

HEADQUARTERS
PHILIPPINE ARMY
OFFICE OF THE ARMY QUARTERMASTER
Fort Andres Bonifacio, Makati City

PA SPECIFICATION

QM SPEC NR IC-21SCCB

NOV 20 2017

(Interim)

SHORT, CYCLING (COMPRESSION), BLACK

1. SCOPE:

1.1 Scope – This specification covers Short, Cycling Compression, Black (for brevity, Cycling Short) for use of Military Personnel of the Philippine Army as compression short.

1.2 Grade – The finished Short, Cycling (Compression), Black shall conform to the quality and grade of product prescribe by this specification.

1.3 Size – sizes and measurements of the finished Cycling Short are shown in the Table I of this specification.

2. REQUIREMENTS:

2.1 First Article – Three (3) samples of the finished Cycling Short submitted shall be subjected to first article inspection in accordance with para 3.1

2.2 Materials:

2.2.1 Basic Material – The basic material shall be made of Nylon or Polyester and Spandex, black in color, and shall conform to the following requirements.

Fiber Analysis

Nylon/Polyester, -	-	-	-	- 85 - 88 %
Spandex, -	-	-	-	- 12 - 15 %

Bursting Strength, kg/cm² - - - - 12.0 (minimum)

Fabric count

Wales	-	-	-	- 20 (minimum)
Weft	-	-	-	- 27 (minimum)

Thickness, mm - - - - - 0.60 – 0.80

Weight, g/m² - - - - - 260 (max)

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2.3 Construction:

2.3.1 The Cycling Short shall be of the design essentially similar shown in the attached illustration.

2.3.2 Waistband – The waistband shall be 3.0 ± 1.0 cm wide, provided with elastic band. The waistband shall be flat and smooth (not wrinkled) sewn with double rows of stitching.

2.3.3 Buttock and Groin Padding – The Cycling Short shall have padding in the buttock and groin. The padding shall be made of three (3) same basic materials.

2.3.4 Joint Crotch Seam – The Cycling Short shall be joined in the crotch, stitched together using a Flatlock Stitch. It shall be stitched from the waistband to the crotch as illustrated.

2.3.5 Hem, Bottom – The bottom hem of the Cycling Short shall be turned-up with raw edge turned under with double rows of stitching and the hem shall measure 2.0 ± 0.5 cm.

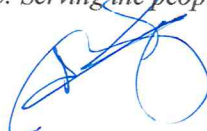
2.3.6 Thread – The thread to be used for all stitching and sewing operations shall be polyester of the same color and shade of the fabric, and with a minimum breaking strength of 1.0 kg.

2.3.7 PA LOGO – PA Logo shall be printed on the front left thigh part of the Cycling Short using rubberized paint or by heat transfer process. The diameter of the logo shall be 3.5 ± 0.5 cm and the rest of the details are proportionate and identifiable. The Logo shall be placed 4.0 ± 1.0 cm from the bottom edge of the Cycling Short as illustrated. The color shall be similar on the attached illustration.

2.4 Workmanship:

2.4.1 Finish – The Cycling Short shall be clean, well finished, well pressed and free from any defect or blemish which may affect its appearance or serviceability. Overall workmanship shall be the best known to the trade. Poor quality of sewing or workmanship shall be sufficient ground for rejection of the finished article.

2.4.2 Contractor's Label – The contractor's label shall be printed on a piece of cloth with indelible ink/paint or by heat transfer using Arial font, size 10 sewed in the inside center back portion just below the waistband.



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2.4.3 Contents of Label – the Contractor’s label shall consist of the following:

SHORT, CYCLING (COMPRESSION), BLACK
QM SPEC NR: IC – 21SCCB
Name of Contractor:
Size:

3. VERIFICATION:

3.1 First Article Inspection – The three (3) pieces samples of the finished Cycling Short shall be subjected to first article inspection. The samples shall be subjected to tests and examination to verify if the requirements in para 2.2 to 2.4 are satisfied.

3.2 Sampling

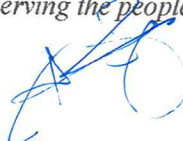
3.2.1 Sample of materials, components and other items entering into the manufacturer of the Cycling Short shall be taken at random during In-process inspection as specified in the contract for purposes of examination and test to determine compliance with the requirement of this specification.

3.2.2 Final Inspection of the finished brief shall be conducted either at point of production or at point of delivery. Random sampling shall be conducted during final acceptance in accordance to MIL STD 105E.

4. QUALITY ASSURANCE PROVISION

4.1 Responsibility for Inspection – The contractor is responsible for the performance of all inspection requirement specified in the contract. The contractor may use his own or other facilities suitable for the performance of the inspection and testing requirement, unless disapproved by the government. The government serves the right to perform any of the inspections set forth in the contract which are deemed necessary to ensure that supplies and services conform to the prescribed requirement.

4.2 Responsibility for Compliance – All items must meet all requirement of Sections 2 and 3. The inspection set forth in this specification shall become part of the contractors overall inspection system or quality program. The absence of any inspection requirement in the specification shall not relieve the contractor of the responsibility of assuring that all the products or supplies submitted to the government for acceptance comply with all the requirement of the contract. Sampling in the quality conformance does not authorize submission of known defective material.



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5. PACKAGING AND PACKING

5.1 Packaging – Each Cycling Short shall be properly labeled and placed in a transparent plastic bag. The open end of the plastic bag shall be secured with transparent tape or zip lock closure.

5.2 Packing – Five (5) pieces of Cycling Short with package (as describe in 5.1) of the same size shall be tied to a bundle. Fifty (50) bundles or two hundred (250) pieces of Cycling Short shall be packed in a brand new corrugated carton. The top cover, when closed, shall be sealed with binding tape and finally secured with nylon straps. The box shall be labeled as follows:

SHORT, CYCLING (COMPRESSION), BLACK

(Name of contractor)

QTY: 250 pieces

Size:

Lot No: (Batch nr of production/project number; e.g 01PA6917)

6. MISCELLANEOUS

6.1 Any point not covered by this text shall be governed by the attached illustration that shall be followed in every detail.

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Chief



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TABLE FINISHED SIZES AND MEASUREMENT
 (Measurement in Centimeter)

TABLE 1

CODE	PART	SMALL	MEDIUM	LARGE	XLARGE	XXLARGE	TOLERANCE
	Waistline (unstretched)	25	27	29	31	33	± 3.0
	Waistline (stretched)	46	48	50	52	54	Minimum
AB	Length of out seam	36	38	40	42	44	+ 2.0
BC	Perpendicular Rise (waistband to crotch)	22	23	23.5	25	26	± 1.5
CD	Length of inseam	15	16	16.5	17	18	± 1.0
DE	Bottom width	20	21	22	23	24	± 2.0
EF	Circular Padding (measured from upper edge to crotch)	10	10.5	11	11.5	12	± 1.0
FG	Print placement	4	4	4	4	4	± 1.0

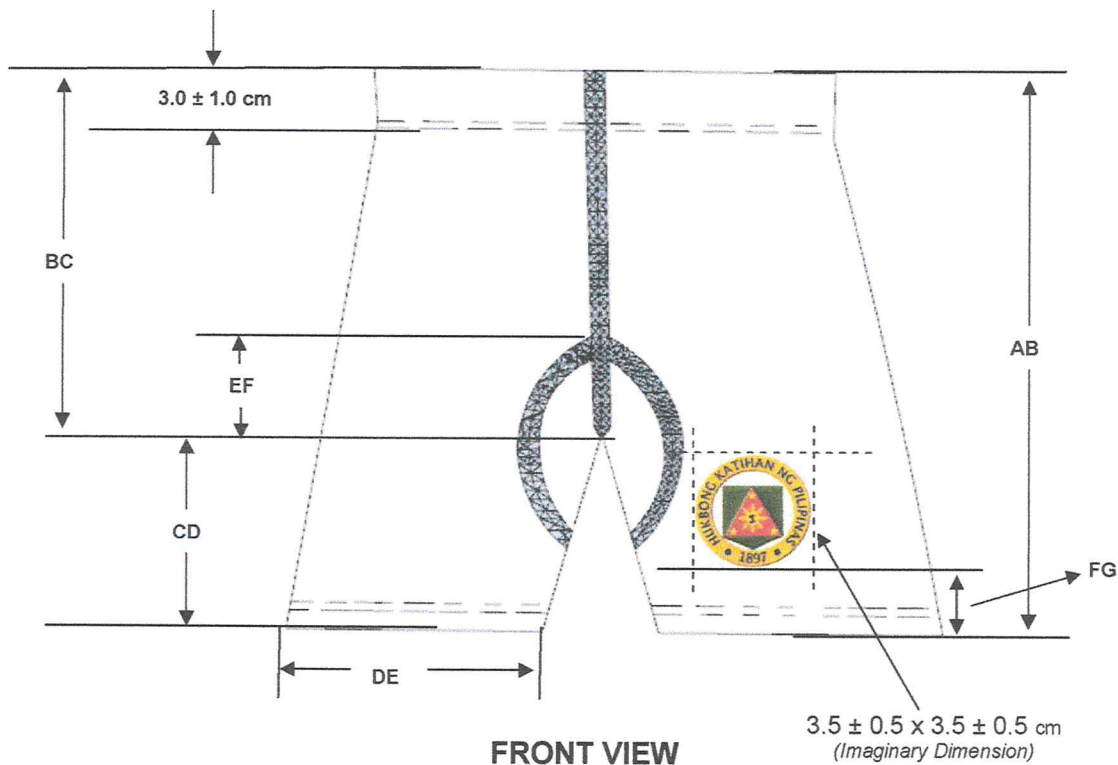
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PA LOGO

Φ 3.5 ± 0.5 CM



Detail of Philippine Army Logo

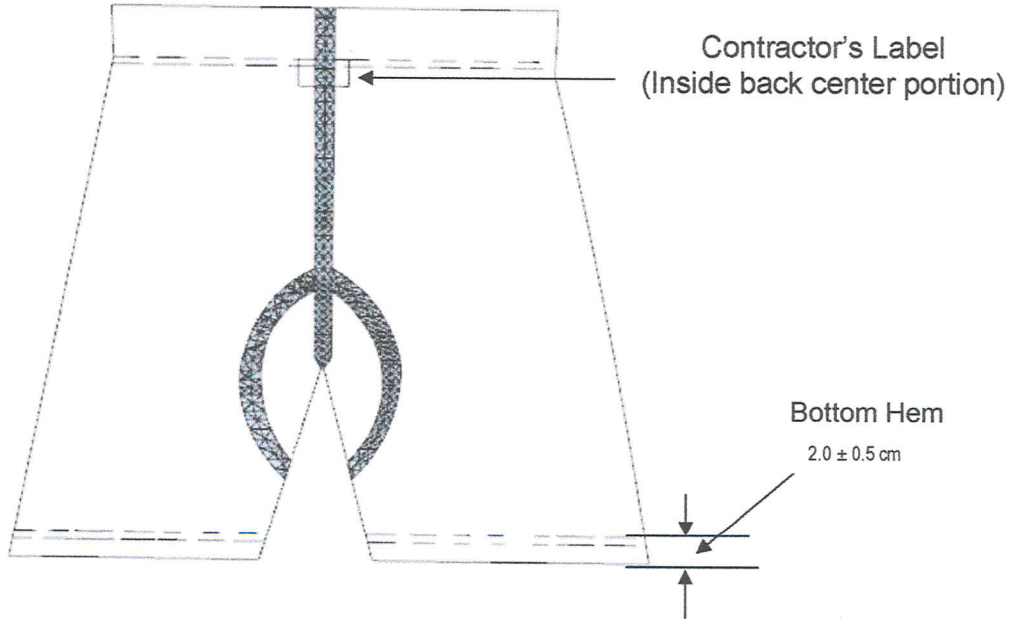
(Note: Other details of the PA Logo shall be proportionate with the overall diameter)

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(Interim)



BACK VIEW

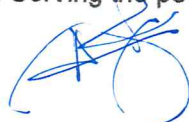
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Fort Andres Bonifacio, Metro Manila**

DEC 11 2017


TEST PARAMETERS

SHORT, CYCLING (COMPRESSION), BLACK

TEST PARAMETERS	QM SPEC NR IC-21SCCB dtd 20 November 2017	CLASSIFICATION OF DEFECTS	
		Major	Minor
Measurements, cm	Size:		
Waistline	Refer to table 1		
Waistline (un-stretched)		X	
Waistline (stretched)		X	
Length of out seam		X	
Perpendicular Rise (waistband to crotch)		X	
Length of inseam			X
Bottom width		X	
Circular Padding (<i>measured from upper edge to crotch</i>)			X
Print placement			X
Basic Material	85-88 % Nylon or Polyester; 12-15% Spandex	X	
Color	Black	X	
Bursting Strength, kg/cm ²	12.0 (min)	X	
Fabric Count			
Wales	20 (min)		X
Weft	27 (min)		X
Thickness, mm	0.60 – 0.80	X	
Weight, g/m ²	260 (maximum)		X
Construction	The Cycling Short shall be of the design essentially similar shown in the attached illustration.	X	
Waistband	It shall be provided with elastic band. The waistband shall be flat and smooth (not wrinkled)	X	
	It shall be 3.0 cm wide ± 1.0 cm		X
	It shall be sewn with double rows of stitching.		X
Buttock and Groin Padding	Shall have padding in the buttock and groin. The padding shall be made of three (3) same basic materials.	X	
Joint Crotch Seam	Shall be joined in the crotch, stitched together using a Flatlock Stitch. It shall be stitched from the waistband to the crotch as illustrated.	X	
Hem, Bottom	Shall be turned-up with raw edge turned under with double rows of stitching	X	
	The hem shall measure 2.0 ± 0.5 cm.		X
Thread	The thread to be used for all stitching and sewing operations shall be polyester.		X



	It shall have the same color and shade of the fabric	X	
	It shall have a minimum breaking strength of 1.0 kg.		X
PA LOGO	With PA logo	X	
Location	Shall be printed on the front left thigh part of the cycling short.	X	
	It shall be printed using rubberized paint or by heat transfer process.		X
Dimension	The diameter of the logo shall be 3.5 ± 0.5 cm and the rest of the details are proportionate and identifiable.	X	
	The Logo shall be placed 4.0 ± 1.0 cm from the bottom edge of the cycling short as illustrated.		X
Color	The color shall be similar on the attached illustration.	X	
Contractor's Label	With contractor's label	X	
Location	Shall be printed on a piece of cloth with indelible ink/paint or by heat transfer.	X	
	Shall be sewed in the inside center back portion just below the waistband.	X	
Letterings	Arial font, size 10		X
Contents of Label	SHORT, CYCLING (COMPRESSION), BLACK QM SPEC NR IC-21SCCB Name of Contractor Size		X
TOTAL TEST POINTS		22	15


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Army Vision... By 2028, a world class Army that is a source of national pride.

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SHORT, CYCLING (COMPRESSION), BLACK
QM SPEC NR IC-21SCCB dated 20 November 2017 (Interim)

VISUAL INSPECTION CHECKLIST

PO Nr _____
Supplier _____
Lot Size _____
*Sample Size _____

Date _____

DESCRIPTION OF DEFECTS	CLASSIFICATION OF DEFECTS
1. Packaging and Packing	
a. Carton label not specified - Item, Name of Manufacturer, Quantity and Size, and Lot No.	Major
b. Cycling short actual size differs from carton label.	Minor
c. Item not packed in a transparent plastic bag	Major
d. The transparent plastic bag was not secured with a transparent tape or zip lock closure	Minor
e. The cycling short was not packed in a brand new corrugated carton	Major
f. The cycling short was not tied in five (5) pieces bundle.	Minor
g. The top cover of the carton is not sealed with binding tape and with nylon straps	Major
2. Not black in color	Major
3. Not essentially similar on the attached illustration of construction and design.	Major
4. No PA logo on the front left thigh part	Major
5. Missing Contractor's label	Major
6. The waistband is not elastic	Major
7. The waistband is not flat and smooth	Major
8. No bottom hem	Major
9. The workmanship have the following defects	
a. That affects the functionality and appearance of the item	Major
b. That does not affect the functionality and appearance of the item	Minor
10. Loose sewing/untrimmed thread ends	Minor

*Note: Sample Sizes is based on Military Standard 105E, Table III-A of General Inspection Level I double sampling Plan.


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