

FIBA EQUIPMENT & VENUE CENTRE REGULATIONS 2015-2019- Partner BB

A. Introduction

The International Basketball Federation (“FIBA”) is a Swiss association headquartered in Mies, Switzerland. FIBA is the world governing body for the sport of basketball and presently has member federations representing 213 affiliated countries.

The International Basketball Foundation (the “IBF”) is a Swiss foundation headquartered in Mies, Switzerland that was established by FIBA in 2008 to, *inter alia*, promote, support and develop (in cooperation with FIBA) sporting, cultural, educational and social activities for the benefit of basketball and to make available helpful infrastructure to organisations that are active in the field of basketball.

The IBF has established a department named the FIBA Equipment & Venue Centre (the “Centre”), which is engaged in:

- the collection of information on existing and planned basketball facilities in countries with federations that are affiliated to FIBA;
- research in the area of basketball-related equipment and technical materials;
- giving advice regarding the particular needs of the sport of basketball in connection with the construction of new, and the refurbishment of existing, basketball facilities;
- giving advice in connection with financing and public funding for the construction of new, and/or the refurbishing of existing, basketball facilities; and
- providing a forum for the exchange of views and know-how on the construction and/or the refurbishing of basketball facilities and all other basketball-related materials and equipment.

FIBA has an interest in ensuring the quality of basketballs and technical equipment that is used in connection with the playing of basketball. FIBA has, therefore, established a programme (the “Approval Programme”) under which basketballs and certain categories of technical equipment are approved in accordance with specified requirements, standards and procedures and the manufacturers of approved basketballs and/or equipment are appointed as Technical Partners of the FIBA Equipment & Venue Centre (“Partners”, “Centre Affiliates”). The categories of technical equipment which are currently included in the Approval Programme are: backboard support units, wooden floorings, synthetic floorings, electronic scoreboards, 24" devices, seating systems, video systems and miscellaneous products (together, the “Equipment Categories”). Only basketballs and technical equipment that have been approved under the Approval Programme may be used in playing Competitions of FIBA (as defined below).

FIBA has delegated the operation of the Approval Programme to the Centre.

These FIBA Equipment & Venue Centre Regulations 2015-2019 (the “Regulations”) have been established by the IBF and set out the standards, procedures, terms and conditions that apply to the Approval Programme for the period from 1st January 2015 to 31st December 2019 (the “Term”).

B. Centre Affiliates’ Rights

The Centre appoints **affiliated companies – Partners**. These companies are granted the rights outlined below in connection with their appointment

1. Partners’ Rights

All Centre Affiliates (Partners) are granted the following rights:

(a) Qualification for use in Competitions of FIBA

In accordance with article 1-106 of FIBA’s Internal Regulations, the “Competitions of FIBA” shall be played only with FIBA approved technical equipment. For these purposes, the “Competitions of FIBA” include (for so long as they are organised):

- The Olympic Tournaments;
- The World Olympic Qualifying Tournaments for Men and Women;
- The FIBA Basketball World Cup;
- The FIBA World Championship for Women;
- The FIBA U-19 World Championship for Men;
- The FIBA U-19 World Championship for Women;
- The FIBA U-17 World Championship for Men;
- The FIBA U-17 World Championship for Women;
- All championships of FIBA’s continental regions;
- All qualifying games and tournaments for the above championships;
- All other official cups and tournaments of FIBA; and
- The international cups, games and tournaments sanctioned and officially recognised by FIBA and included in the international calendar.

As a result, Centre Affiliates’ products that have been approved under the Approval Programme (“Approved Products”) qualify for use in these Competitions of FIBA. It should be noted, however, that this does not mean that they necessarily will be used in any Competition of FIBA as FIBA and other organisers may select or enter into arrangements to use specific Centre Affiliates’ products.

(b) Logos and Designations

Centre Affiliates are entitled to use the following designations (together, the “Designations”):

- "Officially approved by FIBA"; and
- "Technical Partner of the FIBA Equipment & Venue Centre",

in marketing and promotional materials for its Approved Products (to the exclusion of any other products or services).

In addition, **Centre Affiliates in relation to Approved Products** that are **basketballs** are entitled to use the official "**FIBA Approved**" logo shown in Schedule A and/or such additional or replacement logo(s) as may from time to time be selected and notified by the IBF (the "FIBA Approved Logos") on those **basketballs** that are Approved Products provided that the FIBA Approved Logo on any basketball shall not be more than fifty per cent (50%) of the size of the largest logo or other identification for the Centre Affiliate (e.g. the name of its brand) that is included on that basketball.

(c) *Other Rights*

Centre Affiliates are also entitled to receive from the Centre:

- a document entitled "Certificate of Approval" (or a similar title selected by the Centre) that confirms its appointment as a Partner and the related Approved Products and the competition(s) in relation to which that approval applies; and
- certain information in relation to the competitions of FIBA and its continental regions.

2. Additional Partners' Rights

In addition to the rights listed above, Partners are given the following rights/opportunities:

- the right to use the official **FIBA Equipment & Venue Centre logo** shown in Schedule A and/or such additional or replacement logo(s) as may from time to time be selected and notified by the IBF (the "**Centre Logos**" and, together with the Approved Logos, the "**Logos**"); the FIBA "**We Are Basketball**" logo is **FORBIDDEN to use**.
- the right to be identified as a Technical Partner of the FIBA Equipment & Venue Centre on the Centre's section on the official website of FIBA (currently www.fiba.com) or on any official website of the IBF that may hereafter be created (the "**Centre Website**"); and
- if FIBA or the IBF establishes a "FIBA Village" at the FSB International Trade Fair for Amenity Areas, Sports and Pool Facilities during the Term, the opportunity (at the Partner's own cost) to display and promote its Approved Products (subject to the availability of suitable space and subject to such terms and conditions as may be specified by the Centre).

3. Use of Designations and Logos

Any use of any Designation or Logo must comply with these Regulations and any other guidelines issued by the IBF from time to time.

The right to use the Designations and the Logos are granted solely in respect of a Centre Affiliate's Approved Products. The Centre Affiliate must not use, or permit any third party to use, any Designation or Logo in any way that promotes the Centre Affiliate itself (as opposed to its Approved Products) or any third party or promotes or induces the sale of any product or service other than Approved Products. The Centre Affiliate must inform its distributors, resellers and/or dealers about these restrictions and ensure that they comply with them. For these reasons and brand assurance purposes, each and every use of a Designation or Logo by a Centre Affiliate shall be subject to the prior written approval by the Centre and the Centre Affiliate must not release any materials incorporating any Designation or Logo without having obtained such approval.

C. Centre Affiliate Requirements

Applicants must meet certain requirements in order to be appointed as Partners. These requirements for Partner are described in paragraph C.2 below. However, as Centre Affiliates are appointed in relation to specific products (basketballs or products in the Equipment Categories), a company will only be appointed in connection with the approval of its products under the Approval Programme. Having Approved Products is a pre-condition to an appointment as a Partner. The approval requirements and procedures for basketballs are described in paragraphs D and E.3 below and for products in the Equipment Categories are described in paragraphs D and E.2 below.

1. Partner Requirements

Partners are appointed in relation to specific Approved Products and, therefore, having Approved Products is also a pre-condition of any appointment as a Partner. In addition, in order to be considered for status as a Partner, an applicant in relation to products other than basketballs must have been an Associate for a minimum of two (2) years and must satisfy each of the requirements set out in Paragraph C.1 above at the time of its application for appointment as a Partner (and at all times during the Term). The requirement to have been an Associate for two (2) years does not apply to applicants in relation to Category 1 basketballs who must only satisfy the requirements set out in Paragraph C.1 above in order to be considered for Partner status. Applicants in relation to only Category 2 (and no Category 1) basketballs will not be considered for status as a Partner.

The number of new Partners that may be appointed in relation to Approved Products in any Equipment Category in each year is limited, as follows:

- (a) for the following Equipment Categories: backboard support units, wooden floorings, synthetic flooring, electronic scoreboards, and 24" devices and seating systems: no more than one new Partner per year per category; and

- (b) for the following Equipment Categories: video systems and miscellaneous products: no limitation until there are five Partners in the relevant category and, thereafter, no more than one new Partner per year per category.

There are no annual or aggregate limits on the number of new Partners that may be appointed in relation to Category 1 basketballs.

If there is more than one applicant for Partner status that satisfies the Partner requirements in the same year in relation to an Equipment Category for which the admission of new Partners is limited to (1) one per year, the Centre will select the new Partner based on the relevant criteria.

In such circumstances, the selected applicant must sign and deliver its new Partnership Agreement (as defined below) as well as pay the initial instalment of the License Fee within 30 days following receipt of notice of its selection. Failure to do so may result in the forfeiture of the appointment and/or the appointment of another applicant.

If a Partner's appointment is terminated at any point during the Term, then the Centre may, in its discretion, designate a replacement Partner from amongst previous applicants, welcome new applications for a replacement Partner or wait until the following year to appoint a replacement in accordance with its standard procedures.

D. Basketball and Equipment Requirements

In order to be approved under the Approval Programme, basketballs and products in the Equipment Categories must meet the requirements of FIBA's official basketball rules relating to basketball equipment that are in force at the time of their testing (as of 1 October 2014, the Official Basketball Rules 2014 – Basketball Equipment that were approved by the FIBA Central Board on 2 February 2014) (the “**Equipment Rules**”).

http://www.fiba.com/downloads/Rules/2014/Official_Basketball_Rules_2014_Y.pdf

E. Application Procedures

The Centre will consider applications for appointment as Partners and Associates in accordance with timings and deadlines to be determined by the Centre and communicated to interested parties upon request. Generally applications for appointment as Partners will only be considered once per year.

Applications involve two (2) parallel procedures. First, an applicant must establish to the Centre that it meets all of the relevant requirements in relation to itself (as described in Paragraphs C.1 and C.2 above). Second, an applicant must satisfy an independent testing institute appointed or approved by the Centre that the products in relation to which it wishes to be appointed satisfy the Equipment Rules. However, where an applicant for appointment as a Partner is already an Associate, it generally will not have to complete the second procedure as relevant products will already be Approved Products provided that the products were last tested not more than four (4) years before.

1. Centre Affiliates Procedure

Applicants must submit the following materials in order to establish satisfy the Centre that it meets all of the requirements in order to become a Partner or Associate,:

- a fully completed, signed and certified **questionnaire** (sent separately when applying for approval);
- copies of all supporting materials requested in the Questionnaire; and
- if the applicant is applying to be an Associate or Partner in relation to basketballs, one (1) sample of each basketball that is had submitted to the relevant testing institute for approval.

Such materials should be submitted to the following address:

FIBA Equipment & Venue Centre
International Basketball Foundation (IBF)
c/o Fédération Internationale de Basketball (FIBA)
Route Suisse 5
1295 Mies
Switzerland
Tél: +41 22 545 00 00
Fax: +41 22 545 00 99
Email: equipmentandvenue@fiba.com

The Centre also reserves the right to inspect (either itself or through a third party) any applicant's manufacturing facilities and applicants should provide full access and reasonable assistance in connection with any such inspection.

2. Approved Product Procedures – Equipment Categories

In order to be approved under the Approval Programme, products in the Equipment Categories must meet the relevant requirements of the Equipment Rules. Applicants must submit their products to an independent international testing institute that has been approved by the Centre and such testing institute must provide written confirmation that the relevant products meet the requirements. Prior to submitting a product to any testing institute, an applicant should seek FIBA's confirmation that such institute has been approved. Testing institutes are responsible for establishing their own tests for ensuring the relevant products meet the requirements of the Equipment Rules.

Applicants are responsible for and shall pay all fees, costs and expenses involved in connection with the testing of any products in the Equipment Categories directly to the relevant third party.

3. Approved Product Procedures – Basketballs

In order to be approved under the Approval Programme, basketballs must meet the requirements of the Equipment Rules. The Centre and TÜV Product Service GmbH ("TPS") (one of the most experienced and reputable test institutes in Europe) worked together to develop a set of tests to which all applicants' basketballs are subjected to ensure that such requirements

are met. The current tests are described in greater detail in Schedule D although the Centre may modify these tests or develop additional ones from time to time during the Term.

The Centre has also appointed TPS to administer these tests for all applicants' basketballs. Therefore applicants must submit samples of their basketballs to TPS for testing in the quantities indicated in the following table:

Ball Size	Number of Samples	
	Category 1	Category 2
7A	8	n/a
7B	n/a	5
6A	6	n/a
6B	n/a	4
5A	6	n/a
5B	n/a	4

by sending them to TPS at the following address:

TÜV Product Service GmbH
Daimlerstrasse 11
85748 Garching
Germany
Attention: Mr. Matthias Voelz
Tel: +49 89 361965-483
Fax: +49 89 361965-799

Applicants shall pay the Centre a fee in relation to each basketball that it submits for testing in the following amounts (plus any VAT or similar taxes):

Basketball Type & Size	Fee
Category 1 7A	CHF 3,000
Category 1 6A	CHF 2,500
Category 1 5A	CHF 2,000
Category 2 7B	CHF 2,000
Category 2 6B	CHF 1,700
Category 2 5B	CHF 1,700

Testing can be time-consuming and will require a minimum of six (6) weeks. Applicants will be informed of the results of TPS's testing and, if the testing for any basketball has been unsuccessful, the test(s) that have not been satisfied. An applicant may then submit the relevant basketball for re-testing and will be required to submit additional samples in such quantities as are specified by the Centre and to pay an additional fee to the Centre in the following amounts (plus any VAT or similar taxes):

Basketball Type & Size	Fee
Category 1 7A	CHF 1,700
Category 1 6A	CHF 1,300
Category 1 5A	CHF 1,000

Category 2 7B	CHF 1,100
Category 2 6B	CHF 900
Category 2 5B	CHF 900

As mainly failed parameters are re-tested, the Centre may vary the amount of such fees to reflect the amount of re-testing that is required.

All costs and expenses involved in the submission of sample basketballs to TPS for testing or re-testing (see paragraphs E.4 and E.5 below) (including shipping, duties, taxes and customs) are the responsibility of, and must be paid by, the applicant.

4. Duration of Approvals & Testing Results

Approved Product's approvals and the related testing results generally remain valid for four (4) years provided that the Approved Products are not modified in any way. Approved Products must be resubmitted for testing in accordance with Paragraphs E.2 and E.3 (as applicable) in the calendar year in which the testing results and approvals expire although the Centre retains the right (in its discretion) to require re-testing of any Centre Affiliate's Approved Products at any time during the Term. If the Approved Products do not pass any such testing, then the Centre may withdraw its approval thereof and require the Centre Affiliate to immediately cease exercising any rights under the Partnership Agreement (as defined below) in relation thereto.

5. Modifications to Approved Products

Centre Affiliates must ensure that each Approved Product that it makes during the Term is identical to the relevant samples that were submitted, tested and approved. If any modification is made to any Approved Product or the Associate moves the production thereof to a different manufacturing facility, then the Associate must re-submit the Approved Product for full re-testing in accordance with Paragraphs E.2 or E.3 (as applicable).

However, in the case of any Approved Product that is a basketball, if only a minor modification is made (e.g. a change to the model name) or if the Centre Affiliate has moved the production thereof to a different manufacturing facility, then the Centre may, upon request of the Centre Affiliate, waive this requirement or reduce the amount of re-testing that is required. If a Centre Affiliate wishes to make such a request, it shall send the Centre:

- one (1) sample of each modified basketball;
- a precise written explanation of the changes that have been made; and/or
- provide full details of any new manufacturing facility.

After consultation with TPS, the Centre will advise the Centre Affiliate whether it will require a full re-test and/or a new Partnership Agreement or whether no, or reduced, re-testing and/or no new Partnership Agreement will be required. If no re-testing is required the Centre Affiliate must in any event pay the Centre an administration fee of CHF 600. If reduced re-testing is required, then the testing fee may also be reduced.

6. Renewals of Approvals and Status

If a company is a Partner or Associate in good standing as of 31st December 2014, then the Centre will not generally require it to comply with the procedures set out in Paragraphs E.1, E.2 and E.3 in order to be reappointed in relation to the Term unless any of its Approved Product's approvals has expired or any of its Approved Products has been modified, in which case the company will be required to re-submit the relevant products for testing as described in Paragraphs E.4 and E.5. However, the Centre may (in its discretion) require a Partner or Associate to comply with some or all of such procedures.

F. Appointment and Obligations

1. Partnership Agreement

If the Centre is satisfied that an applicant satisfies the Associate requirements or, in relation to an initial application in relation to basketballs, the Partner requirements and the applicable testing institute has confirmed to the Centre that the applicant's products satisfy the Equipment Rules or an Associate has applied and been selected by the Centre to become a Partner, then the Centre will send two (2) copies of a partnership agreement in its standard form for Partners or Associates (as applicable) (a "Partnership Agreement") to the applicant for its signature as well as an invoice for the first instalment of the License Fee (see paragraph F.2 below). Once the Centre has received two (2) signed copies of the Partnership Agreement and the first instalment, it shall send to the applicant/Associate:

- one (1) fully signed copy of the Partnership Agreement for its records; and
- the Centre Affiliate's "Certificate of Approval", and
- the Partner shall be entitled to exercise its rights as a Partner in accordance with the terms of the Partnership Agreement.

Each Partnership Agreement will set out the rights and obligations of the Centre and the relevant Centre Affiliate. Amongst other obligations, the Partnership Agreement will require the Centre Affiliate to maintain comprehensive general liability insurance that includes product liability insurance in relation to all its Approved Products throughout the period during which it is a Centre Affiliate and for three (3) years thereafter. Such insurance must be concluded with a well-respected, reputable and financially sound insurance company that is satisfactory to the Centre and must:

- be worldwide in scope;
- insure an amount of not less than CHF 3,000,000 in relation to general and product liability and of not less than CHF 3,000,000 in relation to professional liability
- have an extended reporting period of at least 5 years;
- require the insurer to provide at least thirty (30) days' prior notice to the Centre of any cancellation (or threat thereof), intent not to renew or any material change in coverage; and
- be otherwise on terms that are acceptable to the Centre.

Each Partnership Agreement is effective, and the rights thereunder may be exercised, until the end of the Term (31st December 2019) unless earlier terminated by the Centre in the case of a breach by the Centre Affiliate, an insolvency, bankruptcy, voluntary liquidation (or any similar proceedings) of the Centre Affiliate, if the Centre Affiliate no longer has any Approved Product, if the Centre Affiliate ceases to satisfy any of the applicable requirements or otherwise in accordance with its terms.

In the case of any conflict between the provisions of a Partnership Agreement and these Regulations, the Partnership Agreement shall prevail.

2. License Fees

In consideration for the rights granted by the Centre, each Centre Affiliate shall pay the Centre an annual license fee (the "License Fee"). The License Fee per Approved Product that is a basketball are set out in the following table (plus any VAT or similar taxes):

Product	Annual Fee (CHF)	
	Partner	Associate
Basketballs		
Category 1 7A	14,200	N/A
Category 1 6A	9,700	N/A
Category 1 5A	6,700	N/A
Category 2 7B	8,700	8,700
Category 2 6B	5,700	5,700
Category 2 5B	5,200	5,200

The License Fees in relation to Approved Products falling within the Equipment Categories are available from the Centre upon request.

3. Identical Balls

A separate test and licence may not be required (unless there are colour changes) but a separate reference must be delivered for a ball which is identical in construction and material with a ball already approved, but marketed under a different name or label within the same company.

In each such case, the applicant must:

- submit to the FIBA Equipment & Venue Centre one sample of the identical ball for random testing (or more if there are colour changes) so as to identify with the ball for which approval has been granted
- Pay a one-time additional administration fee of CHF 600 VAT

4. On-going Testing

The Centre may at any time submit Approved Products purchased on the market to testing in order to determine whether they meet the requirements of the Equipment Rules. If any Approved Product does not pass the testing, the Centre may withdraw its approval of that product and require the relevant Centre Affiliate to immediately cease exercising any rights under the Partnership Agreement in relation thereto.

G. Advisory Board

The Centre will establish a working group composed of one representative from each category (Equipment Categories and basketballs) to serve as a consultative body for the Centre in relation to the Approval Programme (the “Advisory Board”) and to provide industry perspective on the operation thereof. The Advisory Board will convene once a year or as otherwise requested by the Centre. Members of the Advisory Board may be nominated by the Centre or Partners from the same category and selected by the Centre itself.

H. Miscellaneous

These Regulations shall be governed by and interpreted exclusively in accordance with the laws of Switzerland.

Schedule A
Logos

FIBA Equipment & Venue Centre logo



Process Color CMYK PRIMARY REFERENCE	C=40 M=0 Y=0 K=100	C=0 M=0 Y=0 K=50	C=0 M=50 Y=100 K=0	C=0 M=100 Y=100 K=0	C=100 M=50 Y=0 K=0	C=100 M=0 Y=100 K=0	C=0 M=68 Y=100 K=0
	483 C	424 C	137 C	192 C	3005 C	355 C	1865 C
PMS (Pantone Matching System)							

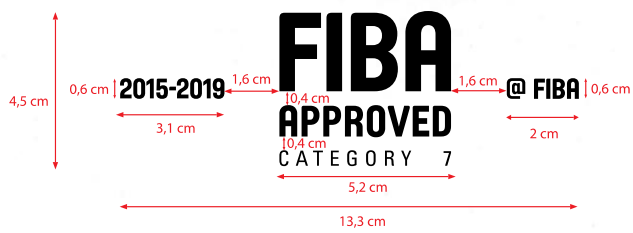
FIBA Approved Logo

Size 7

version 9.4



SIZES



Size 6

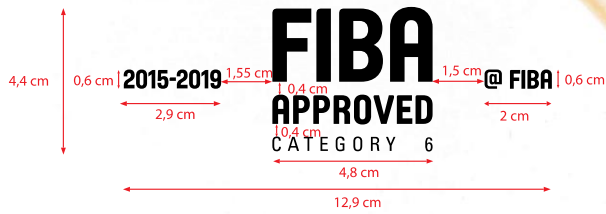
version 9.5
category 6

2015-2019

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CATEGORY 6

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SIZES

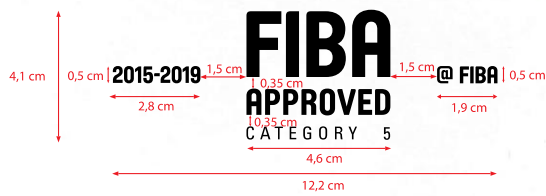


Size 5

version 9.5
category 5

2015-2019 **FIBA** @ FIBA
APPROVED
CATEGORY 5

SIZES



Schedule B
Official Basketball Rules 2014 – Basketball Equipment

http://www.fiba.com/downloads/Rules/2014/Official_Basketball_Rules_2014_Y.pdf

To be downloaded on our website.

Schedule D
Approval Programme – Basketball Tests

1 Purpose

The test programme is designed to establish requirements and repeatable tests for the qualifying of basketballs in two categories, namely Category 7A, 6A and 5A(Category 1), and Category 7B, 6B and 5B (Category 2). The requirements for the two categories vary in kind and number of the tests.

2 Field of Application of Test Rules

This test programme is valid for all basketballs for which FIBA approval is requested. The tests are based on the Equipment Rules.

3 Conditions of the Test

The test will be performed as a type test at standard atmosphere (Atmospheric temperature 23°C, relative air humidity 50%, atmospheric pressure 860 to 1060 millibar). All measuring devices must be capable of measuring with a tolerance of no more than +/-2%.

4 Test Samples

The test will be performed:

- with 8 basketballs for the FIBA Category 7A
- with 6 basketballs for the FIBA Category 6A
- with 6 basketballs for the FIBA Category 5A
- with 5 basketballs for the FIBA Category 7B
- with 4 basketballs for the FIBA Category 6B
- with 4 basketballs for the FIBA Category 5B

Ball material requirement:

The material of a **Category 1, 7A,** basketball shall be genuine leather or artificial/synthetic leather or composite leather with the same or better performance than leather.

5 Rebound Height and Reflection of the Basketball, respectively

The internal pressure of the balls will be increased until the rebound height from a drop height of 1800 mm is at least 1300 mm(+/-100mm) (reference pressure).

The test is performed on a plane surface with a mass of more than 1 ton. The rebound height has to be measured with appropriate testing equipment and has to be registered.

6 Ball Geometry (Size 7)

Circumference and geometrical accuracy of all testing samples are measured at reference pressure. Circumference shall be not less than 749 mm and not more than 780 mm.

Ball Geometry (Size 6)

Circumference and geometrical accuracy of all testing samples are measured at reference pressure. Circumference shall be not less than 724 mm and not more than 737 mm.

Ball Geometry (Size 5)

Circumference and geometrical accuracy of all testing samples are measured at reference pressure. Circumference shall be not less than 690 mm and not more than 710 mm.

7 Weight of the Basketball (Size 7)

The mass of the ball that is ready for play will be determined in all test samples. It must be between 567 g and 650 g.

Weight of the Basketball (Size 6)

The mass of the ball that is ready for play will be determined in all test samples. It must be between 510 g and 567 g.

Weight of the Basketball (Size 5)

The mass of the ball that is ready for play will be determined in all test samples. It must be between 470 g and 500 g.

8 Fatigue Strength

The test is performed with a ball-shooting machine with one ball. At the beginning of the fatigue test, the ball has to be inflated to reference pressure. It must not be re-inflated either during or after the fatigue test. The ball that is used for the test will be bounced 20,000 times. The energy of each bounce must correspond to a free fall from a height of 1800 mm. After the fatigue test, the tests in accordance with Par. 5 and 6 will be repeated. A leak test has to be carried out before and after the fatigue test.

9 Surface material requirement

The surface of the basketball shall be free of toxic materials and materials which may cause an allergic reaction. The manufacturer of the balls must provide a list of the used materials and colours. The balls must be free of soluble heavy metals

(EN 71-3), AZO colours; Phthalate and PAH. This requirement has to be met for both Category 1 and Category 2 basketballs.

10 Heat-storage test

This test is only performed on Category 1 (7A , 6A and 5A) basketballs.

Two balls at reference pressure will be stored for 7 days at a temperature of 70°C.

Afterwards there must be no noticeable exterior change, defect of the valve or the seams. Afterwards the ball geometry will be measured again at reference pressure (Par. 6 above).

11 Valve test (leak test)

Before and after the heat-storage test according to Par. 10, a dry needle for inflating will be inserted into the valve 100 times. After this procedure, leakage should not occur.

12 Practice Test (Grip requirement)

The basketball surface shall provide a proper grip over the entire ball (pole of the ball, brand name and all other areas). The grip shall be tested with the following test apparatus with 5 test persons.

Place the ball in different positions on the flat of the test person's hand. The hand of the test person shall be supported by a table. Pull the fixed ball, loaded with 50N at a constant speed of 80-100 mm/s in a finger direction from the hand and measure the force. The test must be performed 3 times on 3 different positions of the ball. Calculate the average value. Proceed in the same manner with each test person. Calculate the average friction factor based on the average values of the 5 test persons. The final friction factor must be a minimum of 04. As an alternative to the lab test, a test game is possible.

13 Quality Assurance

The manufacturer has to deliver the declaration required by FIBA referring to constant production quality and has to confirm that the balls presented for testing have been taken from a serial production.

14 Control Test

Each year, during the Term, two samples from the series may be submitted for a simplified control test according to Par. 5 to Par. 7 of the testing programme.

15 **Marking**

Each ball has to be marked with the name or logo of the manufacturer as well as with the indication of the type. Moreover, balls endorsed with the FIBA Category 1 must be marked with a serial number.

16 **Certification**

After having passed the test, FIBA extends for each tested ball-type a certificate, which contains the following specifications (see also page 2):

Category 7A , 6A and 5A (1) or 7B, 6B and 5B (2)

Type of Basketball (Model)

Material of the Basketball

Serial Number (only Category 1; 7A, 6A and 5A)

Term