

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

PA SPECIFICATION

QM SPEC NR IC-21CGOA-PA
09 DEC 2013
(Interim)

CLOTH FOR GENERAL OFFICE ATTIRE (GOA)

1. GENERAL

1.1 Scope – This specification covers two (2) types of cloth for General Office Attire (GOA) for shirt and pants for use of Officers and Enlisted Personnel of the Philippine Army.

1.2 Grade – The cloth for General Office Attire (GOA) shall be of the quality and grade of product prescribed by this specification.

1.3 Size – This finished General Office Attire (GOA) shall be of individual sizes and measurement in order to attain the correct sizes and fitting of individual users. Cloth measurement shall be determined by the contract and invitation to bid.

2. REQUIREMENTS

2.1 First Article – Two (2) sets of cloth for General Office Attire (GOA) for shirt and pants 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 100% polyester, shall be the same color shade as the approved PA standard color Medium Green for shirt and Dark Olive Drab for pants and conforming the following requirements:

	<u>SHIRT</u>	<u>PANTS</u>
Type of weave	Plain	Twill
Thread Count/2.54cm		
Warp	53 (minimum)	75 (minimum)
Filling	55 (minimum)	60 (minimum)
Yarn Size, Denier		
Warp	330 (minimum)	370 (minimum)
Filling	320 (minimum)	320 (minimum)
Weight, g/m ²	185 (maximum)	240 (maximum)

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	<u>SHIRT</u>	<u>PANTS</u>
Thickness, mm	0.40 (minimum)	0.50 (minimum)
Breaking Strength, kg (Grab Method)		
Warp	96 (minimum)	130 (minimum)
Filling	110 (minimum)	115 (minimum)
Tearing Strength, kg (Tongue Method)		
Warp	6.0 (minimum)	6.0 (minimum)
Filling	6.0 (minimum)	6.0 (minimum)
Colorfastness		
Laundering	AATCC Gray Scale Rating	
Change in Color	Grade 4 (minimum)	Grade 4 (minimum)
Staining	Grade 4 (minimum)	Grade 4 (minimum)
Perspiration		
Change in Color	Grade 4 (minimum)	Grade 4 (minimum)
Staining	Grade 4 (minimum)	Grade 4 (minimum)
Color Quality (Color Difference) (Spectrophotometric Method)	1.5 (maximum)	1.5 (maximum)

2.3. Construction

2.3.1 The manufacture of both types of cloth for General Office Attire (GOA) shall be in accordance with the requirements of this specification and the best method adopted by the contractor/manufacturer, which through experience and use, has been found to be the best for the production of said article.

2.3.2 The finished width of the cloth shall not be less than 145 cm (minimum).

2.4. Workmanship

2.4.1 Finish – The finished cloth for General Office Attire (GOA) shall be clean, well pressed and free from defects which may affect its appearance and/or serviceability. Overall workmanship shall be the best known to the trade. Poor workmanship shall be sufficient ground for rejection of the finish article.



3. VERIFICATION

3.1. First Article Inspection - The sample of cloth for General Office Attire (GOA) 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 test and examination to verify if the requirements in para 2.2 through 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 entering into the manufacture of the both types of cloth for General Office Attire (GOA) shall be taken at random from time to time by PA inspector for purposes of examination and to determine compliance with the requirements of this specification.

3.2.2 Pre-production Sample – Before actual production starts, the contractor/manufacturer shall submit one (1) set of cloth for General Office Attire (GOA) to RDC, ASCOM, PA for verification whether the quality of material used conformed with the characteristics/requirements of this specification and one (1) set to the Office of the Army Chief Quartermaster for approval as to color shade, width and finish.

4. QUALITY ASSURANCE PROVISION

4.1 Responsibility of 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.

4.2 Responsibility for Compliance – All items must meet all the requirements of sections 2 & 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. Sampling in quality conformance does not authorize submission of known defective material either indicated or actual, nor does it commit the government of defective material.



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4.3 Bid Samples – Two (2) sets bid samples of cloth for General Office Attire (GOA) 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 Chief Quartermaster shall determine the extent of compliance with the specification insofar as workmanship, style and finish are concerned.

5. PACKAGING AND PACKING

5.1 Packaging – One (1) set of cloth for General Office Attire (GOA) shall be individually packaged in transparent cellophane bag. The open end of the bag shall be folded and closed with transparent tape.

5.2 Packing – Fifty (50) sets of cloth for General Office Attire (GOA) shall be packed in a corrugated carton. The top cover shall be sealed with binding tape and finally secured with nylon straps. The box shall be labeled as follows:

CLOTH FOR GENERAL OFFICE ATTIRE (GOA)

QM SPEC NR IC-21CGOA-PA

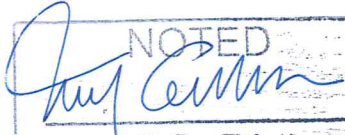
Name of Manufacturer:

Quantity:

6. MISCELLANEOUS

6.1 The contractor/manufacturer shall notify the Office of the Army Chief 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.


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Colonel, QMS (GSC) PA
Chief, AQM



NOTED
CG, PA
DATE: DEC 09 2013

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PHILIPINE ARMY
OFFICE OF THE ARMY QUARTERMASTER
Fort Andres Bonifacio, Metro Manila

**TEST PARAMETERS
CLOTH FOR GENERAL OFFICE ATTIRE (GOA)**

TEST PARAMETERS	TEST METHOD	QM SPEC NR IC-21CGOA-PA Interim <i>DEC 09 2013</i>	Classification	
			Major	Minor
BASIC MATERIAL				
Shirt	AATCC 20	100% Polyester	x	
Color	Visual	Medium Green	x	
Type of Weave		Plain	x	
Thread Count/2.54cm	ASTM D3775			
Warp		53 (minimum)		x
Filling		55 (minimum)		x
Yarn Size, Denier	ASTM D1059 & RDC Method			
Warp		330 (minimum)		x
Filling		320 (minimum)		x
Weight, g/m ²	ASTM D3776 & RDC Method	185 (maximum)		x
Thickness, mm	ASTMD1777	0.40 (minimum)		x
Breaking Strength, kg	ASTM D5034 (Grab Method)			
Warp		96.0 (minimum)	x	
Filling		110.0 (minimum)	x	
Tearing Strength, kg	ASTM D2262 (Tongue Method)			
Warp		6.0 (minimum)	x	
Filling		6.0 (minimum)	x	
Colorfastness	AATCC TM 15	AATCC Gray Scale Rating		
Laundering				
Change in Color		Grade 4 (minimum)	x	
Staining		Grade 4 (minimum)	x	
Perspiration	AATCC TM 61			
Change in Color		Grade 4 (minimum)	x	
Staining		Grade 4 (minimum)	x	
Color Quality	Spectrophotometric Method			
Color Difference		1.5 (maximum)	x	
Pants	AATCC 20	100% Polyester	x	
Color	Visual	Dark Olive Drab	x	
Type of Weave		Twill	x	
Thread Count/2.54cm	ASTM D3775			
Warp		75 (minimum)		x
Filling		60 (minimum)		x
Yarn Size, Denier	ASTM D1059 & RDC Method			
Warp		370 (minimum)		x
Filling		320 (minimum)		x
Weight, g/m ²	ASTM D3776 & RDC Method	240 (maximum)		x
Thickness, mm	ASTMD1777	0.50 (minimum)		x
Breaking Strength, kg	ASTM D5034 (Grab Method)			
Warp		130 (minimum)	x	
Filling		115 (minimum)	x	

TEST PARAMETERS	TEST METHOD	QM SPEC NR IC-21CGOA-PA Interim DEC 09 2019	Classification	
			Major	Minor
Tearing Strength, kg	ASTM D2262 (Tongue Method)			
Warp		6.0 (minimum)	x	
Filling		6.0 (minimum)	x	
Colorfastness	AATCC TM 15	AATCC Gray Scale Rating		
Laundering				
Change in Color		Grade 4 (minimum)	x	
Staining		Grade 4 (minimum)	x	
Perspiration	AATCC TM 61			
Change in Color		Grade 4 (minimum)	x	
Staining		Grade 4 (minimum)	x	
Color Quality	Spectrophotometric Method			
Color Difference		1.5 (maximum)	x	
TOTAL TEST POINT			24	12


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GENERAL OFFICE UNIFORM (GOU)
QM SPEC NR IC-21GOU-PA dtd 15 September 2015

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
49	0	4

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:

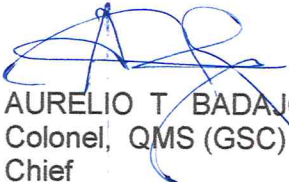
- I. Visual Inspection Criteria based on Mil Std 105E dtd 10 May 1989
 - All defects noted in 1st and 2nd sampling are cumulative.
 - In case of rejection, destructive testing will not be conducted

Classification of Defects	TABLE III-A General Inspection Level I Code Letter H Double Sampling Plan for Normal Inspection				
	Lot size 1,201 – 3,200 pcs Sample Size: 32 pcs + 32 pcs	Number of Defects			
		1 st Sampling		2 nd Sampling	
	AQL	Accept	Reject	Accept	Reject
MAJOR	6.5	3	7	8	9
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
49	0	4

1. No major defect allowed.
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CLOTH FOR GENERAL OFFICE ATTIRE (GOA)
QM SPEC NR IC-21CGOA-PA dtd 9 December 2013


LIST OF REQUIRMENTS FOR TESTING

1. FOR POST QUALIFICATION TEST

RDC – One (1) set of Cloth for GOA - 150 cm in length (full width)

2. FOR ACCEPTANCE TEST

RDC – One (1) set of Cloth for GOA - 150 cm in length (full width)


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CLOTH FOR GENERAL OFFICE ATTIRE (GOA)
QM SPEC NR IC-21CGOA-PA dtd 9 December 2013

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:

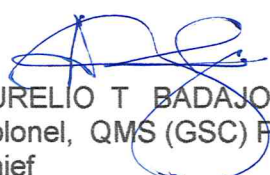
- I. Visual Inspection Criteria based on Mil Std 105E dtd 10 May 1989
 - All defects noted in 1st and 2nd sampling are cumulative.
 - In case of rejection, destructive testing will not be conducted

Classification of Defects	TABLE III-A General Inspection Level I Code Letter J Double Sampling Plan for Normal Inspection				
	Lot size 3,201 – 10,000 pcs Sample Size: 50 pcs + 50 pcs	Number of Defects			
		1 st Sampling		2 nd Sampling	
	AQL	Accept	Reject	Accept	Reject
MAJOR	6.5	5	9	12	13
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.
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