

HEADQUARTERS
PHILIPPINE ARMY
OFFICE OF THE ARMY QUARTERMASTER
Fort Andres Bonifacio, Metro Manila

PA SPECIFICATION

QM SPEC NR IC-21LHP

Amendment 1

FEB 11 2019

Interim

LOUSY HAT, PHILARPAT

This Amendment forms part of QM SPEC NR IC-21LHC dated 22 February 2010 and is mandatory for use of all procuring agencies of the Philippine Army.

1. Page 1, Change the QM SPEC NR, as read: "QM SPEC NR IC-21LHC" to read: "QM SPEC NR IC-21LHP"
2. Page 1, Change the nomenclature as read: "Lousy Hat, Camouflage, 100% Cotton", to read: "Lousy Hat, PHILARPAT"
3. Page 1, Para 2.2 Material , Delete the entire paragraph, to read:

2.2 Material

2.2.1 Basic Material – The basic material shall be a blend of 85% ± 5% cotton and 15% ± 5% polyester fabric with the following construction requirements:

2.2.1.1 Pattern – The basic material shall be printed with Philippine Army Pattern (PHILARPAT) design as shown in the attached illustrations (Figures 1 - 5). The pattern shall be characterized by the natural geometric shapes using color of dark green (Figure 5) black (Figure 4), light green (Figure 3) and beige (Figure 2) color combinations with beige as the base color of the fabric. One (1) complete pattern shall have four (4) printed Philippine Army logos as shown in the attached illustration. The size of the Philippine Army logo is 1.3 ± 0.1 cm in height and 1.0 ± 0.1cm in width (Figure 6). The scale of the complete pattern shall be 76.2 ± 2 cm in length and 76.2 ± 2 cm in width. The pattern shall continuously repeat along the length and the width of the fabric.

2.2.1.2 Physical Requirements

Type of Weave	- Twill with ripstop design
Ripstop Design, cm	
Length	- 0.6 ± 0.1
Width	- 0.6 ± 0.1
Thread Count/2.54 cm:	
Warp	- 130 (minimum)
Filling	- 70 (minimum)



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Yarn Size, Denier (Fine)		
Warp	-	160 (minimum)
Filling	-	160 (minimum)
Yarn Size, Denier (Coarse)		
Warp	-	600 (minimum)
Filling	-	750 (minimum) ✓
Weight, g/m ²	-	200 (maximum)
Thickness, mm	-	0.30 - 0.35
Breaking Strength, kg (Grab Method)		
Warp	-	70 (minimum)
Filling	-	35 (minimum)
Tearing Strength, kg (Tongue Method)		
Warp	-	4.5 (minimum)
Filling	-	4.5 (minimum)
Flex Abrasion Resistance (Nr of cycles until rupture)		
Warp	-	9,000 (minimum)
Filling	-	9,000 (minimum)
Dimensional Change, %		
Warp	-	3 (maximum) ✓
Filling	-	3 (maximum) ✓
Colorfastness	AATCC Gray Scale Rating	
	Change in Color	Staining
Laundering	Grade 4 (min)	Grade 4 (min)
Perspiration	Grade 4 (min)	Grade 4 (min)
Color Quality		
Color Difference	-	2 (maximum)

2.2.2 Thread – The sewing thread shall be made of nylon or polyester yarns, olive drab, 2 ply (minimum) and 220 denier (minimum) with a minimum breaking strength of 1 kg.

2.2.3 Slide Keeper – The slide keeper, Olive Drab in color, shall be made of hard rubber or hard plastic.

2.2.4 Chin Strap – The chin strap shall be made of nylon, polyester or olefin webbing, OD in color, 0.8 ± 0.2 cm wide, not less than 60 cm long and must be sewed with bartack.



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2.2.5 Belt Strap – The belt strap or belt head band shall be made of nylon, polyester or olefin webbing, 1.8 ± 0.2 cm in width, Olive drab in color. There shall be 13 belt straps.

2.2.6 Brim – The brim shall be 5 ± 1 cm in width.

2.2.7 Stiffener – The stiffener of the brim shall be made of the same basic material or equivalent.

4. Page 4, Para 2.4.3 Contractors Label – Delete the entire paragraph, to read: “Each lousy hat shall have a contractors label imprinted on the inside top portion of the hat using white paint or ink, Arial font, size 12. The contents of the label are as follows:”

LOUSY HAT, PHILARPAT

Name of Contractor:

Size:

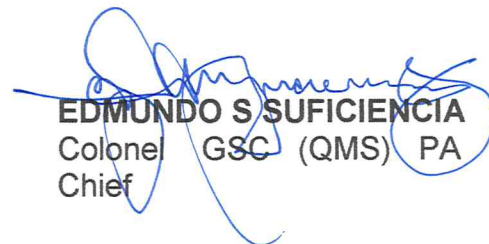
5. Page 5, Para 5.2 Packing – Change the label of the box, to read:

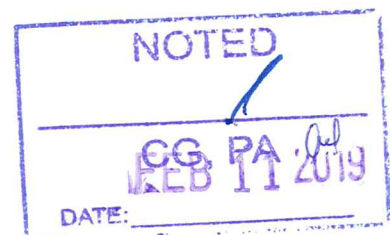
LOUSY HAT, PHILARPAT

Name of Contractor:

Size:

Quantity:


EDMUNDO S SUFICIENCIA
Colonel GSC (QMS) PA
Chief



1. The color quality test shall be based on PHILARPAT, BDU color.

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

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LOUSY HAT, PHILARPAT

**PHILARPAT DESIGN FOR TEXTILE
(76.2 cm x 76.2 cm)**

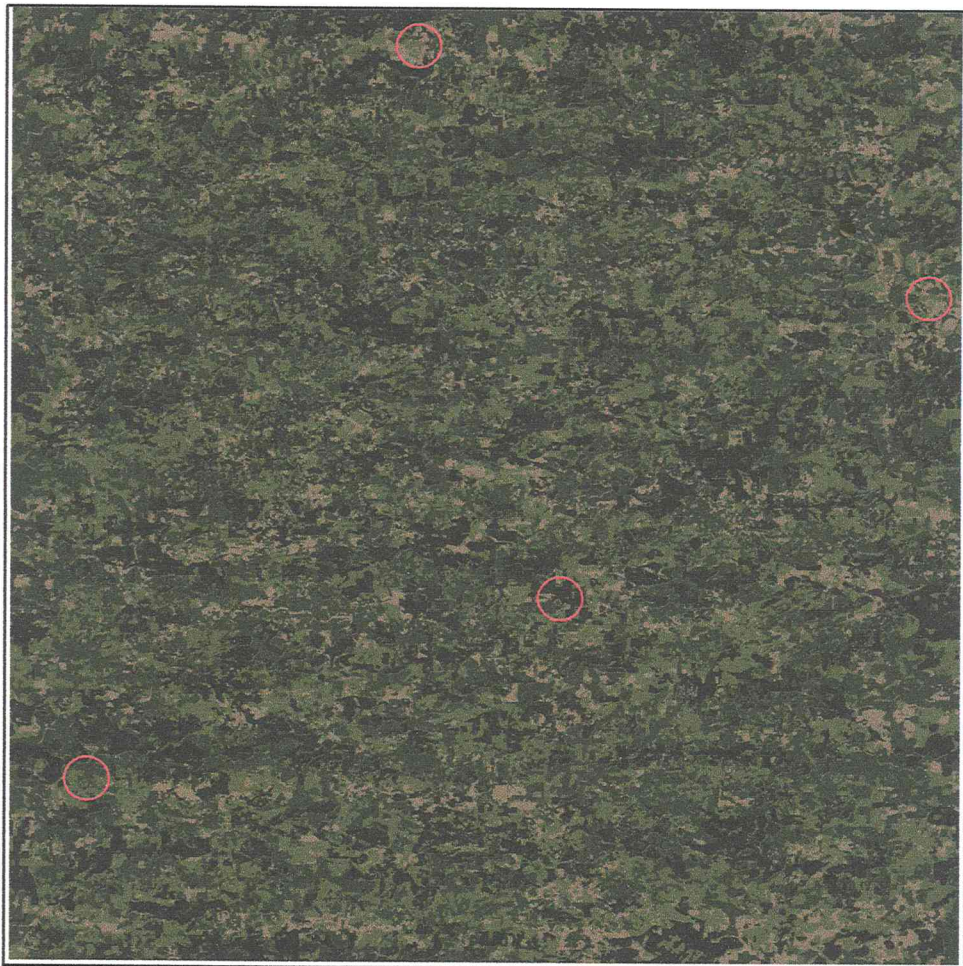


Figure 1

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PHILARPAT DESIGN (BEIGE LAYER – BASE COLOR)

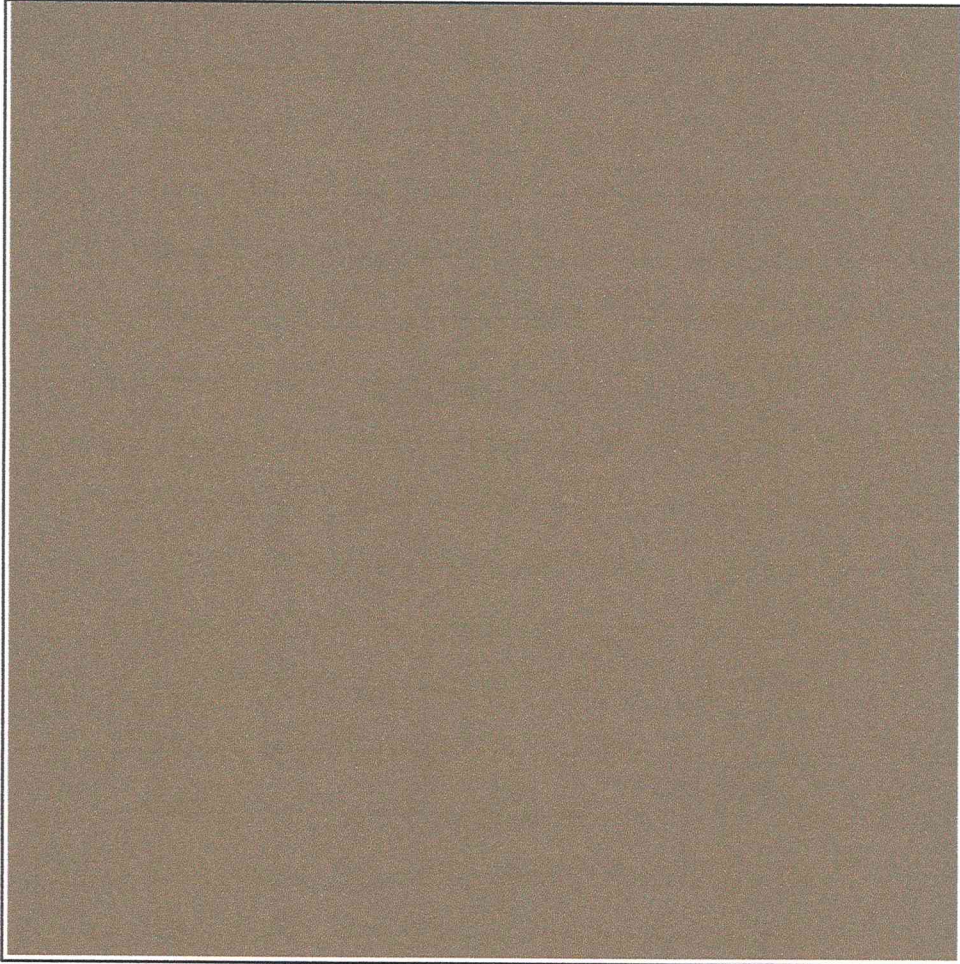


Figure 2

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PHILARPAT DESIGN (LIGHT GREEN LAYER)

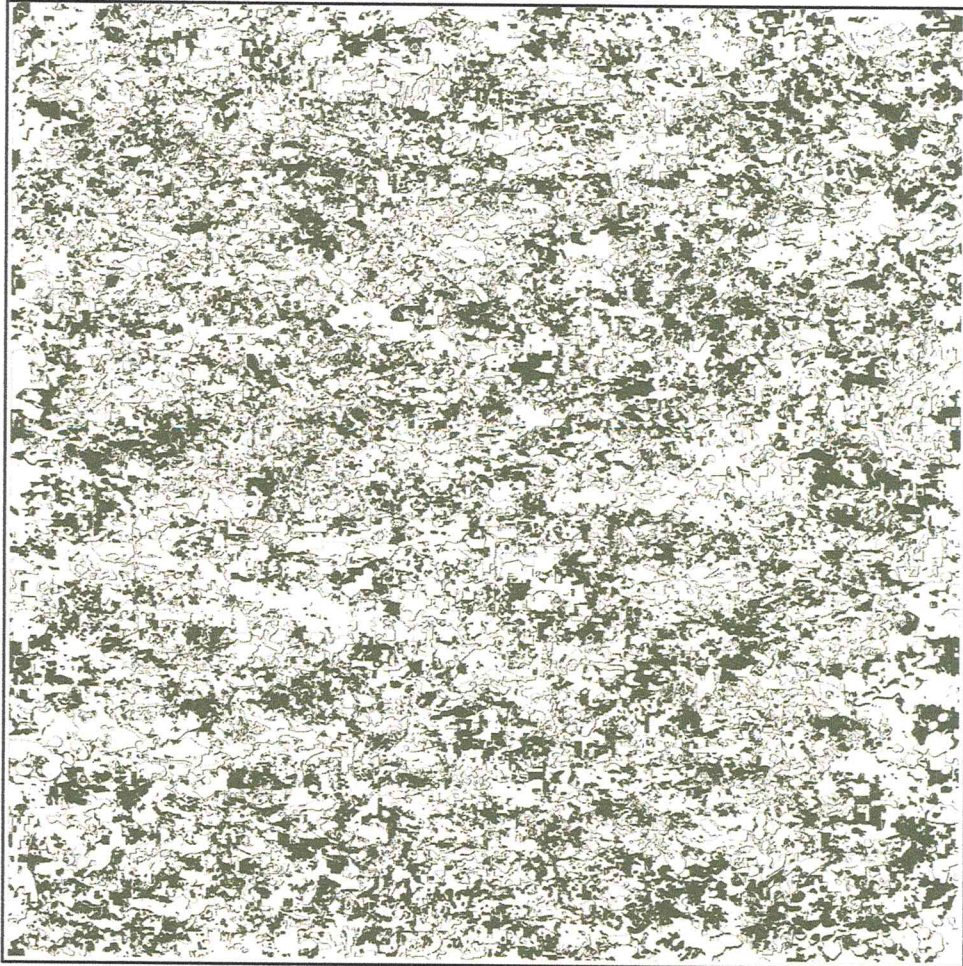


Figure 3

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PHILARPAT DESIGN (BLACK LAYER)

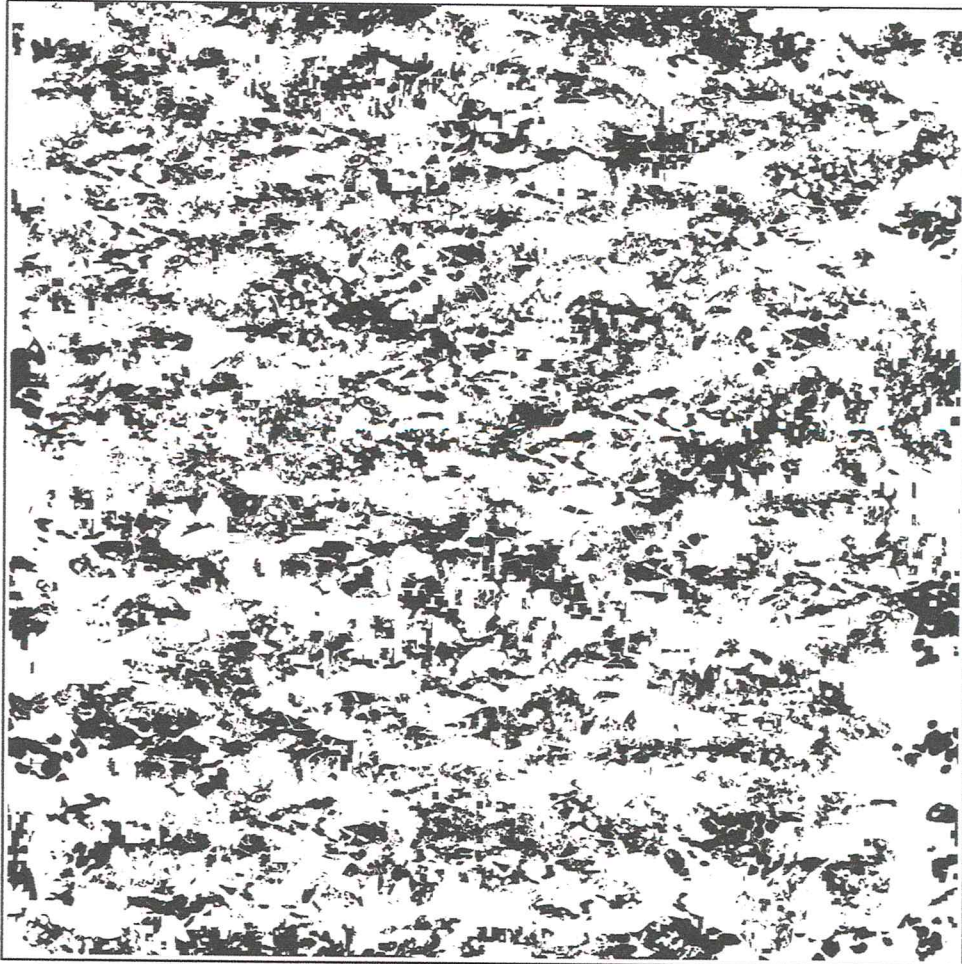


Figure 4

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PHILARPAT DESIGN (DARK GREEN LAYER)

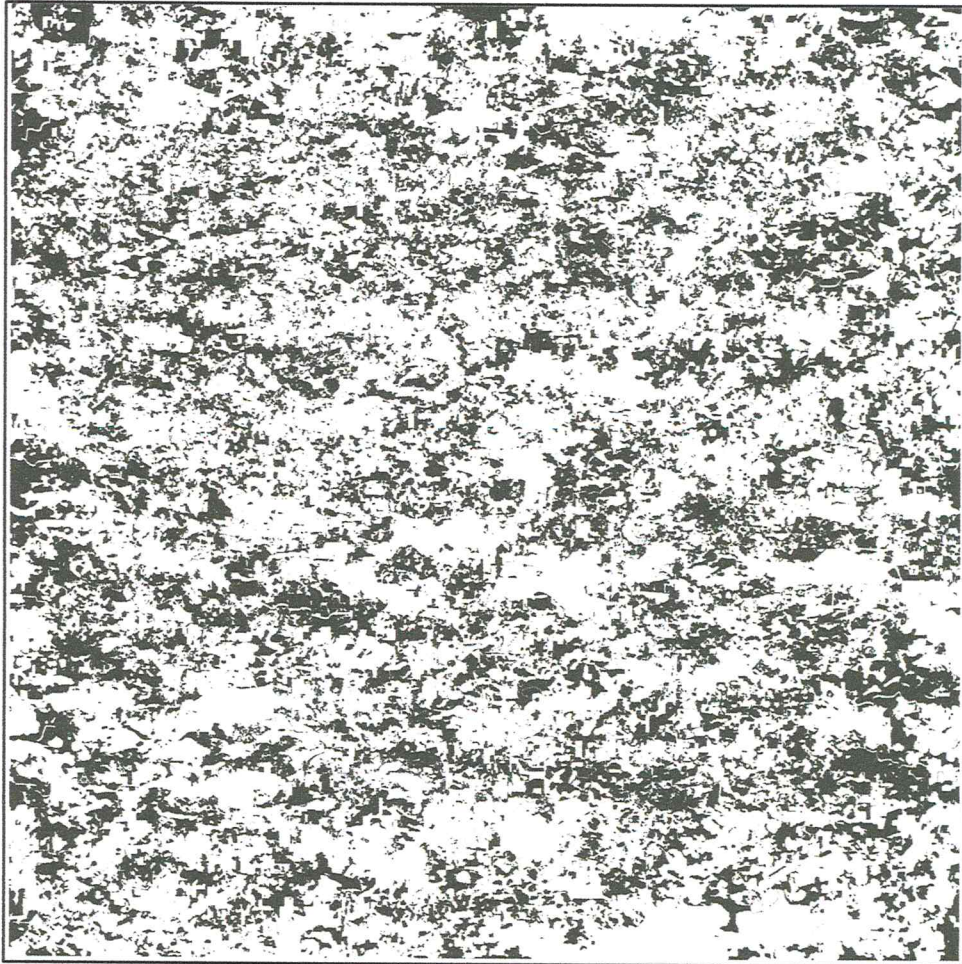


Figure 5

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PA LOGO MAGNIFIED

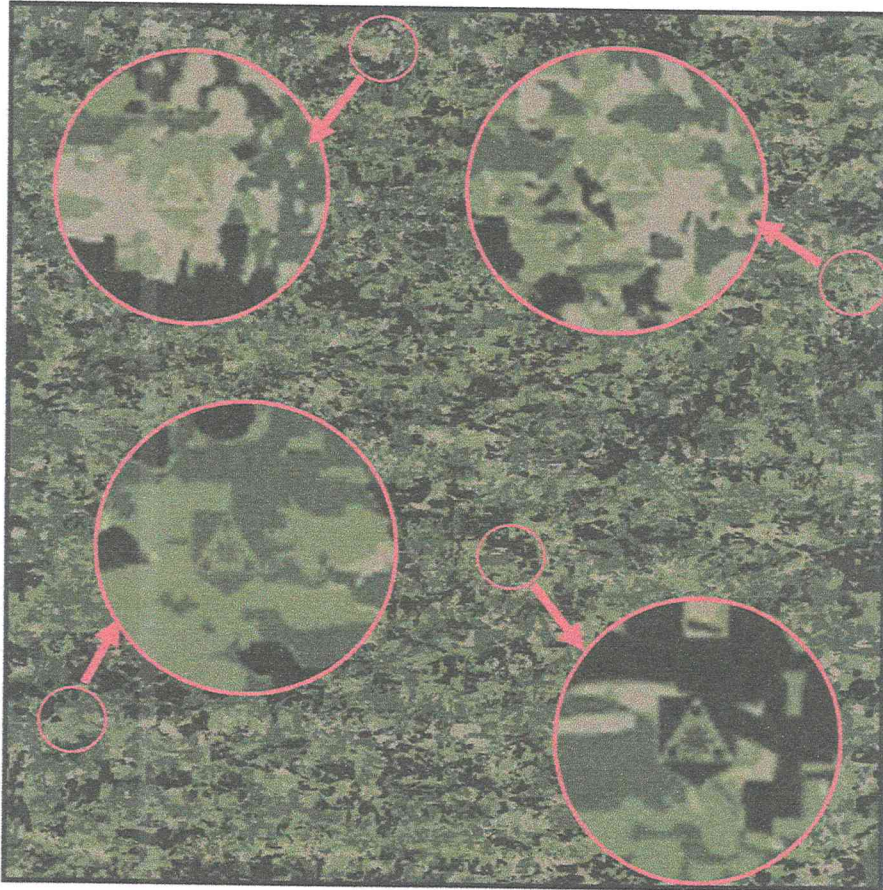


Figure 6

