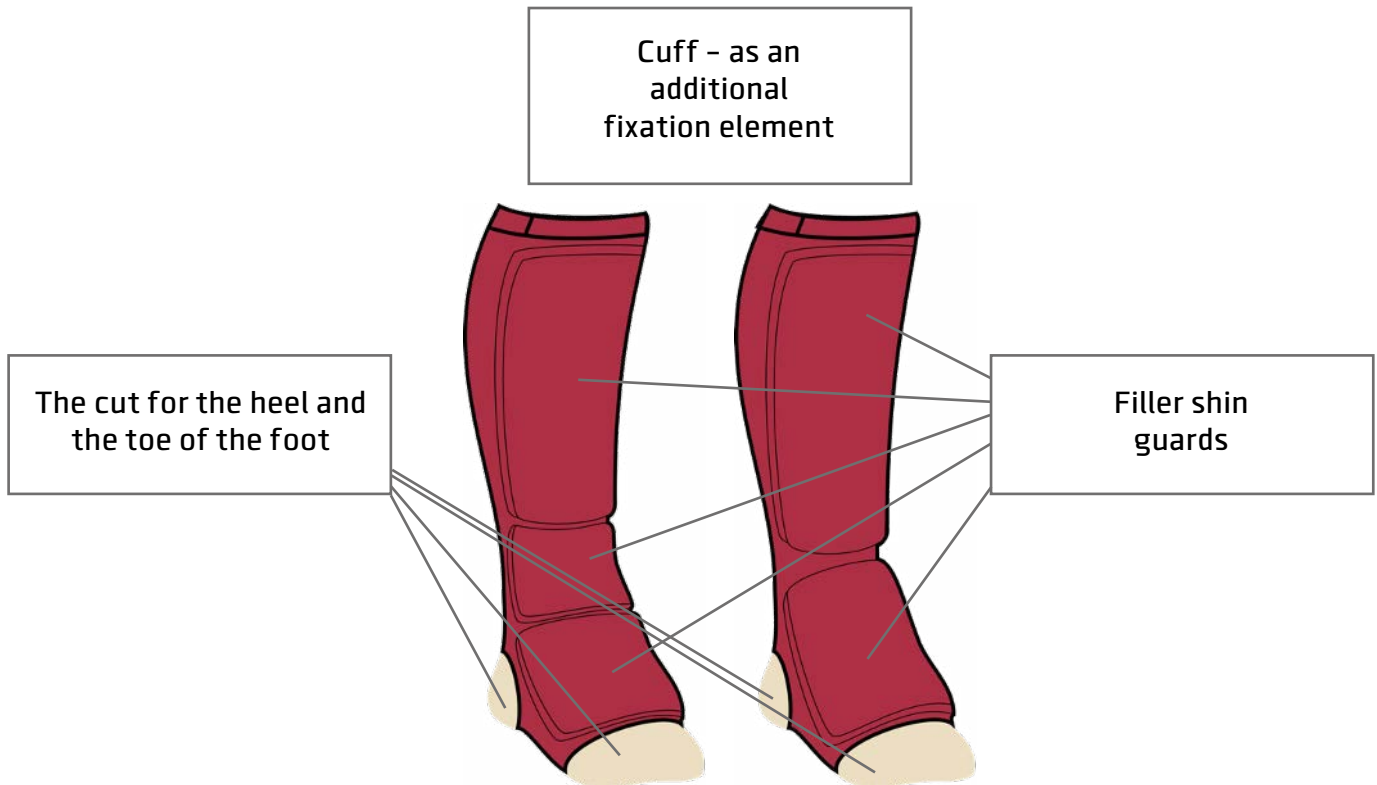
Structural features combat SAMBO gloves



Thumb area must be closed by the finger of the glove and secure the filler

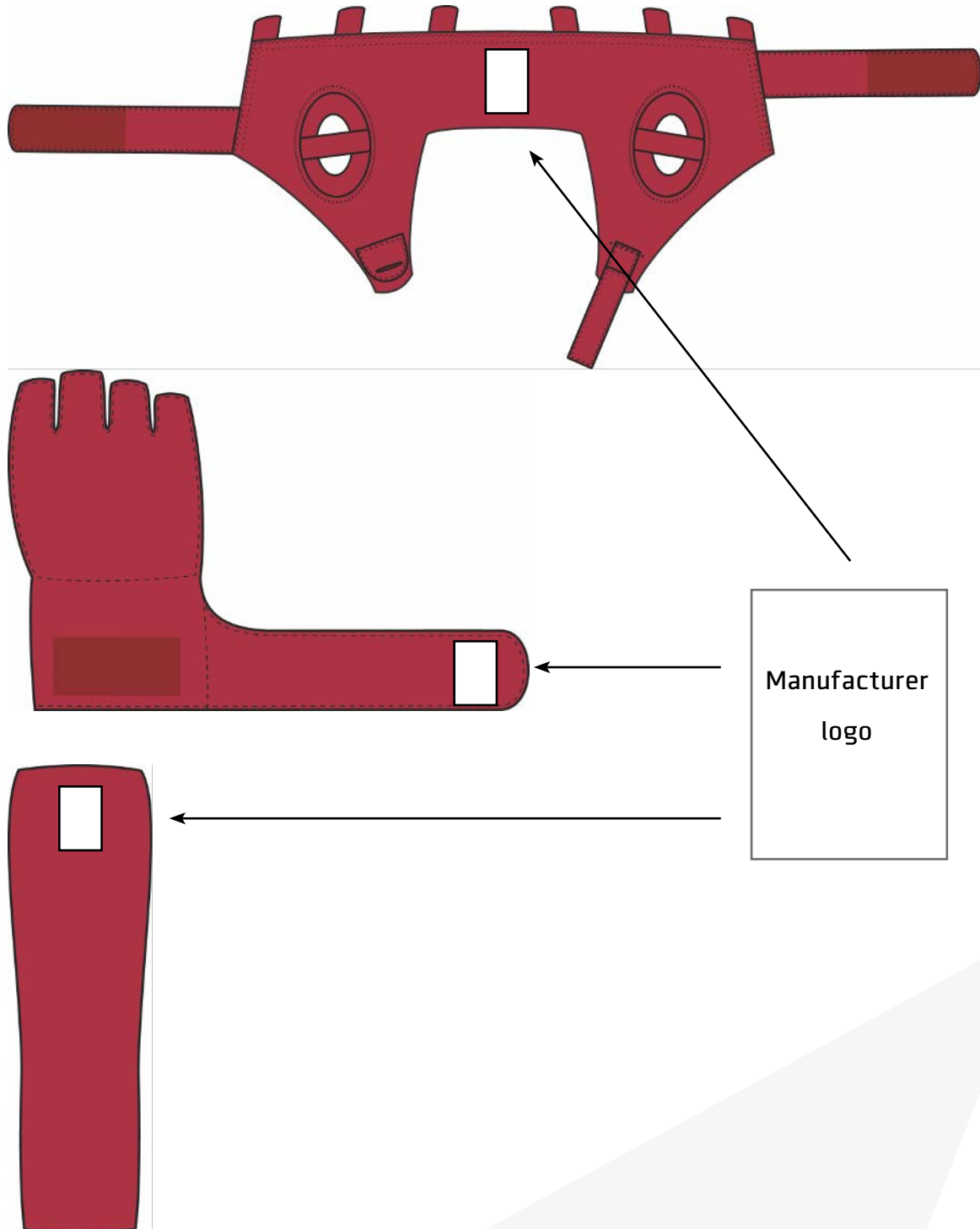
ANNEX 3

Structural features combat SAMBO shin guards



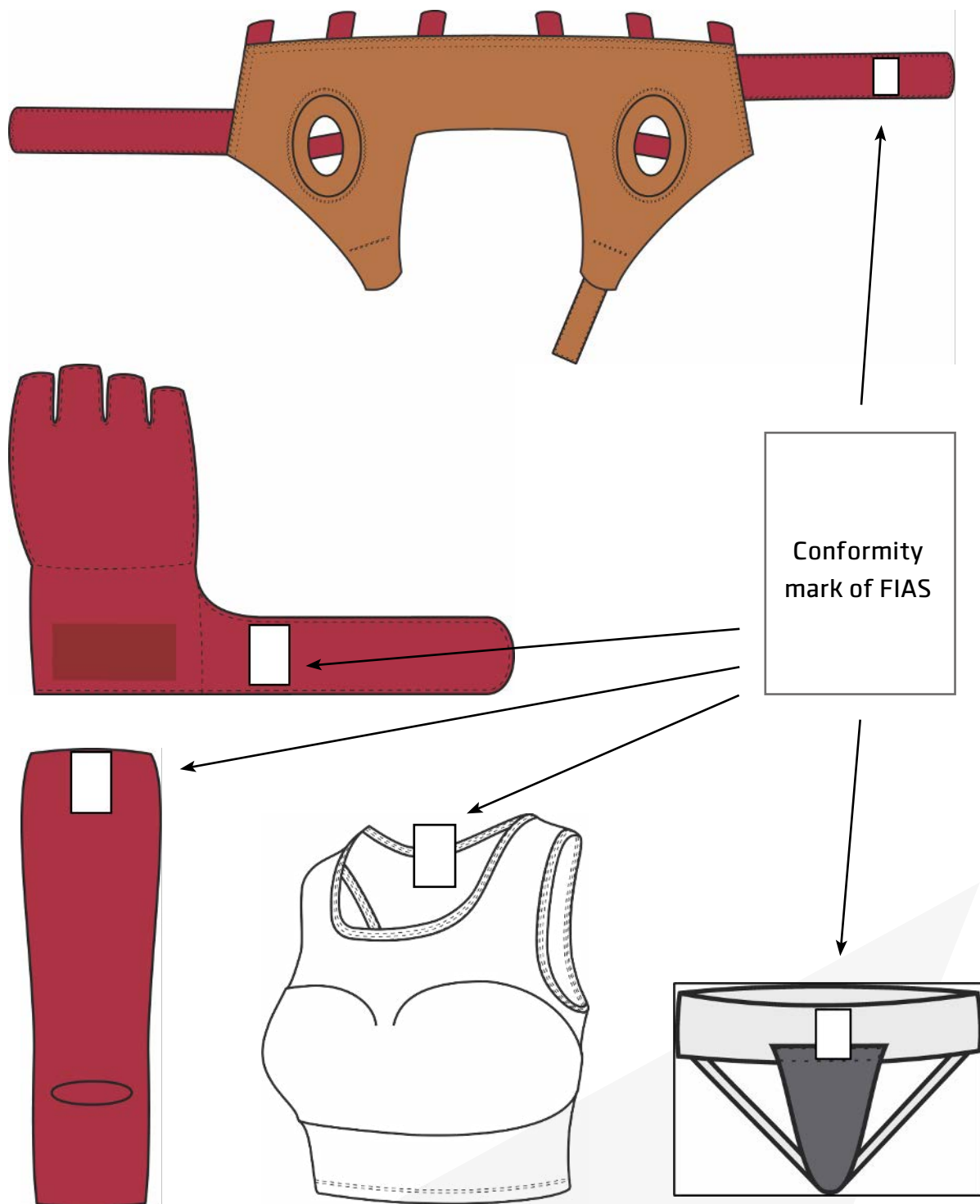
ANNEX 4

The principle of manufacturer logo placement on the protective equipment for combat SAMBO



ANNEX 5

The principle of applying conformity mark of FIAS on the protective equipment for combat SAMBO





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