

INCH-POUND

MIL-PRF-43906D
30 September 1996
SUPERSEDING
MIL-C-43906C
31 March 1992

PERFORMANCE SPECIFICATION

CLOTH, NYLON, WATERPROOF

This specification is approved for use by all Departments and Agencies of the Department of Defense.

1. SCOPE

1.1 Scope. This specification covers two types of waterproof cloth.

1.2 Classification. The cloth should be of the following types as specified (see 6.2).

Type I - Camouflage Green 483
Type II - Woodland Camouflage

2. APPLICABLE DOCUMENTS

2.1 General. The documents listed in this section are specified in sections 4 and 5 of this standard. This section does not include documents cited in other sections of this standard or recommended for additional information or as examples. While every effort has been made to ensure the completeness of this list, document users are cautioned that they must meet all specified requirements documents cited in sections 4 and 5 of this standard, whether or not they are listed.

2.2 Government documents.

2.2.1 Specifications, standards, and handbooks. The following specifications, standards, and handbooks form a part of this document to the extent specified herein. Unless otherwise specified, the issue of these documents are those listed in the issue of the Department of Defense Index of Specifications and Standards (DODISS) and supplement thereto, cited in the solicitation (see 6.2).

Beneficial comments (recommendations, additions, deletions, clarifications) and any pertinent data which may be of use in improving this document should be addressed to: Defense Personnel Support Center, Clothing and Textiles Directorate, Attn: DPSC-FNS, 2800 South 20th Street, Philadelphia, PA 19145-5099 by using the Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

AMSC N/A

FSC 8305

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SPECIFICATIONS

FEDERAL
O-I-503 - Insect Repellent, Clothing and Personal Application

STANDARDS

FEDERAL
FED-STD-191 - Textile Test Methods

MILITARY
MIL-STD-1487 - Glossary of Cloth Coating Imperfections

(Unless otherwise indicated, copies of federal and military specifications, standards, and handbooks are available from the Standardization Documents Order Desk, Bldg. 4D, 700 Robbins Avenue, Philadelphia, PA 19111-5094.)

DRAWINGS

U.S. ARMY NATICK RESEARCH, DEVELOPMENT & ENGINEERING CENTER
2-1-1516B Pattern

(Copies of drawings are available from the U. S. Army Natick Research, Development and Engineering Center, ATTN: SSCNC-UX, Natick, MA 01760-5017.)

2.2.2 Other Government documents, drawings, and publications. The following other Government documents, drawings, and publications form a part of this document to the extent specified herein. Unless otherwise specified, the issues are those cited in the solicitation.

FEDERAL TRADE COMMISSION
Rules and Regulations Under-the Textile Fiber Products Identification Act

(Copies are available from the Federal Trade Commission, Pennsylvania Avenue at Sixth Street, N.W., Washington, DC 20580-0001.)

CODE OF FEDERAL REGULATIONS

(Applications for copies of referenced documents should be addressed to U. S. Government Printing Office, Superintendent of Documents, Mail Stop: SSOP, Washington, DC 20402-9328.)

2.3 Non-Government publications. The following documents form a part of this document to the extent specified herein. Unless otherwise specified, the issues of the documents which are DOD adopted are those listed in the issue of the DODISS specified in the solicitation. Unless otherwise specified, the issues of documents not listed in the DODISS are the issues of the documents cited in the solicitation (see 6.2).

AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

(Applications for copies of referenced documents should be addressed to the American Society for Testing and Materials, 100 Barr Harbor Drive, West Conshohocken, PA 19426-2959.)

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TECHNICAL MANUAL OF THE AMERICAN ASSOCIATION OF
TEXTILE CHEMISTS AND COLORISTS (AATCC)

(Applications for copies of referenced documents should be addressed to the American Association of Textile Chemists and Colorists, P.O. Box 12215, Research Triangle Park, NC 27709-2215.)

TECHNICAL ASSOCIATION OF THE PULP AND PAPER INDUSTRY (TAPPI)

(Applications for copies of referenced documents should be addressed to TAPPI Press, Technology Park/Atlanta, P.O. Box 105113, Atlanta, GA 30348-5113.)

2.4 Order of precedence. In the event of a conflict between the text of this document and the references cited herein, the text of this document takes precedence. Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained.

3. REQUIREMENTS

3.1 First article. When specified (see 6.2), a sample shall be subjected to first article inspection (see 6.3), in accordance with 4.2.

3.2 Standard sample. The waterproof cloth shall match the standard sample for shade and appearance and shall be equal to or better than the sample for colorfastness (see 6.4).

3.3 Performance requirements. The cloth shall conform to the requirements specified in Table I and 3.4 through 3.9.

TABLE I. Requirements

Characteristic	Requirements
Weight Oz/yd ² (max)	7.2
Breaking Strength, lbs./inch width (min):	
Warp	120
Filling	85
Tearing Strength, grams (min):	
Warp	1850
Filling	1650
Hydrostatic Resistance psi (min):	
Initial	200
After accelerated weathering	150
After abrasion	150
After strength of coating	150
After high humidity	150

MIL-PRF-43906DTABLE I. Requirements (cont'd)

Characteristic	Requirements
Colorfastness (min)	
To Accelerated Weathering	
Type I	No "appreciable change"
Type II	<u>1/</u>
To high humidity	
Type I	No appreciable change
Type II	<u>1/</u>
Stiffness, cm: (max):	
At 70°F:	10
At 0°F:	13
Adhesion of coating, lbs/2 inch width (min)	
Face side <u>2/</u>	12.0
Back side <u>2/</u>	6.0
Blocking, scale rating (max)	No. 1
Resistance to:	
Leakage (min.)	No leakage
Diethyltoluamide (min.)	<u>3/</u>
Weathering (min)	<u>4/</u>
High humidity (min)	<u>4/</u>
Adhesion of seam tape, lbs.(min)	3.0

1/ Equal to or better than the standard sample.

2/ Requirement applies if a film or coating is applied to the surface of the cloth.

3/ The waterproof cloth shall show no lifting, no tackiness, no solution, no pickoff, no adherence to itself greater than scale rating (2) (slight blocking).

4/ The waterproof cloth shall not become stiff and brittle nor soft and tacky and there shall be no evidence of cracking or crazing under visual examination.

3.4 Color.

3.4.1 Type I. The color of the cloth shall be dull Camouflage Green 483 (see 3.2 and 6.4).

3.4.2 Type II. The color of the cloth shall be Light Green 354, Dark Green 355, Dark Brown 356 and Black 357 with each area matching the specific colors of the Woodland Camouflage pattern on the standard sample (see 3.2 and 6.4).

3.5 Spectral reflectance.

3.5.1 Type I. Spectral reflectance values of the Type I Camouflage Green 483 waterproof cloth shall conform to the requirements specified in Table II when tested as specified in 4.3.2.

MIL-PRF-43906DTABLE II. Spectral reflectance requirements

Wavelengths Nanometers	Reflectance, %			
	Class 1		Class 2	
	Min	Max	Min	Max
600	5	12	--	--
620	5	12	--	--
640	5	12	--	--
660	5	13	--	--
680	6	15	45	65
700	9	21	45	65
720	15	30	45	65
760	32	50	45	65
780	38	56	45	65
800	41	60	45	65
820	43	63	45	65
840	45	65	45	65
860	46	66	45	65

3.5.2 Type II. The spectral reflectance of the colors in the 4-color Camouflage finished cloth shall conform to the requirements specified in Table III when tested as specified in 4.3.2.

TABLE III. Spectral reflectance requirements

Wavelengths Nanometers	Reflectance (%)						
	Type I		Type II				
	Camouflage Green 483		Light Green 354		Dark Green 355 & Brown 356		Black 357
	Min	Max	Min	Max	Min	Max	Max
600	5	12	8	20	3	13	10
620	5	12	8	20	3	13	10
640	5	12	8	20	3	13	10
660	5	13	8	22	3	13	10
680	6	15	8	36	3	22	10
700	9	21	14	60	8	46	10
720	15	30	26	78	20	66	10
740	24	42	40	90	30	80	10
760	32	50	50	92	32	88	10
780	38	56	55	92	32	90	10
800	41	60	55	92	32	90	10
820	43	63	55	92	32	90	10
840	45	65	55	92	32	90	10
860	46	66	55	92	32	90	10

3.6 Pattern execution, type II. The pattern shall reproduce the design as depicted on Drawing 2-1-1516B (see 6.4) with respect to design, design registration, color placement and pattern repeat. The pattern repeat shall be 27.25 +2.00 -2.50 inches in the warp direction.

3.7 Toxicity. The cloth shall not be toxic to the skin, eyes or epidermis when used as intended (see 4.4.14).

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3.8 Mildew resistance. The cloth shall be mildew resistant. If plastizers are used they should be restricted to phosphate or pthalate esters for the purpose of providing mildew resistance (see 4.4.15).

3.9 Face side identification. The face side of the waterproof cloth shall be identified by applying a stamping on that side of the cloth with the word "Face" on each end of each individual piece.

3.10 Fiber identification. Each roll shall be labeled and ticketed for fiber content in accordance with the Rules and Regulations Under the Textile Fiber Products Identification Act.

3.11 Recycled, recovered, or environmentally preferable materials. Recycled, recovered, or environmentally preferable materials should be used to the maximum extent possible provided that the material meets or exceeds the operational and maintenance requirements, and promotes economically advantageous life cycle costs.

4. VERIFICATION

4.1 Classification of inspections. The inspection requirements specified herein are classified as follows:

- a. Qualification inspection (see 4.2).
- b. Conformance inspection (see 4.3).

4.2 First article inspection. When a first article is required (see 6.2) it shall be examined for the defects listed in 4.3.1 and shall be tested for the characteristics specified in Table IV.

4.3 Quality conformance inspection. Sampling for inspection shall be as specified in the contract or purchase order.

4.3.1 End item examination.

4.3.1.1 Yard by yard examination. During the yard by yard examination, each roll in the sample shall be examined for the defects listed below. The yardage of each roll in the sample shall be examined on both sides. The yardage shall be given a through-light inspection for pinholes and thin areas. The through-light inspection shall be performed in accordance with MIL-STD-1487. The defects found shall be counted regardless of their proximity to each other, except where two or more defects represent a single local condition of the cloth, in which case only one defect shall be counted. A continuous defect shall be counted as one defect for each warpwise yard or fraction thereof in which it occurs. The sample unit shall be one linear yard.

Defect

Any cut, hole, tear, scratch, or abrasion mark
 Any pinhole
 Any unfinished area (if finished)
 Any thin area (applies to face side only)
 Any pit, blister, tunnel, or separation of finish (if finished)
 Any lump or thick area
 Any crease or wrinkle resulting in doubling or adhesion of surfaces that cannot be corrected by manual pressure

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Any spot, stain or streak more than 1 inch in combined directions 1/

Any embedded foreign matter

Any scorch or burn

Defect

Any piece not uniformly finished (if finished)

Any objectionable odor 2/

Not clean

Curled, folded, scalloped or rolled edges

Any nonuniformity of color (color not showing solid coverage)

Any skitteriness, feathering or spew of pattern exceeding that shown by standard sample
(Type II only; applies to face side)

Pattern design or color placement not equal to pattern drawing (Type II only; applies to face side)

Pattern colors not showing sharp demarcations between adjacent colors (Type II only; applies to face side)

Pattern colors are not properly registered (Type II only; applies to face side)

Warpwise pattern repeat less than 24.75 inches or more than 29.25 inches (Type II only; applies to face side)

1/ Clearly visible at normal inspection distance (approximately 3 feet).

2/ Odors of chemicals or commonly used finishes (i.e., coatings and films) shall not be regarded as objectionable.

4.3.1.2 Roll identification examination. During the yard-by-yard examination, each roll in the sample shall be examined for proper identification. Any roll in the sample that is not labeled or ticketed in accordance with the Textile Fiber Products Identification Act or any piece not marked with the word "Face", when required, shall be considered a roll identification defect.

4.3.1.3 Shade and appearance examination. During the yard-by-yard examination, each roll in the sample shall be examined on the face side for shade and appearance. If any roll in the sample is off shade or shaded side to side, side to center, or end to end, or if any roll does not have the same appearance as the standard sample, it shall be considered a shade and appearance defect.

4.3.2 End item testing. The waterproof cloth shall be tested for the characteristics listed in Table IV. The methods of testing specified wherever applicable and as listed in Table IV shall be followed. The sample unit for testing shall be 3 continuous yards full width of the finished cloth. The lot shall be unacceptable if any sample unit fails to meet any requirement specified. All test reports shall contain the individual values utilized in expressing the final results.

<u>Lot size (yards)</u>	<u>Sample size (sample units)</u>
800 or less	2
801 up to and including 22,000	3
22,001 and over	5

TABLE IV. End item tests

Characteristic	Test method
Weight	ASTM D 3776 Method C (small swatch of fabric method)
Breaking strength	ASTM D 5035 (1C-E or 1C-T)

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Tearing strength	ASTM D 1424
Hydrostatic Resistance	
Initial	4.4.1
After accelerated weathering	5804 <u>1/</u> or 4.4.5 and 4.4.1
After abrasion	4.4.2 & 4.4.1
After strength of coating	5972 <u>2/</u> & 4.4.1
After high humidity	4.4.3 and 4.4.1

TABLE IV. End item tests

Characteristic	Test method
Colorfastness:	
To accelerated weathering	5804 <u>1/</u> or 4.4.5
To high humidity	4.4.3
Stiffness, warp only:	
At 70 ± 2°F:	4.4.4.1
At 0 ± 2°F:	4.4.4.2
Adhesion of coating	4.4.6
Blocking	4.4.7
Resistance	
To leakage	4.4.8
To diethyltoluamide	4.4.9
To weathering	5804 <u>1/</u> <u>4/</u> or 4.4.5 <u>4/</u>
To high humidity	4.4.3 <u>4/</u>
Adhesion of seam tape	4.4.10
Color	4.4.11
Spectral reflectance:	
Type I and Type II	4.4.12
Pattern execution	4.4.13
Toxicity	4.4.14
Mildew resistance	4.4.15

- 1/ The face side of the waterproof cloth shall be exposed to the light source. The exposure period in the weatherometer shall be 100 hours. At the end of the accelerated weathering exposure period, each specimen shall be visually examined for colorfastness and for resistance to accelerated weathering and then tested for hydrostatic resistance.
- 2/ Except that the specimen shall be stretched at 20 pounds.
- 3/ "Appreciable change" means a change in color that is immediately noticeable on comparison of the test specimen with the original unexposed sample. If closer inspection or a change of angle of light is required to make apparent a slight change of color, the change is not considered appreciable.
- 4/ At the end of the exposure period, each specimen shall be visually examined to determine if the waterproof cloth has become stiff and brittle or soft and tacky, or if there is evidence of cracking or crazing.

4.4 Methods of inspection.

4.4.1 Hydrostatic resistance. ASTM D-751, Hydrostatic Resistance Procedure A (Pressure Application by Mullen Type Hydrostatic Tester) Procedure 1 with water pressure applied to the face side of the waterproof cloth.

4.4.2 Abrasion resistance. ASTM-D-3886 except that a solid rubber diaphragm 0.030 ± 0.010 inch thick with a nonmetallic contact shall be used. The abradant shall be the face side of the waterproof cloth. The face side of the waterproof cloth specimen shall be abraded 1000

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multidirectional cycles. The specimen shall then be tested for hydrostatic resistance in accordance with 4.4.1 with the abraded portion of the specimen centered in the hydrostatic test area.

4.4.3 Resistance to high humidity. Three 4 by 4-inch specimens shall be laid flat, face side up, on a supporting plate and the assembly placed in a desiccator containing water in the lower portion. The water level shall be approximately 1 inch below the specimens. The lid of the desiccator shall be put in place and the desiccator placed in a circulating air oven having a temperature of $125^{\circ}\text{F} \pm 2^{\circ}\text{F}$ for a period of seven days. At the end of the aging period, each specimen shall be removed from the desiccator, visually examined for colorfastness and for resistance to high humidity and then tested immediately in accordance with 4.4.1.

4.4.4 Stiffness

4.4.4.1. TAPPI Method T-451, Preferred Procedure (1).

4.4.4.2 The stiffness test shall be conducted as specified in 4.4.4.1 except that the apparatus and test specimens shall be subjected to a temperature of $0^{\circ}\text{F} \pm 2^{\circ}\text{F}$ for a period of 4 hours and the test shall be performed in a still atmosphere at that temperature.

4.4.5 Accelerated weathering. AATCC Method 169 except that the deviations shown below shall apply. At the end of the accelerated weathering exposure period, each specimen shall be visually examined for colorfastness and for resistance to accelerated weathering and then tested for hydrostatic resistance.

Deviations to AATCC Method 169:

- a. The test apparatus shall be either test chamber type 1A or IB. Type 1B shall be equipped with a three-tiered inclined specimen rack. The apparatus shall be equipped with an automatic light monitor and shall be capable of automatically controlling irradiance, temperature, and humidity. The apparatus shall be maintained in accordance with the manufacturer's recommendations.
- b. The weathering test cycle shall be 40 minutes of light, 20 minutes of light with water spray on the fabric face, 60 minutes of light, 60 minutes of darkness. The test cycle shall be repeated until the total energy exposure is equal to 100 kilojoules per square meter.
- c. The irradiance level shall be 0.55 ± 0.01 watt/square meter/nanometer ($\text{w}/\text{m}^2/\text{nm}$) bandpass at 340 nanometers.
- d. The glass filter combination shall be a quartz inner filter and a borosilicate type "S" outer filter.
- e. The relative humidity shall be 50 ± 5 percent during the light cycle and not lower than 95 percent during the dark cycle.
- f. The control set points shall be as follows:

	<u>Dark cycle</u>	<u>Light cycle</u>
Black panel	38°C	77°C
Conditioning water	40°C	53°C
Wet bulb depression ^{1/}	0°C	10°C

^{1/} As a guide only; adjust to achieve required relative humidity (see e. above).

- g. The test specimens shall fit smoothly on the specimen rack of the apparatus with no wrinkles or gaps. The test specimen shall be mounted to the outside of the rack with the use of appropriate stainless steel spring clips (see 6.7). After the required exposure period,

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the specimens shall be removed from the apparatus and allowed to dry and condition at Standard Conditions.

NOTE: Monitoring of dry bulb temperature, wet bulb depression, irradiance, and black panel temperature is recommended through the use of chart recorders.

4.4.6 Adhesion of coating. ASTM-D-751, Adhesion of Coating with 2 inch wide reinforced coating adhesion specimens, cyanoacrylate (solventless) adhesive, and pulling clamp speed of 5 mm/s. Three specimens shall be tested by adhering face-to face and three specimens shall be tested by adhering back-to-back.

4.4.7 Blocking. ASTM D-751, Determination of Blocking Resistance of Fabrics Coated with Rubber or Plastics at Elevated Temperatures, except that only one specimen shall be exposed at an oven temperature of 180°F \pm 2°F for 30 minutes.

4.4.8 Resistance to leakage test. ASTM-D-751, Hydrostatic Resistance, Procedure B, (Pressure Application by a Rising Column of Water), Procedure 2 with the hydrostatic head fixed at 50 centimeters and applied to the test specimen for 10 minutes. The back side of the finished cloth shall contact the water. The report shall only include "measurement of the appearance of water drops". Leakage of any specimen shall be considered a test failure. Leakage is defined as the appearance of water at three or more different places within the 4 1/2 inch diameter test area.

4.4.9 Resistance to diethyltoluamide. The diethyltoluamide for use in this test shall conform to type II, concentration A of O-I-503. Three drops of the diethyltoluamide solution shall be placed in the center of a 4 by 8- inch specimen of the finished cloth with the diethyltoluamide solution contacting the face side. The specimen shall be folded to form a 4 by 4-inch square with the face sides contacting each other. The folded specimen shall then be placed between two 6 by 6-inch glass plates and a 4-pound weight placed on the assembly and left at standard conditions for 16 hours. The specimen shall then be removed from between the glass plates, scale rated for blocking as shown in ASTM D-751, Determination of Blocking Resistance of Fabrics Coated with Rubber or Plastics at Elevated Temperatures, except that the specimen shall not be exposed to elevated temperature, and then immediately examined for conformance to the requirements in Table I.

4.4.10 Adhesion of seam tape. The test shall be conducted as follows: A heat seal tape, 1 inch (\pm 1/16 inch) wide shall be heat sealed to the back side of the finished cloth by activating the thermoplastic adhesive layer of the heat seal tape using high temperature air and then immediately plying the tape with the back side of the waterproof cloth (parallel to the warp direction of the waterproof cloth) obtaining intimate contact between the tape and waterproof cloth by passing through pressurized rollers. The use of a flat-faced heated platen-type sealing machine is prohibited. Five specimens shall be prepared; no two specimens shall contain the same warp yarns. Test specimens shall be cooled and conditioned prior to testing for adhesion. The adhesion test shall be conducted in accordance with Method 5962 of FED-STD-191 except that the maximum load of resistance occurring in the 3-inch separation shall be recorded.

4.4.11 Color matching. The color of the waterproof cloth shall match the standard sample when viewed under filtered tungsten lamps that approximate artificial daylight and that have a correlated color temperature of 7500 \pm 200°K, with illumination of 100 \pm 20 foot candles, and shall be a good match to the standard sample under incandescent lamplight at 2300 \pm 200°K.

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4.4.12 Spectral reflectance tests. Spectral reflectance data shall be determined on the face side and shall be obtained from 600 to 860 nm respectively, at 20 nm intervals on a spectrophotometer, relative to a barium sulfate standard, the preferred white standard. Other white reference materials may be used, provided they are calibrated to absolute white; e.g., magnesium oxide, or vitrolite tiles. The spectral band width at 860 nm shall be less than 26 nm. Reflectance measurements shall be made by either the monochromatic or polychromatic mode of operation. When the polychromatic mode is used, the spectrophotometer shall operate with the specimen diffusely illuminated with the full emission of a continuous source that simulates either CIE Source A or CIE Source D65. The specimen shall be measured as a single layer backed with two layers of the same fabric and shade. Measurements shall be taken on a minimum of two different areas, and the data averaged. The measurement areas should be at least 6 inches away from the edges of the finished cloth. The specimen shall be viewed at an angle no greater than 10° from normal, with the specular component included. Photometric accuracy of the spectrophotometer shall be within 1 percent and wavelength accuracy within 2 nm. The standard aperture size used in the color measurement device shall be 1.0 to 1.25 inches in diameter. Any color having spectral reflectance values falling outside the limits at four or more of the wavelengths specified in 3.5.1 for Type I or in 3.5.2 for Type II shall be considered a test failure.

4.4.13 Pattern execution. The pattern on the waterproof cloth shall be matched to the pattern drawing (see 6.4).

4.4.14 Toxicity assessment. The waterproof cloth shall be tested for toxicity as follows:

- a) Title 40, Code of Federal Regulations, 1994 Edition;
Section 798.4100- Dermal Sensitization
Section 798.4470- Primary Dermal Irritation
Section 798.4500- Primary Eye Irritation
Marzulli, F. & H. Maibach, "Contact Allergy: Predictive Testing in Humans",
Advances in Modern Toxicology, Volume 4, pp 353-372, 1977.
- b) As an alternative to animal and human testing, the contractor may provide information which certifies that the finished product was composed of chemicals or materials which have been safely used commercially where prolonged skin contact has occurred.

4.4.15 Mildew resistance. ASTM G-21.

5. PACKAGING

5.1 Packaging. For acquisition purposes, the packaging requirements shall be as specified in the contract or order (see 6.2). When actual packaging of materiel is to be performed by DoD personnel, these personnel need to contact the responsible packaging activity to ascertain requisite packaging requirements. Packaging requirements are maintained by the Inventory Control Point's packaging activity within the Military Department System Command. Packaging data retrieval is available from the managing Military Department's or Defense Agency's automated packaging files, CD-ROM products, or by contacting the responsible packaging activity.

6. NOTES

(This section contains information of a general or explanatory nature that may be helpful, but is not mandatory.)

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6.1 Intended use. The waterproof cloth is intended for use in the fabrication of wet weather parkas and trousers.

6.2 Acquisition requirements. Acquisition documents must specify the following:

- a. Title, number, and date of this specification.
- b. Type required (see 1.2).
- c. Issue of DODISS to be cited in the solicitation, and if required, the specific issue of individual documents referenced (see 2.2.1 and 2.3).
- d. When first article is required (see 3.1, 4.3, and 6.3).
- e. Width required.
- f. Levels of preservation and packing (see 5.1).

6.3 First article. When a first article is required, it should be inspected and approved under the appropriate provisions of FAR 52.209. The first article should be a preproduction sample. The contracting officer should specify the appropriate type of first article and the number of units to be furnished. The contracting officer should include specific instructions in all acquisition instruments regarding arrangements for selection, inspection, and approval of the first article.

6.4 Standard sample and pattern drawing. For access to the shade sample (see 3.2) and the Woodland Camouflage pattern drawing (see 3.6), if applicable, address the contracting activity issuing the invitation for bids.

6.5 Subject term (key word) listing.

Camouflage
Parka
Trousers
Wet Weather clothing system
Woodland

Custodians:
Army - GL
Navy - NU
Air Force - 99

Preparing activity
DLA-CT

(Project 8305-0612)

Review activities:
Army - MD
Navy - MC
Air Force 82

STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

INSTRUCTIONS

1. The preparing activity must complete blocks 1, 2, 3, and 8, both the document number and revision letter should be given.
2. The submitter of this form must complete blocks 4, 5, 6, and 7.
3. The preparing activity must provide a reply within 30 days from receipt of the form.

NOTE: This form may not be used to request copies of documents, nor to request waivers, or clarification of requirements on current contracts. Comments submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or to amend contractual requirements.

I RECOMMEND A CHANGE:**1. DOCUMENT NUMBER**

MIL-PRF-43906D

2. DOCUMENT DATE (YYMMDD)

96-09-30

3. DOCUMENT TITLE

CLOTH, NYLON, WATERPROOF

4. NATURE OF CHANGE *(Identify paragraph number and include proposed rewrite, if possible. Attach extra sheets as needed.)***5. REASON FOR RECOMMENDATION****6. SUBMITTER**a. NAME *(Last, First, Middle Initial)*

b. ORGANIZATION

c. ADDRESS *(Include Zip Code)*d. TELEPHONE *(Include Area Code)*

(1) Commercial

7. DATE SUBMITTED

(YYMMDD)(2) AUTOVON
*(If applicable)***8. PREPARING ACTIVITY**

a. NAME

b. TELEPHONE *(Include Area Code)*

(1) Commercial

(2) AUTOVON

c. ADDRESS *(Include Zip Code)***IF YOU DO NOT RECEIVE A REPLY WITHIN 45 DAYS, CONTACT:**

Defense Quality and Standardization Office
 5203 Leesburg Pike, Suite 1403, Falls Church, VA 22041-3466
 Telephone (703) 756-2340 AUTOVON 289-2340