

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

PA SPECIFICATION

QM SPEC NR IC-21SBB

SEP 28 2015

(Interim)

SOCKS FOR BOOTS, BLACK

1. GENERAL

1.1 Scope – This specification covers one (1) type of Socks for Boots, Black for use of military personnel of the Philippine Army.

1.2 Grade – The finished Socks for Boots, Black shall conform with the quality and grade of product prescribed by this specification.

1.3 Size – The Socks for Boots shall be one (1) size only, dimensions shall be as shown in Table 1 below and in the attached illustration.

TABLE 1

Characteristics	Cuff	Leg	Foot
Length, cm	2.0 ± 0.5	23.0 ± 1.0	20.0 ± 1.0
Width, cm	-	7.0 ± 1.0	10.0 ± 1.0

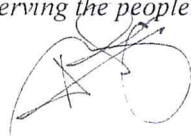
2. REQUIREMENTS

2.1 First Article – One (1) pair of Socks for Boots, Black shall be submitted to the Office of the Army Quartermaster for first article inspection in accordance with para 3.1.

2.2 Materials

2.2.1 Basic Material – The basic material of the socks shall be black and shall conform with the following requirements:

Characteristics	Cuff	Leg	Foot
Type of knit	Rib Knit, 1x1	Rib, Knit 3x1	Plain Knit (Instep, Sole and Toe Portion)
Fabric Composition	-	20 ± 5% Cotton, 15 ± 5% Nylon and 65 (minimum) Elastic Strands	55 ± 5% Cotton, 35 ± 5% Nylon and 10 (minimum) Spandex (Instep and Sole Portion)
No. of Ply	-	2 Ply (minimum) Cotton 1 Ply (minimum) Nylon with Elastic Strands	1 Ply (minimum) Cotton 2 Ply (minimum) Nylon 1 Ply (minimum) Spandex
Fabric Count/cm Wales	4 (minimum)	8 (minimum)	6 (minimum)
Courses	6 (minimum)	8 (minimum)	10 (minimum)



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2.2.2 Stretchability – Both parts of the socks, leg and foot shall achieve a width of 18.0 cm (minimum) when stretched to the maximum extent.

2.3 Construction – The socks shall be constructed in accordance with acceptable standards in the manufacture of socks.

2.4 Workmanship

2.4.1 Design – The socks for boots shall be of the design essentially the same as shown in the attached illustration.

2.4.2 Finish – The socks for boots shall be clean, well shaped, well finished and free from holes, mends and other imperfections and/or defects which may affect its appearance or serviceability of the socks.

3. VERIFICATION

3.1 First Article Inspection – One pair sample of the finished Socks for Boots submitted in para 2.1 shall be subjected to first article inspection and for approval as against the bid sample. The sample shall be subjected to tests and examination to verify if the requirements in para 2.2 to 2.4 are satisfied with reference to the attached test parameters and classification of defects for this document.

3.2 Sampling

3.2.1 Samples of materials, components and other items entering into the manufacture of sock for boots shall be taken at random from time to time by PA inspectors for purposes of examination and test to determine compliance with the requirements of this specification.

3.2.2 Pre-production Sample – Before actual production starts, unless otherwise specified, one (1) pair of the finished item covered by this specification or item being procured by procuring agency will be inspected for verification whether the quality of materials used conformed with the characteristic/requirements of this specification.

4. QUALITY ASSURANCE PROVISION

4.1 Responsibility for Inspection – Unless otherwise specified in the contract or purchase order, the contractor is responsible for the performance of all inspection requirements as specified herein. Except as otherwise specified in the contract or purchase order, the contractor may use his own or other facilities suitable for the performance of the inspection requirements specified herein, unless disapproved by the government. The government reserves the right to perform any of the inspections set forth in the specifications which are deemed necessary to assure that supplies and services conform to prescribed requirements.

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4.2 Responsibility for Compliance – All items must meet all the requirements of sections 2 and 3. The inspections set forth in this specification shall become a part of the contractor’s overall inspection system or quality program. The absence of any inspection requirements in the specification shall not relieve the contractor of the responsibility of assuring that all products or supplies submitted to the Government for acceptance comply with all the requirements of the contract.

4.3 Bid Samples – One (1) pair bid sample of the finished socks for boots shall be submitted to RDC, ASCOM, PA to determine the extent of compliance with the specification insofar as quality of materials used is concerned. The Office of the Army Quartermaster shall determine the extent of compliance with the specification insofar as workmanship, style and finish are concerned.

5 PACKAGING

5.1 Packaging – Two socks shall be folded once and placed in a transparent (cellophane) bag. Ten (10) pairs shall be neatly stacked to a bundle with every other pair reversed. Each bundle shall be securely tied over with paper tape along its width.


5.2 Packing – Ten (10) bundles or one hundred (100) pairs of socks for boots shall be packed in a corrugated carton. The top cover when closed shall be sealed with a binding tape and finally secured with nylon straps. The box shall be labeled as follows:

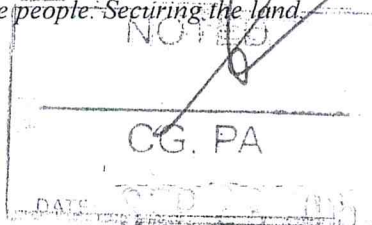
SOCKS FOR BOOTS, BLACK
QM SPEC NR IC-21SBB
Name of Contractor:
Quantity:

6. NOTES

6.1 The contractor/manufacturer shall notify the Office of the Army Quartermaster at least seven (7) days before actual production starts so that PA inspectors can be assigned to oversee the process of manufacture to be followed and to inspect the quality of materials to be used.

6.2 Any point not covered by the text shall be governed by the attached illustration which shall be followed in every detail.

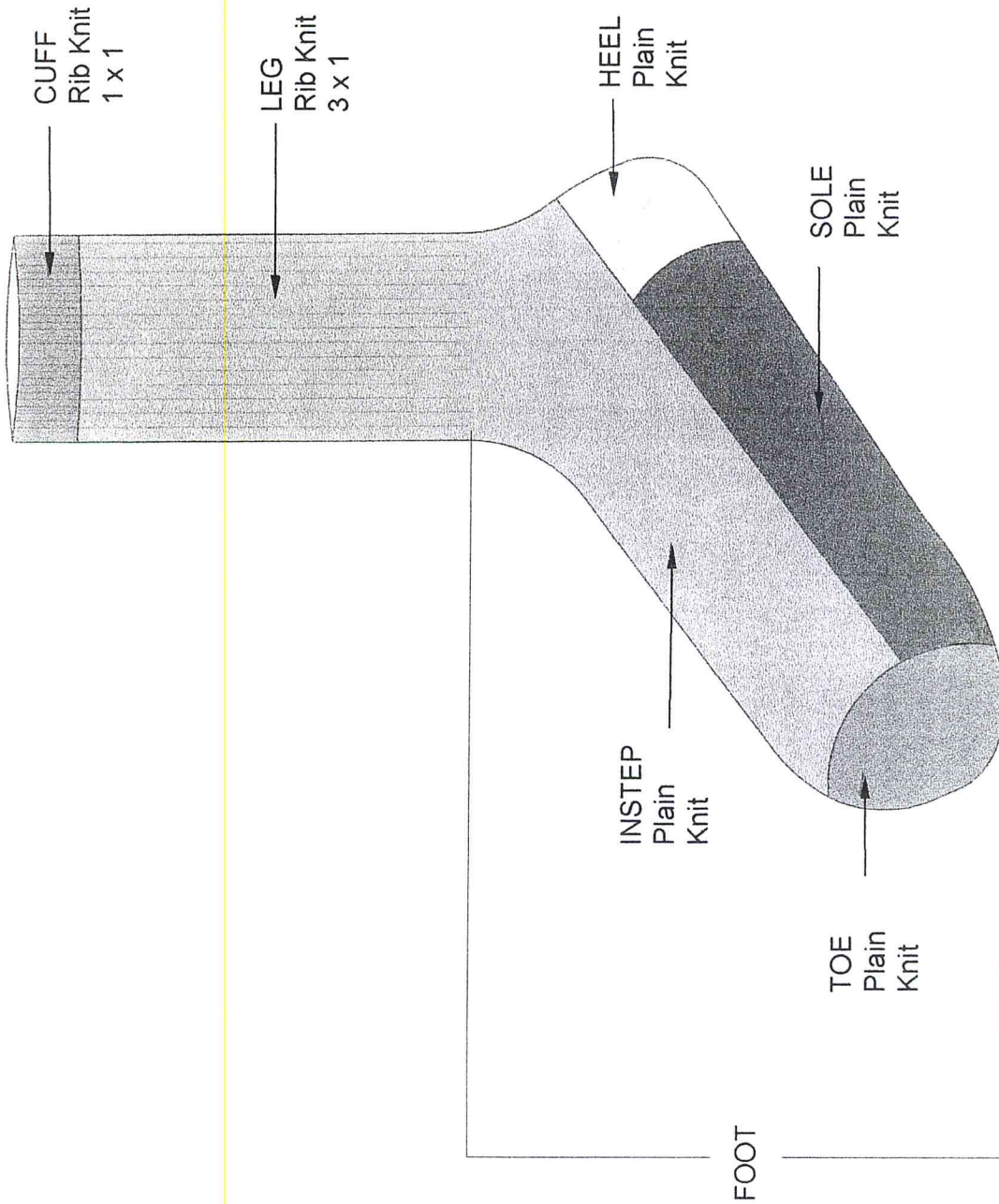

AURELIO T BADAJOS
Colonel, QMS (GSC) PA
Chief



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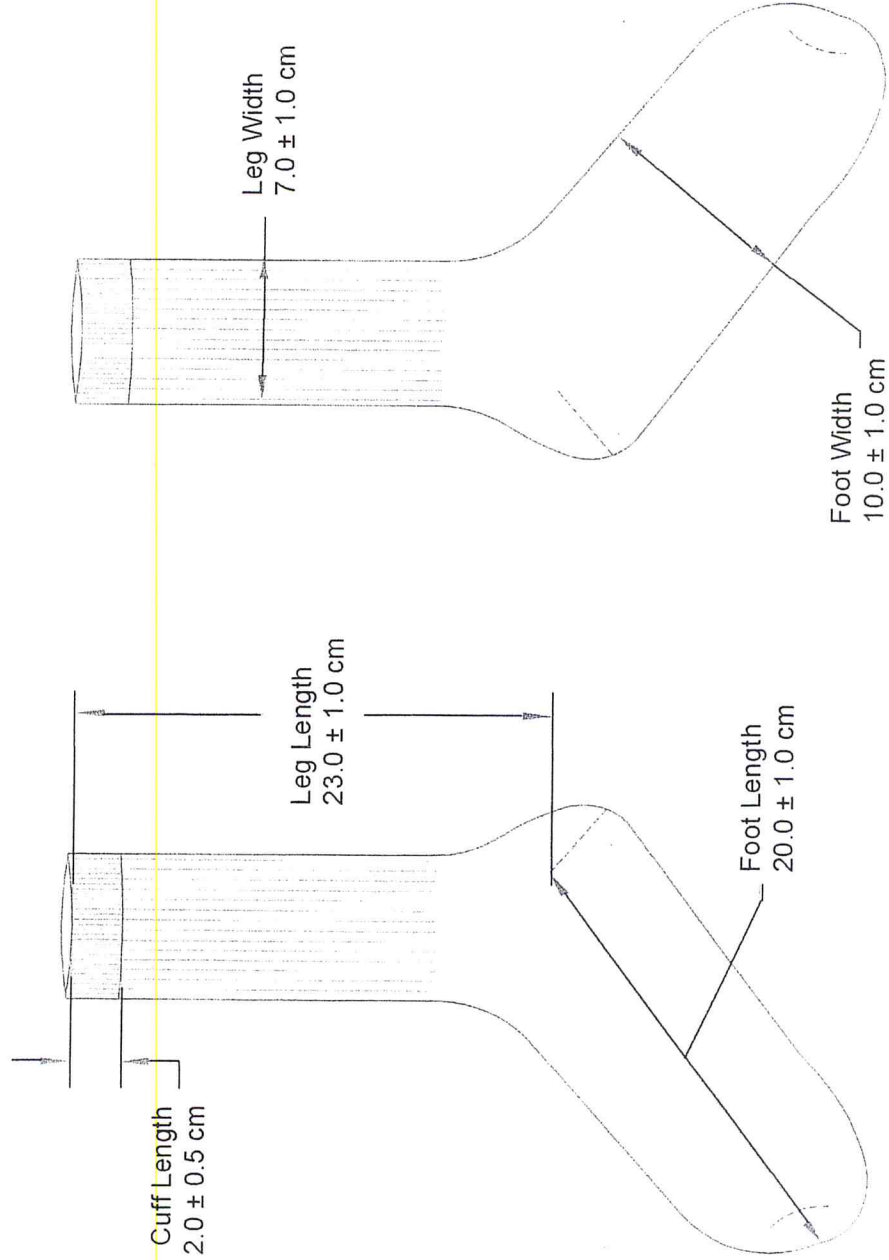
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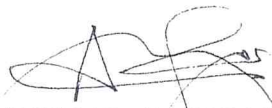
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HEADQUARTERS
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TEST PARAMETERS
SOCKS FOR BOOTS, BLACK

TEST PARAMETERS	QM SPEC NR IC-21SBB dtd 28 September 2015	Classification	
		Major	Minor
Measurements, cm			
Length			
Cuff	2.0 ± 0.5		x
Leg	23.0 ± 1.0	x	
Foot	20.0 ± 1.0	x	
Width			
Leg	7.0 ± 1.0	x	
Foot	10.0 ± 1.0	x	
Basic Material			
Color	Black	x	
Type of Knit			
Cuff	Rib knit 1 x 1		x
Leg	Rib knit 3 x 1		x
Foot (Instep, Sole and Toe Portion)	Plain knit		x
Fabric Composition			
Leg	20 ± 5% Cotton, 15 ± 5% Nylon and 65 (minimum) Elastic Strand	x	
Foot (Instep and Sole Portion)	55 ± 5% Cotton, 35 ± 5% Nylon and 10 (minimum) Spandex	x	
No. of Ply			
Leg	2 ply (minimum) Cotton 1 ply (minimum) Nylon with Elastic Strands		x
Foot	1 ply (minimum) Cotton 2 ply (minimum) Nylon 1 ply (minimum) Spandex		x
Fabric Count/cm			
Wales			
Cuff	4 (minimum)		x
Leg	8 (minimum)		x
Foot	6 (minimum)		x
Courses			
Cuff	6 (minimum)		x
Leg	8 (minimum)		x
Foot	10 (minimum)		x

TEST PARAMETERS	QM SPEC NR IC-21SBB dtd 28 September 2015	Classification	
		Major	Minor
Stretchability, cm			
Leg	18.0 (minimum)	x	
Foot	18.0 (minimum)	x	
Design	Shall be of the design essentially the same as shown in the attached illustration.	x	
Finish	Shall be clean, well shaped, well finished and free from holes, mends and other imperfections and/or defects which may affect its appearance or serviceability of the socks.	x	
Total Test Points		11	12


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SOCKS FOR BOOTS, BLACK
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TEST CRITERIA

FOR POST-QUALIFICATION TEST:

Destructive Testing Criteria based on Logistic Letter Directive Number SC-07-04 dtd 25 October 2007 para 5f.

TOTAL MINOR TEST POINTS	NO. OF ALLOWABLE DEFECTS	
	MAJOR	MINOR
12	0	1

1. No major defect allowed.
2. Maximum allowable minor defect is nine & 9/10 percent (9.9%) of total minor test points
“CONDUCTED”

FOR ACCEPTANCE TEST:


- I. Visual Inspection Criteria based on Mil Std 105E dtd 10 May 1989
 - All defects noted in 1st and 2nd sampling are cumulative.
 - In case of rejection, destructive testing will not be conducted

Classification of Defects	TABLE III-A General Inspection Level I Code Letter K Double Sampling Plan for Normal Inspection				
	Lot size 10,001 – 35,000 pcs Sample Size: 80 pcs + 80 pcs	Number of Defects			
		1 st Sampling		2 nd Sampling	
	AQL	Accept	Reject	Accept	Reject
MAJOR	6.5	7	11	18	19
MINOR	25	11	16	26	27

- II. Destructive Testing Criteria based on Logistic Letter Directive Number SC-07-04 dtd 25 October 2007 para 5f.

TOTAL MINOR TEST POINTS	NO. OF ALLOWABLE DEFECTS	
	MAJOR	MINOR
12	0	1

1. No major defect allowed.
2. Maximum allowable minor defect is nine & 9/10 percent (9.9%) of total minor test points
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VISUAL INSPECTION CHECKLIST

DESCRIPTION OF DEFECTS	CLASSIFICATION		FINDINGS
	MAJOR	MINOR	
1. Packing and Packaging a. Quantity not as specified in the carton label. b. Two socks are not folded once and not placed in a transparent (cellophane) bag. c. Not stacked to a bundle containing ten (10) pairs with every other pair reversed. c. Each bundle not securely tied over with paper tape along its width. d. Ten (10) bundles or one hundred (100) pairs of socks not packed in a corrugated carton and sealed with a binding tape. e. Not properly labeled. Nomenclature, SPEC NR, Name of Contractor, Quantity	x	x x x x x	
2. Not Black in color	x		
3. Presence of dirt, stains and other defects: a. Affecting appearance b. Does not affect appearance	x	x	
6. Loose sewing/Untrimmed thread ends		x	


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LIST OF REQUIRED PROTOTYPE SAMPLES

1. FOR POST QUALIFICATION TEST

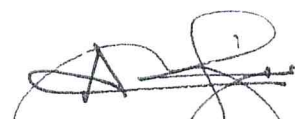
PROTOTYPE SAMPLES

RDC -Three (3) pairs

OAQM - One (1) pair

2. FOR ACCEPTANCE TEST

Three (3) pairs of socks for boots – Picked at random from delivery



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