MILITARY SPECIFICATION

JACKET, COLD WEATHER

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

1. SCOPE

1.1 Scope. This specification covers one type of intermediate jacket designated type MA-1 and furnished in the following sizes, as specified (see 6.2).

Size

Small
Medium
Large
Extra, large
Extra, extra, large

2. APPLICABLE DOCUMENTS

* 2.1 Government documents.

2.1.1 Specifications and standards. The following specifications and standards form a part of this specification to the extent specified herein. Unless otherwise specified, the issues of these documents shall be those listed in the issue of the Department of Defense Index of Specifications and Standards (DODISS) and supplement thereto, cited in the solicitation.

SPECIFICATION

FEDERAL

DDD-L-20	Labels for clothing, Equippage and Tentage (General use).
V-F-106	Fasteners, Slide, Interlocking.
V-T-276	Thread, Cotton.
V-T-295	Thread, Nylon.
CCC-C-426	Cloth, Cotton, Drill.

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: the Engineering Division, San Antonio ALC/MMEDO, Kelly AFB, TX 78241 by using the self addressed Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

AMSC N/A FSC 8415

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CCC-C-440	Cloth, Cheesecloth, Cotton, Bleached and Unbleached.
PPP-B-601	Box, Wood, Cleated-Plywood.
PPP-B-636	Box, Shipping, Fiberboard.
KK-L-2004	Leather, Cattle Hide, Deerskin and Horsehide Chrome Tanned.

MILITARY

MIL-C-3735	Cuffs, Knit, Wrist and Ankle, and Cloth, Knitted
MIL-C-4294	Cloth, Twill, Nylon.
MIL-F-10884	Fasteners, Snap.
MIL-C-11065	Cloth, Flannel, Wool and Nylon, 16 Ounce, Shrink Resistant.
MIL-B-41826	Batting, Synthetic Polyester.

STANDARDS

FEDERAL

FED-STD-191	Textile Test Methods.
FED-STD-751	Stitches, Seams, and Stitchings.

MILITARY

MIL-STD-105	Sampling Procedures and Tables for Inspection by Attributes.
MIL-STD-129	Marking for Shipment and Storage.
MIL-STD-147	Palletized Unit Loads
MIL-STD-2073	DOD Material, procedures for development and application of packaging requirements.

* 2.1.2 Other Government documents, drawings, and publications. The following other Government documents, drawings, and publications form a part of this specification to the extent specified herein.

DRAWINGS

AIR FORCE

53B20979	Jacket, Intermediate, Type MA-1.

* (Copies of specifications, standards, drawings, and publications required by contractors in connection with specific acquisition functions should be obtained from the contracting activity or as directed by the contracting officer.)

* 2.2 Other publications. The following document(s) form a part of this specification to the extent specified herein. Unless otherwise specified, the issues of the documents which are DOD adopted shall be those listed in the issue of the DODISS specified in the solicitation. Unless otherwise specified, the issue of documents not listed in the DODISS shall be the issue of the nongovernment documents which is current on the date of the solicitation.

COLOR ASSOCIATION OF THE UNITED STATES, INC.

Standard Color Card of America

(Copies may be obtained from Color Association of the United States, Inc., 200 Madison Avenue, New York, NY 10016.)

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Rules and Regulations Under the Wool Products Labeling Act of 1939

(Applications for copies should be addressed to the Superintendent of Documents, Government Printing Office, Washington, DC 20402.)

AMERICAN SOCIETY FOR TESTING MATERIALS STANDARD

ASTM D 3951 Standard Practice for Commercial Packaging

(Application for copies of this ASTM should be addressed to American Society for Testing Materials, 1916 Race Street, Philadelphia PA 19103)

2.3 Order of precedence. In the event of a conflict between the text of this specification and the references cited herein (except for associated detail specifications, specification sheets or MS standards), the text of this specification shall take precedence. Nothing in this specification, however, shall supersede applicable laws and regulations unless a specific exemption has been obtained.

3. REQUIREMENTS

3 1 Guide samples. Guide samples, when furnished, are solely for guidance and information to the contractor (see 6.3). Variation from the specification may appear in the sample, in which case, the specification shall govern.

3.2 Materials.

3.2.1 Outer shell. The material for the outer shell shall conform to type II, class C of MIL-C-4294; except that the pH of the water extract shall be between match 5.5 and 9.5. The color (shade) of the outer-shell material shall be sage green USAF color shade No. 1151 (see 6.3).

3.2.2 Interlining and protective fly. The material for the lining and the protective fly shall be batting, synthetic fibers: Polyester, quilted, type IV, class 3, style A of MIL-B-41826, except that the covering material for the ace side shall be, cloth, nylon twill, type I, class A of MIL-C-4294. The covering material for the back side shall conform to type I, class 2 of CCC-C-440. The pH of water extract for the type I, class A material of MIL-C-4294 shall be between 5.5 and 9.5. The finished material shall show good fastness to prespiration, dry cleaning, and light properties (10 standard fading hours) when test as specified. The color shall be sage green.

3.2.3 Pockets.

3.2.3.1 Outside pockets. The pocketing used for the outside poskets shall conform to MIL-C-11065, shade OG108 (see 6.3).

3.2.3.2 Inside pockets. The pocketing used for the inside pockets shall conform to type I, class 2 of CCC-C-426.

3.2.4 Wristlets, waistbands, and collar. The wristlets, the waistband, and the collar shall be fabricated from knit wool conforming to MIL-C-3735. The collar and the waistband shall be type I, class 3, and the wristlets shall be type I, class 2, size 2. The width of the waistband shall be as specified in Table I. The color (shade) of the knit wool shall match sage green USAF color shade No. 1525 (see 6.3).

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TABLE I. Width of waistband (inches)

Jacket	Width in the direction of cources	Tolerance plus or minus
Small	24	½
Medium	25	½
Large	26	½
Extra Large	27	½
Extra extra large	28	½

3.2.5 Leather. The leather used for the slide fastener pull tab shall be chrome-tanned horsehide leather conforming to type III, class 2, 1½ to 3½ ounces of KK-L-2004. The color of the leather tab shall be black.

3.2.6 Snap fastener. The snap fasteners shall conform to style 2 finish 2 of MIL-F-10884. The color of the visible portion of the fastener shall match the color (shade) of the outer-shell fabric, except that the accelerated weathering test for enamel is not required.

3.2.7 Thread. Unless otherwise specified, the thread for all sewing shall conform to type I or type II, class 1, size B or E of V-T-295. The thread for the outer shell shall be dyed to match the shade of the outer shell material (see 3 2 1) The thread for the lining shall be dyed to match the color of the lining material (see 3.2.3). The topstitching around the outer edge of jacket and around the knitted area, when stitching is through the lining, shall be with the top and lower threads of the same shade as the outside. The thread shall show good colorfastness to light at 10-standard fading hours and good colorfastness to wet dry cleaning prespiration. The color of the thread shall be a good approximation to the approved shade for the component material.

3.2.7.1 Knitted fabric. For attaching and topstitching the knitted fabric, cotton thread conforming to type IA3, ticket No. 30, 3 ply of V-T-276 may be used and shall match sage green USAF color shade No. 1511 (see 6.3).

3.2.8 Slide fasteners. Slide fasteners shall conform to tables II and III herein and to V-F-106. The chain shall be brass, aluminum, or zinc alloy, with a short pull tab to accommodate a 3/8 inch thong. The tape shall be cotton or cotton warp and nylon filling. The finish of the metal parts shall be a clear chromate or olive drab chromate finish if the chain is zinc alloy, black chemical finish if brass, and chemically colored finish if aluminum. The length of the slide fastener for the front opening shall conform to table III herein.

TABLE II. Slide fasteners.

*	Location	Type	Style	Size	Length (inches)
	Front opening	IV	4	MHS	See table III
	Cigarette pocket	I	3	LMS*	5 (plus or minus ½)

The tape shall be 9/16 inch (plus or minus 1/32 inch) wide.

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TABLE III. Length of front slide fastener.

Size	Length (inches) (±1 inch)
Small	22
Medium	22-½
Large	23
Extra Large	23-½
Extra extra large	24

* 3.2.8.1 Color of tape. The color (shade) of the tape shall be sage green to match USAF color shade No. 1511 (see 6.3). The colored tape shall show at least fair colorfastness to light and perspiration and good colorfastness to weathering only.

3.2.9 Pencil point protector. A suitable metal or plastic point protector shall be placed in the pencil pocket at the bottom of each of the small sections.

3.3 Color. Unless otherwise specified, the color of the component materials of the jacket shall be an approved, reasonable, and practical match to sage green USAF color shade No. 1511 (see 6.3).

3.4 Design. The jacket shall be single breasted and shall be a nylon, sage green color outer shell with a nylon lining and shall be lined with quilted polyester batting. The jacket shall have a straight, front, center opening with a slide fastener closure on the left sleeve. The collar, the waistband, and the sleeve terminals shall be knit wool. The jacket shall have two, welttype, slash pockets and flaps with snap fastener closures on the outside.

3.5 Construction. The jacket shall be constructed in accordance wtih Table IV, but the manufacturer is not required to follow the exact sequence of operations as listed herein.

3.5.1 Stitches, seams, and stitchings. Stitches, seams, and stitchings shall conform to FED-STD-751. Whenever two or more methods of seaming or stitch types are specified for the same operation, any one of them may be used. When stitch type 401 is used, the looper (underthread) shall be on the inside of the jacket.

3.5.1.1 Thread breaks and ends of seams. Ends of all seams and stitchings, when not caught in other seams and stitching, shall be securely backstitched not less than ½ inch. Thread breaks (all stitch types) shall be secured by stitching back of break ½ inch. Skipped stitches or thread breaks (stitch type 401) may be repaired, using stitch type 301.

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TABLE IV. Sewing operations.

No	Description of operation	Stitch type	Seam and stitching type	Stitches per inch
1	Cutting. Cut the jacket in accordance with patterns that show size, shape, placement of pockets, and notches for proper assembling of all parts. The contractor shall replace at the time of cutting any part containing shade bars, holes, or weakening defects such as smashes, multiple floats, and loose slubs, likely to develop in a hole. Any part damaged during the manufacturing process by needle chews that may be expected to develop into a hole, scissor or knife cuts, tears, holes, mends, or burns shall be replaced. a. Other shell. Cut the nylon fabric face up or down (each ply of material shall be laid with the face of the cloth against the back of the next ply), or as an alternate method, the cloth may be laid face to face when material is spread face up, no stain-producing marking agent shall be used in marking the top ply. The finished jacket shall have the face side of the outer-shell material on the outer side of the jacket. The insides of the roll shall be considered the face side of material. b. Except for the pocket facings hanger and flap linings, cut the component parts of the outer shell from one piece of material. c. Interlining Cut the quilted polyester batting in strict accordance with patterns furnished. d Patterns shall be laid in accordance with directional lines indicated on the patterns in the warp (lengthwise) direction of the fabric for each component part of the jacket			

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TABLE IV. Sewing operations - Continued

No.	Description of operation	Stitch type	Seam and stitching type	Stitches per inch
2.	Shade marking. Except for those parts cut from ends as indicated in operation No. 1, all component pasrts shall be marked or ticketed to insure a uniform shade throughout the jacket.			
3.	Make pocket flaps. The finished flaps shall measure 7½ + ¼ inches long by 2 3/8 +1/8 inches wide at the widest point. The flaps shall incorporate a button snap and socket, reinforced with basic material, located at the center of the flaps and 3/4 inch from the edge. The reinforced piece shall measure approximately 1½ inches square.			
	a. Sew the flaps to the flap lining, with a single row of stitching, ¼ inch from the edge catching the reinforcement piece. The reinforcement piece shall be centered between the inner and outer ply.	301	SSe-1(a)	12
	b. Turn the flaps and raise stitch with a single row of stitching, 3/16 inch from the edge.	301	SSe-2(b)	12
4.	Make pockets. The two front pockets shall be flap and welt type. The welt shall measure 7/8 inch +1/8 inch wide. The depth of the pocket shall be not less than 7½ inches +¼ inch, measured at center. The pocket opening shall be within 7½ +¼ inches.			
	a. Turn under the inner edge of the welt and the facing pieces and sew to the wool-napped side of the pocketing, with a single row of stitching, catching the top of the label in the welt seam. Stitch the lable on the other three sides, or the label may be sewn along all edges with a single row of stitching approximately 1/16 inch from the edge to the inside pocketing matertial directly below the pocket Sew the flaps on the front at the drill marks, with a single row of stitching.	301	LSd-1 and LSa-1	12

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TABLE IV. Sewing operations - Continued.

No	Description of operation	Stitch type	Seam and stitching type	Stitches per inch
	b. Sew the two pieces of the pocketing on the fronts, at the drill marks, with a single row of stitching at each end of the pocketing	301	SSa-2	12
	c. Cut the opening for the pockets, tongue notching each end.			
	d. Turn the pocketing through the slit, double over at the front edge for reinforcement to form a 7/8 inch welt. Raise stitch the bottom of the welt through the front and the pocketing, with a single row of stitching, 1/16 inch from the edge.	301	LSq-2	12
	e Seam the tongues at the ends on the inside through the welt and the facing with a single row of stitching.	301	SSa-1	12
	f. Raise stitch seam joining facing to the opening and ends of the opening through the front pocket, with a single row of stitching, 1/16 inch from the edge.	301	LSq-2(b)	12
	g. Sew around the pocketing, with a single row of stitching, ½ inch from edge.	301	SSa-1	12
	h Bartack the corners of each pocket opening, with a 7/8 inch bartack.	Bartack		28 per bartack
	i. Stamp the button and the socket centered with a 1/8 inch tolerance and 3/4 inch from the edge on the pocket flap Stamp the stud and the eyelet on the jacket to correspond with the button snap on the flap.			
5.	Make Backs - outer shell.			
	a. Fold and sew the darts on the back of the shoulder, in accordance with the notches and the drill marks, with a single row of stitching.	301	OSf-1	12

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TABLE IV. Sewing operations - Continued

No.	Description of operation	Stitch type	Seam and stitching type	Stitches per inch
	b. Turn and raise the darts, with a single row of stitching, 1/16 inch from the edge, with the creased edge toward the center of the back, on the inside.	301	Lsq-(2b) (shows finished seam)	12
6.	Pencil and cigarette pocket. The pocket shall be made of outer-shell material and shall consist of a bellows-style, cigarette compartment with a vertical fastener closure on the forward side the full length of the pocket and pencil compartment with four openings shall be 7/8 inch ±1/8 inch wide. The cigarette pocket shall finish 5 3/4 inches ±¼ inch long and 3½ inches ±¼ inch wide, including the slidefastener tape.			
	a. Hem the top opening of the pencil compartment in accordance with notches, and sew with a double row of stitching, ¼ inch gage 1/16 to 1/8 inch from the top edge.	301	EFa-2	12
	b. Fold the pencil pocket at thelower notches to form the two lower openings, and sew with a double row of stitching ¼ inch gage, 1/16 to 1/8 inch from the edge.	301	OSf-2	12
	c. Fold the opening to the center notches - tacking each edge with a single row of stitching is optional.	301	SSa-1	12
	d. Slit to the fold through the center to make the pencil pass-through, or the pencil pocket may be made in two pieces.			
	e. Join the pencil compartment to the cigarette compartment, with a double row of stitching, ¼ inch gage, 1/16 to 1/8 inch from the edge, along both sides in accordance with the notches and the drill marks, with the bottom edges even.	301	LSd-2	12

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TABLE IV. Sewing operations - Continued

No.	Description of operation	Stitch type	Seam and stitching type	Stitches per inch
f.	Place a single row of stitching, between the front and the back edges, the entire length of the pencil compartment, to separate the openings.	301	SSv-1	12
g	Bartack the top ends of all pencil compartment openings with bartacks superimposed on the inner row double stitching and on the center row of stitching. Bartacks shall be 3/8 to ½ inch long.	304		28 per bartack
h.	Form a 3/4 inch bellows by joining the two bottom corners, with a single row of stitching, ¼ inch from the edge.	301	SSa-1	12
i.	Attach the slide-fastener tape to the forward side of the pocket with a ¼ inch seam. The slide shall be at the top of the pocket when the fastener is closed.	301	LSq-2(a)	12
j.	Raise stitch with a single row of stitching, 1/16 inch from the edge, on the pocket.	301	LSq-2(b)	12
NOTE:	In lieu of operations 6i and 6j, the front edge of the pocket may be folded under ¼ to 3/8 inch and stitched to the back of the slide-fastener tape 1/16 inch from the folded edge. The slider shall be at the top of the pocket when the fastener is closed. Use stitch type 301, seam and stitching type LSb-1, and 12 stitches per inch.			
k.	Position the front edge of the slide-fastener tape to the left sleeve at the drill marks; turn the raw edge of the pocket ¼ inch, and stitch to all sides with a single row of stitching, 1/16 inch from the edge. The fastener tape shall be turned under at the top and the bottom ends only.	301	LSd-1 and LSa-1	12

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TABLE IV. Sewing operations - Continued.

No.	Description of operation	Stitch type	Seam and stitching type	Stitches per inch
	(1) A second row of stitching shall be placed ¼ inch from the front edge of the tape and across the top of the pocket.	301	SSv-1	12
7	Join sleeves.			
	a. Join the outseam and inseam of sleeve, with the top sleeve oroverlapping the undersleeve, with a double lapped seam with a double row of stitching ¼ inch to 5/16 inch gage, 1/16 inch from folded edge.	301 401	LSC-2	12
	b Sew the prefolded, knit wristlets to the bottom of the sleeves, with a single row of stitching, ½ inch from the edge, or the wristlets may be attached to the bottom of the sleeve with a single row of overedge stitching ½ inch from edge.	301 or 501	SSa-1	6 to 10
8.	Join side seams.			
	a. Join the side seams, with a single row of stitching, ½ inch from the edge.	301	LSq-2(a)	12
	b. Turn and raise the side seams, with a single row of stitching, ¼ inch from the seamline with the back overlapping the front.	301 or 401	LSq-2(b)	12
	c. Join the shoulders, with a single row of stitching, ½ inch from the edge.	301	LSq-2(a)	12
	d. Turn and raise the shoulders, with a single row of stitching, ¼ inch from the edge, the back overlapping the front.	301 or 401	LSq-2(b)	12
	e. Join the sleeves to the armholes, with a single row of stitching, ½ inch from the edge.	301	LSq-2)a)	12

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TABLE IV. Sewing operations - Continued

No	Description of operation	Stitch type	Seam and stitching type	Stitches per inch
	f Turn the raise the armhole from the elbow seam to the front armhole notch, with a single row of stitching, ¼ inch from the seamline, with the body overlapping the sleeve or (a through c) join the side seams and the shoulder seams with the back overlapping the fronts, with double-lapped seams sewn with a double row of stitching, ¼ inch to 5/16 inch gage, 1/16 inch from folded edge. Use stitch type 301 or 401 seam and stitching type LSC-2, and 12 stitches per inch.	301	LSq-2(b)	12
9.	Attach knit bottom band.			
	a. Sew the fabric pieces to each end of knit waistband material on the open with a single row of stitching ½ inch from the edge.	301	LSq-2(a)	6 to 10
	b Turn and raise the seam, with a single row of stitching, ¼ inch from the seamline on fabric pieces.	301	LSq-2(b)	6 to 10
	c. Attach the knit bottom band. Fold the knit bottom band lengthwise and stitch plies of the knit band to the bottom of the outer shell, with a single row of stitching, ½ inch from the edge. The stitching shall start and finish approximately 1½ inches from the knit facing extension seam, continue stitching of the bottom outer shell to one ply of the knit facing extension pieces.	301	SSa-1	6 to 10

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TABLE IV. Sewing operations - Continued.

No.	Description of operation	Stitch type	Seam and stitching type	Stitches per inch
10.	Slide fastener.			
	a. Attach the slide fastener to the right and the left front edges of the outer shell at the notches, with a single row of stitching, 3/8 inch from the edge. The slide fastener tape shall be exposed 3/8 inch (plus or minus 1/8 inch), in the finished jacket.	301	SSa-1	12
	b. When attaching the slide fastener, tape at the top shall be turned and finished with no raw edges exposed. The slide fastener tape shall be attached without excessive length of tape put in at any point. The finished bottom of the jacket shall be even on the right and left fronts.			
	c. Position the leather thong in the hole in the slider (outershell side) and sew around the top, the bottom, and the sides, with a single row of stitching, 1/8 inch from the edge, or the leather thong shall be securely stitched with a crossed box stitch or a triangular stitching with an automatic machine may be used.	301 box stitch (automatic machine)	SSa-1	10 28 stitches minimum
11	Inner fly. Fabricated the protective fly from one ply of the outershell material and one ply of quilted lining material.			
	a. Join the outer shell lining with a single row of stitching, ½ inch from the edge, on the top, along the outer side and the bottom.	301	SSe-2(a)	12
	b. Turn and edge stitch with a single row of stitching, ¼ inch from the edge, on the top, the bottom and outer side. The inner raw edge may be sewn with a single row of stitching ¼ inch from the edge.	301	SSe-2(b)	12

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TABLE IV. Sewing operations - Continued.

No.	Description of operation	Stitch type	Seam and stitching type	Stitches per inch
	c. Quilt the fly through and through, with a single row of diagonal stitching, approximately 3 inches apart or quilt the fly through and through with four rows of parallel stitching.	301	SSv-1	12
12.	Join protective fly. Sew the protective fly to the right forepart of the outer-shell front, with a single row of stitching, 3/8 inch from the edge, attaching at the exact location used for the slide fastener.	301	SSa-1	12
13.	Collar. Fold the wool-knitted collar and sew both raw edges to the neck of the outer shell with a single row of stitching ½ inch from the edge. Each front edge of the wool-knit collar shall finish even with each front edge of the finished jacket front seam.	301	SSa-1	6 to 10
14.	Backs, linings.			
	a. Sew the darts in the back of the shoulders in accordance with the notches and the drill marks, with a single row of stitching.	301	SSz-3(a)	12
	b. Spread seams open and stitch 1/8 inch on each side of the seam.	301 or 401	SSz-3(b)	12
	c. Make hanger and attach hanger. Make hanger from sage green lining material. The finished hanger shall be ½ inch wide by 3½ inches long. Position the hanger at the center of the neck, approximately 1 inch below the neck seam on the inner lining, and sew through the inner lining and the lining only, with a double row of stitching, ¼ inch apart at each end or bartack at each end may be used in lieu of stitching with the ends turned under.	301 Bar-tack	FFp-2 LSd-1 LSd-2	12 and 28 per Bartack

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TABLE IV. Sewing operations - Continued.

No	Description of operation	Stitch type	Seam and stitching type	Stitches per inch
	d. Position the top of the combination label directly below the hanger and stitch on all four sides.			
15.	Sleeve, lining.			
	a. Join the elbow seam, with a single row of stitching, ½ inch from the edge.	301	SSZ-3(a)	12
	b Spread the elbow seam open and stitch 1/8 inch on each side of the seam.	301 or 401	SSz-3(b)	12
	c Spread the inseam open and stitch 1/8 inch on each side of the inseam.	301 or 401	SSz-3(b)	12
16.	Joining lining.			
	a. Join the side seam, with a single row of stitching ½ inch from the edge.	301	SSz-3(a)	12
	b. Raise the side seam open, 1/8 inch on each side seam.	301	SSz-3(b)	12
	c. Join the shoulders, with a single row of stitching, ½ inch from the edge.	301		
	d. Raise the shoulder seam open, 1/8 inch on each side of the seam.	301	SSz-3(b)	12
	e. Join the sleeves to the armhole, with a single row of stitching ½ inch from the edge	301	SSa-1 SSz-3(a)	12
	f. Spread the seam open on the armhole across the top and stitch 1/8 inch on each side of the seam from the elbow seam to the inseam with a single-needle or a double-needle machine	301	SSz-3(b)	12

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TABLE IV. Sewing operations - Continued.

No.	Description of operation	Stitch type	Seam and stitching type	Stitches per inch
	g. Raise stitch the remainder of the armhole seam, with single row of stitching, 1/8 inch from the seamline, with the seam turned away from the sleeve, or the armhole may be raise stitched; with a double-needle operation, except the section of the undersleeve where quilted polyester batting lining is missing, or sleeve seams, shoulder seams, side seams, and sleeve setting may be performed on a safety stitch machine which joins and overlocks in one operation.	301 or 401	LSq-2(b)	12
17.	Join linings to outer shell.			
	a. Join the linings to the outer shell at the wrist with a single row of stitching, ½ inch from the edge.	301	SSa-1	6 to 10
	b Join the bottom of the lining to the unsewn portion of the knit waistband and knit facing extension piece; continue stitching to the bottom of jacket with seam ½ inch from edge.	301	SSa-1	6 to 10
	c. Sew the front edges of the outer shell to the linings from the neck to the bottom with a single row of stitching, 3/8 to ½ inch from the edge, leaving an opening on the right front edge for turning of jacket.	301	SSa-1	12
	d. Join the linings to the outer shell around the neckline, with a single row of stitching, ½ inch from the edge.	301	SSa-1	6 to 10
	e. Tack the lining to the outer shell at the armhole through the outer shell and the lining for a distance of approximately 1 inch on the front starting at the side seams, or a 7/8 inch bartack may be used. Use stitch type 301, seam and stitching type SSA-1, and 12 stitches per inch, or use stitch type bartack and 28 stitches per bartack.			

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TABLE IV. Sewing operations - Continued.

No.	Description of operation	Stitch type	Seam and stitching type	Stitches per inch
18.	Invert. Turn the jacket right side out.			
19.	Finishing Raise the front edges of the jacket, the collar joining seam, the sleeve terminals above wristlets, and across the bottom above the waistband, with a single row of stitching, ¼ inch from the seamline. The raw edges of the right lining front at the opening for turning shall be turned under 3/8 inch and caught in the raising operation.	301	SSe-2(b) and SSq-2(b)	12
20.	Final preparation. All threads shall be trimmed, and loose thread ends shall be removed. Remove all spots, stains, and shade tickets. Shade tickets shall be removed without damaging the fabric.			
21.	Sewing tolerances. The sewing tolerances shall be plus 0, minus 1/16 inch for ¼ inch gage seams, plus 1/32, minus 0 inch for 1/16 inch fromt he edge, plus 0, minus 1/8 inch for 5/16 and ½.			

3.5.1.2 Stitches per inch. Unless otherwise specified, a tolerance of plus 2 or minus 1 stitch per inch will be permitted.

3.6 Patterns. The manufacturer's working patterns shall be identical in size and shape to the patterns referenced on drawing 53B20979.

* 3 6 1 Pattern parts. The components of the jacket shall be cut from materials specified according to pattern parts required.

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Pattern	No. required	Material
Front	2	cloth, nylon type II
Back	1	class C
Topsleeve	2	
Undersleeve	2	
Cigarette pocket	1	
Pocket welt	2	
Pocket facing	2	
Pocket flap	4	
Outer pocket welt	4	
Front belt extension	2	
Protective fly	1	
Pencil pocket	1	
	No pattern furnished	
Outer pocket (large portion)	2	cloth, wook nap
Outer pocket (small portion)	2	back, synthetic
Collar	1	fiber face, type II
Front	2	cloth, wool knitted
Back	1	interlining,
Undersleeve	2	polyester quilted
Topsleeve	2	batting
Protective fly	1	
Front	2	cloth, nylon, type
Back	1	I, class A
Undersleeve	2	
Topsleeve	2	
Pocket welt	2	
Pocket facing	2	
Protective fly	1	

3.7 Finished measurements. The finished measurements of the jacket shall be as specified in Table V.

3.8 Label. Each jacket shall have a combination identification size and instruction label. The label shall conform to type VI, class 14, of DOD-L-20 except that it shall have the following inscription:

Jacket, intermediate, MA-1
MIL-J-8279G Size *
Stock no. *
Contract and date *
Manufacturer's name and trademark *
Wool products label information *
Dry clean only

*The manufacturer shall insert the applicable data.

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TABLE V. Finished measurements (inches).

	Size					Tolerance	
Measurement	Small	Medium	Large	Extra large	Extra extra large	Plus	Minus
Back length	22	22 ½	22 7/8	23	23 ½	3/8	5/8
½ chest	24	26	28	30	32	3/4	3/4
½ bottom	21 ½	23 ½	25 ½	17 ½	20 ½	3/4	3/4
Sleeve inseam	16 1/8	16 3/8	16 5/8	16 7/8	17 1/8	½	½

NOTE:

The measurement of the back length shall be taken at the center of the back from the bottom of the undercollar to the seam at the bottom above the knit.

The measurement of the front legnth shall be taken along the front edge from the bottom of the neckhole to the seam above the knit.

The measurement of the ½ chest shall be taken, with the jacket zipper closed, from folded edge to folded edge at the armhole base.

The measurement of the ½ bottom shall be taken, with the jacket zipper closed, from folded edge to folded edge at the bottom above the knit.

The measurement of the sleeve inseam shall be taken along the underarm seam from armhole to seam above the knit.

3.8.2 Wool content information. Each jacket shall be marked in accordance with the Wool Products Labeling Act of 1939. The information may be included in the contractor's label.

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3.9 First Article. When required, the supplier shall furnish a first article for testing and appoval (see 4.4 and 6.2).

3.10 Workmanship. The jacket shall be constructed in a thoroughly workmanlike manner. The finished jacket shall be clean and free from any defects that might affect appearance or functionability.

4. QUALITY ASSURANCE PROVISIONS

4.1 Responsibility for inspection. Unless otherwise specified in the contract, the contractor is responsible for the performance of all inspection requirements as specified herein. Except as otherwise specified in the contract, the contractor may use his own or any 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 specification where such inspections are deemed necessary to assure supplies and services conform to prescribed requirements.

4.1.1 Responsibility for compliance. All coats shall meet all requirements of sections 3 and 5. The inspection 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 requirements of the contract. Sampling conformance does not authorize submission of known defective material, either indicated or actual, nor does it commit the Government to acceptance of defective material.

4.2 Classification of inspections The inspection requirements specified herein are classified as:

a. First article inspection (see 4.4).

b Quality conformance inspection (see 4.5).

4.3 Inspection for acceptance. Unless otherwise indicated hereinafter, sampling for inspection shall be in accordance with MIL-STD-105.

4.4 First article inspection. When a first article is required (see 6.2) it shall be tested as specified in para 4.5.2. No defect shall be permitted in the first article.

4 5 Quality conformance inspection. Unless otherwise specified, sampling for inspection shall be in accordance with MIL-STD-105.

4.5.1 Testing of components. Except that this specification shall govern in the event of conflict, testing of components shall be made in accordance with applicable subsidiary specifications and drawings referenced herein to the extent applicable

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4.5.1.1 Sample for testing. Unless specifically requested by the Government, Government-furnished materials shall not be sampled or tested. The sample unit for testing each component shall be the quantity necessary to perform all required tests one time each. The inspection level for each component shall be S-1 of MIL-STD-105. The acceptable quality level for each characteristic tested shall be 4.0 defects per 100 units. Unless a component is covered by a subsidiary specification that specifies the inspection level and the acceptable quality level for testing, the inspection level shall be S-1 of MIL-STD-105, and the acceptable quality level shall be 4.0 defects per 100 units.

4.5.1.2 Testing criteria. The unit for expressing the lot size and the sample unit for testing each component shall be in accordance with applicable specifications and Table VI.

TABLE VI. Lot size and sample unit.

Component	Lot size expressed as	Sample unit for testing
Leather	sides	1 piece, 12 by 12 inches
Thread	one cone or spool or one dozen bobbins	one cone or spool or as sufficient number of bobbins to total 360 yards.

* 4.5.2 Examination of end item. The end item shall be examined for defects. Except for those defects with an asterisk in the classification column, all defects found during examination shall be classified in accordance with 4.2.2.1, 4.2.2.2, and 4.2.2.3. Defects with an asterisk in the classification column shall be classified as a major defect when affecting appearance or serviceability seriously and as a minor defect when affecting appearance or serviceability, but not seriously.

4.5.2.1 General defects. General defects shall be classified as follows:

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	Classification		
		Minor	
	Major	A	B
1. Material defects and damages. Material defects that are weakening or nonweakening conditions but that are inconspicuous and have a negligible affect on serviceability shall be classified as Minor B defects. When the condition of a material defect or workmanship damage is one that definitely weakens the material or when it is so conspiciously located as to be clearly noticeable, the material defects and workmanship damages shall be classified as follows:			
a. Any weakening defect, such as a smash, multiple float, loose slub, or needle chew that may develop into a hole.		*	
b. Any hole.		*	
c. Shade bar or unsightly slub.		*	
- on outside - on inside			X
d. Cut, tear, mend, or burn.		*	
e. One or more exposed drill holes.		*	
2. Shaded parts (outside).			
a. Outside parts badly shaded, affecting appearance.	X		
b. Inside parts badly shaded			X
3. Cleanness.			
a. Spots or stains		*	
b Thread ends not trimmed or loose threads not removed.			X
c. One or more shade tickets not removed.			X
d Shade stamp marking exposed on outside of garment.		X	
4. Cutting. Any component not cut in conformance with directional lines indicated on patterns or not in accordance with specification requirements.			
- outside part	X		
- hidden or inside parts			X

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	Classification		
		Minor	
	Major	A	B
5. Components and assembly.			
a. Any defective component.		*	
b. Any component part omitted.		*	
c. Any required operation omitted or improperly performed.		*	
6. Shades and stitching.			
a. Accuracy of seaming.			
(1) Seams twisted, puckered, or pleated, affecting appearance.		*	
(2) Thread break(s) or end(s) of stitching (stitch type 301) not backstitched when not caught in other seams or stitching.			X
(3) Thread(s) not same shade or not satisfactorily matching shade of garment, affecting appearance.		X	
b. Gage of stitching (edge, top, or raise stitching).			
(1) Irregular, for example, unevenly gaged or corresponding stitchings not uniformly gaged, affecting appearance.		X	
(2) Not within range or gage specified or varies more than 1/16 inche when no range is specified.			X
c. Open seam. A break in a line of stitching or continuous skipped or run-off stitches (except on edge top, or raise stitching) constitute an open seam.			
(1) On outside of jacket.			
- 1/8 to ¼ inch		X	
- over ¼ inch	X		
(2) On inside of jacket.			
- ¼ to ½ inch inclusive			X
- over ½ inch to and including 1 inch.		X	
- over 1 inch	X		

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	Classification		
		Minor	
	Major	A	B
d. Stitch skipped or broken on raise or edge stitching when seam is seamed, turned and stitched.			
- over ¼ to an/including ½ inch			X
- over ½ inch		X	
e. Raw edges. A raw edge shall be classified such when it occurs along an edge required to be turned under, but the edge is securely caught in the stitching. If the raw edge is not securely caught in stitching, it shall be classified as an open seam.			
(1) On outside			
- under ¼ inch		X	
- over ¼ inch	X		
(2) On inside			
- ¼ to ½ inch inclusive			X
- over ½ inch to and including 1 inch		X	
- over 1 inch	X		
f. Run-offs			
(1) On joining seam, when resulting in an open seam, score as an open seam.			
(2) On raised or topstitching when not resulting in an open seam.			
- ½ to 1 inch inclusive			X
- over 1 inch		X	
g. Seams and stitch types			
(1) Not specified seam stitch type.		X	
(2) Looper thread of stitch type 401 exposed on outside of jacket.		X	
h. Stitch tension. Puckering is evidence of tight tension. When puckering is evident, the seam shall be tested by exerting normal pull in the lengthwise direction of seam.			
(1) Loose tension resulting in a loose seam	X		
(2) Loose tension on raised or edge stitching, resulting in loosely exposed loops of lower or top thread.		X	

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	Classification		
		Minor	
	Major	A	B
(3) Tight tension stitches break when normal strain is applied to seam or stitching.		X	
i. Stitches per inch (to be scored only when the conditrion occurs on the major portion of seam).			
(1) Less than specified (except overedge stitching).			
- two stitches			X
- three stitches		X	
- four or more stitches	X		
(2) Two or more stitches less than specified an overedge stitching.			X
(3) Two or more stitches in excess of maximum specified.			X
7. Snap fasteners.			
a. Missing, loose, or not functioning properly.		X	
b. Stud and socket not aligned, causing bulge when snapped.		X	
c. Off-center by 1/8 inch or more.		X	
d. Clinched too tightly, cutting surrounding fabric.	X		
8. Slide fastener.			
a. Any omitted or defective.		*	
b. Stitched too close to metal chain, restricting slide.	X		
c. Thong omitted or not specified type.			X
d. Raw edge at top of tapes not turned under.		X	
e. Tapes set on top loosely to too tightly causing bulge, twist, or excess fullness	*		
9. Bartack.			
a. Missing, insecure, or misplaced to the extent of not serving intended purpose.		X	

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4.5.2.2 Detailed defects of jacket. Detailed defects of the jacket shall be classified as follows:

	Classification		
		Minor	
	Major	A	B
Outside of jacket			
1. Front pockets.			
a. Out of alignment by.			
- ½ to 1 inch inclusive		X	
- over 1 inch	*		
b. Notch exposed beyond ends of opening.		X	
c. Size of opening			
- under 6 3/4 inches but not under 6 ½ inches			X
- over 7¼ inches			X
- under 6½ inches		X	
d. Welt irregular in width or under 3/4 inch or over 1 inch.			X
e. Raised stitching omitted.	*		
f. Flaps omitted.	*		
g. Flap overly shaped or not of uniform shape.	*		
h. Front of back pocket opening exposed beyond end of flap more than ¼ inch.	*		
2. Back darts.			
a. Omitted	X		
b. Creased edge turned toward armholes in inside.			X
c. Unequally spaced from armholes by more than 3/8 inch.			X

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		Classification		
			Minor	
		Major	A	B
	d. Length uneven by ½ inch or more			X
	e. Raised stitching omitted.		X	
	f. Not properly tapered, causing unsightly buldge.			X
	3. Sleeves.			
	a. Cigarette and pencil pocket.			
	(1) Size - under 5 inches long or under 3¼ inches wide. - under 5½ inches long or over 3 3/4 inches wide.		X	X
	(2) Does not contain four pencil pocket openings.			X
*	(3) One or both pencil point protectors omitted.		X	
	(4) Set on crookedly, affecting appearance.		X	
	(5) Front pencil openings under 5/8 inch wide or back pencil openings under 7/8 inch wide.		X	
	(6) Slide fastener invertd or misplaced.	X		
	b. Joining sleeve parts and setting sleeves.			
	(1) Undersleeve overlapping topsleeve at elbow seam.		X	
	(2) Topsleeve overlapping undersleeve at inseam.		X	
	(3) Sleeve fullness misplaced at armholes, affecting appearance.		X	
	(4) Sleeves lapped on fronts or backs.	X		
	(5) Raised stitching at top of armhole omitted or not extending to sleeve elbow seam or front armhole notch by ½ inch or more.		X	

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	Classification		
		Minor	
	Major	A	B
c. Knitted cuffs.			
(1) Not specified type or color.		X	
(2) Twisted, affecting appearance.		X	
(3) Raised stitching around sleeve bottom omitted.		X	
4. Bottom band and collar.			
a. Badly twisted, affecting appearance.		*	
b. Irregular in width by more than ¼ inch.		X	
c. Raise stitching around top and bottom of jacket omitted.		X	
d. Ends of collar finished at unequal distance from both front edges by.			
- ¼ to ½ inch inclusive		X	
- over ½ inch		*	
5. Fronts.			
a. Lengths of closed fronts.			
- uneven at neck or bottoms by ¼ to ½ inch inclusive			X
-over ½ inch		X	
b. Slide fastener chains positioned at an unequal distance from neck seam by.			
- over ¼ inch to and including ½ inch			X
- over ½ inch		X	
c. Slide fastener tape exposed less than ¼ inch beyond edge of metal chain.			X
6. Front opening fly.			
a. Irregular in width by more than 3/16 inch			X
b. Rows of diagonal stitching.			
- omitted		X	
- points spaced more than 3½ inches apart			X
-not passing through all plies	X		

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		Classification		
			Minor	
		Major	A	B
	c. Less than four rows of parallel stitching.		X	
7.	Shoulder seam and side seam.			
	a. Fronts overlapping backs.		X	
8.	Pockets. An addition to the defects listed in 1b, c, d, and e, the following defects of the outside pockets shall apply.			
	a. Out of alignment by.			
	- ½ to 1 inch inclusive			X
	- over 1 inch		X	
	b. Tacking on back edge of pocket through pile.			
	- omitted or insecure		X	
	- tacked for a distance less than 4½ inches but not less than 4 inches			X
	- tacked for a distance less than 4 inches		X	
9.	Body linings.			
	a. Twisted, not affecting smoothness on outside of jacket.			X
	b. Twisted, affecting appearance on outside of jacket.	*		
	c. Excessive fullness.			X
	d. Row of stitches across bottom through nylon lining and interlining omitted.		X	
	e. Tacking of outer-shell seams to lining seams at armhole seams, forward of side seam, omitted or insecure.		X	
*	f. Side seams and shoulder seams not spread open or raise stitching on one or both sides of seam omitted.		X	
*	g. Back darts omitted on one or both sides of lining.		X	
*	h. Dart seams not spread open or raise stitching on one or both sides of seam omitted.		X	

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	Classification		
		Minor	
	Major	A	B
10. Sleeve linings.			
a. Elbow seam not spread open or raise stitching on one or both sides of seam omitted.		X	
b. Inseam seam not spread open or raise stitching on one or both sides of seam omitted.		X	
c. Armhole seam not spread open or raise stitching omitted or incomplete, that is, not extending to elbow seam or front armhole notch by ½ inch or more on one or both sides of seam.		X	
d. Raise stitching of linings of undersleeve to armhole omitted.		X	
e. Sleeve lining twisted, short, or tight, causing twist or puckering on outside of sleeve.		*	
f. Sleeve seams not seamed on seam with sleeve lining seams by more than ½ inch.			X
11. Hanger.			
a. Ends stitched through outer shell.		X	
b. Omitted or ends not securely tacked.		X	
c. Finished length. - under 3 inches not under 2 inches - under 2 inches		 X	X
d. Less than 3/8 inch wide.			X
e. Off-center by more than 1 inch.			X
12. Label inside of pocket.			
a. Missing, incorrect, illegible, on not containing wool content information.		X	
b. Not stitched on all four sides.			X
c. Size shown on label on the end product not agreeing with size on intermediate or outer container (as applicable).			X

4.5.2.3 Finished measurement defects. Finished measurement defects shall be classified as follows:

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Examine	Defect
Back length ½ chest ½ bottom Sleeve inseam	Any measurement deviating from the finished measurements specified in Table V shall be scored as a finished measurement defect.
Equal sleeve lenghts	Sleeve lengths uneven by ½ inch or more shall be classified as a finished measurement defect.

4.5.2.4 Inspection levels and acceptable quality levels. The inspection level shall be II of MIL-STD-105 for 4.2.2.1 and 4.2.2.2, and the inspection level for 4.2.2.3 shall be S-3 of MIL-STD-105. The acceptable quality level for 4.2.2.1 and 4.2.2.2 shall be 2.5 defects per 100 units for major defects per 100 units for total major defects, 15.0 defects per 100 units for major and minor A defects, and 40.0 defects per 100 units for total major and minor A and b defects. The acceptable quality level for 4.2.2.3 shall be 4.0 defects per 100 units for defects (one class).

4.5.3 Examination of preparation for delivery. An examination shall be made to determine if the packaging, the packing, and the marking requirements of section 5 of this specification have been met. Except that it need not be sealed, the sample unit shall be one shipping container that is fully prepared for delivery. The lot size shall be the number of shipping containers in the end item inspection lot. The inspection level shall be S-2 of MIL-STD-105, and the acceptable quality level shall be 2.5 defects per 100 units. Shipping containers fully prepared for delivery shall be examined for defects of closure and shall be scored in acordance with the following:

Examine	Defect
Marking (exterior and interior)	Omitted, incorrect illegible, of improper size, location, sequence, or method of application.
Materials	Any component missing. Any component damaged, affecting serviceability.
Workmanship	Inadequate application of components, such as: Incomplete closure of case liners, container flaps, loose strapping, inadequate stapling. Buldging or distortion of containers.
Contents	Number of intermediate containers is more or less than required.

4.6 Tests. The method of testing shall be as specified in FED-STD-191 wherever applicable. Unless otherwise specified, all requirements shall apply to the sample unit requirement.

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5. PACKAGING

5.1 Preservation. Preservation shall be level A, C or Commercial as specified (See 6.2).

5.1.1 Level A. Jackets shall be preserved to the mIL-STD-2073 requirements for this level.

5.1.2 Level C. Jackets shall be preserved to the MIL-STD-2073 requirements for this level.

5.1.3 Commercial. Jackets shall be preserved in accordance with the applicable requirements of ASTM-D-3951.

5.2 Packing. Packing shall be level A, B, C or Commercial as specified (see 6.2).

5.2.1 Level A. Jackets that have been preserved and packaged as specified in 5.1 shall be packed in exterior-type shipping containers that conform to PPP-B-601, overseas type. The closure of the shipping container shall be in accordance with the appendix of the applicable shipping container specification.

5.2.2 Level B. Jackets that have been preserved and packaged as specified in 5.1 shall be packed in exterior-type shipping containers that conform to PPP-B-636, class weather resistant. The closure of the shipping container shall be in accordance with the appendix of the applicable shipping container specification.

5.2.3 Level C. Jackets that have been preserved and packaged as specified in 5.1 shall be packed in accordance with the requirements of MIL-STD-2073-1.

5.2.4 Commercial. Jackets that have been preserved and packaged as specified in 5.1 shall be packed in accordance with the requirements of ASTM D 3951.

5.3 Marking.

5.3.1 Levels A, B and C. In addition to any specical or other identification markings required by the contract (see 6.2), each unit pack and exterior container shall be marked in accordance with MIL-STD-129.

5.3.2 Commercial. Jackets shall be marked in accordance with the applicable requirements of ASTM D 3951.

* 5.4 Palletization. Unitized loads, commensurate with the level of packing specified in the contract or order shall be palletized in accordance with MIL-STD-147. Palletized loads shall be uniform in size and quantities to the greatest extent possible. If the container is of a size which does not conform to any of the pallet patterns specified in MIL-STD-147, the pallet pattern shall first be approved by the contracting officer.

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6. NOTES

6.1 Intended use. The jacket covered by this specification is intended to be worn in the intermediate temperature range (plus 14 to plus 50 degrees Fahrenheit) by personnel of the USAF.

6.2 Ordering data. Procurement documents should specify the following:

a. Title, number, and date of this specification.

b. Size required (see 1.1).

c. When a first article is required (see 3.9)

d. Stock number (see 3.8.1.1).

e. Selection of applicable levels of preservation and packaging and packing (see 5.1 and 5.2).

f. When palletization is required (see 5.4).

6.2.1 Acquisition requirements.

6.2.2 First article. When a first article inspectionis required, the item should be a first article sample, inspected and approved under the apapropriate provisions of FAR 52.209-4. The first article should consist of one coat. The contracting officer shjould include specific instructions in acquisition documents regarding arrangemennts for examinations, approval of first article test results and dispositionof first article. Invitations for bids should provide that the Government reserves the right to waive the requirement for samples for first article inspection to those bidders offering a product which has been previously acquired or tested by the Government, and that bidders offering such products, who wish to rely on such productionor test, must furnish evidence with the bid that prior Government approval is presently appropriate for the pending contract.

6.3 Samples. For access to sample of the end item, patterns, and shade samples, address the procuring activity issuing the invitation for bids.

6.4 Figures. Figures 1 and 2 indicate general appearance and are for information only.

6.5 Key Word Listing.

Collar
Fastener, Slide
Fastener, Snap
Jacket
Leather
Lining
Outer Shell
Pocket
Protective Fly
Sleeve
Textile
Thread
Waistband
Wristlet

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6.6 Reclaimed materials. The use of reclaimed materials shall be encouraged to the maximum extent possible.

6.7 Changes from previous issue. The margins of this specification are marked with an asterisk to indicate where changes (additions, modifications, corrections, deletions) from the previous issue were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document basd on the entire content irrespective of the marginal notations and relationship to the last previous issue.

Custodian:
Air Force - 99

Review activity:
Air Force - 45
DLA - CT

Preparing activity:
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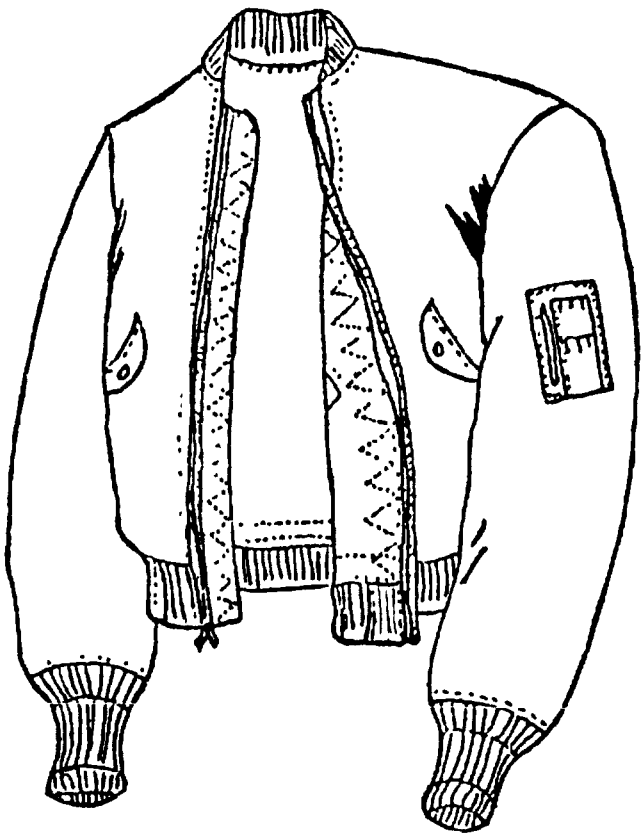

FIGURE 1. Jacket, front view.

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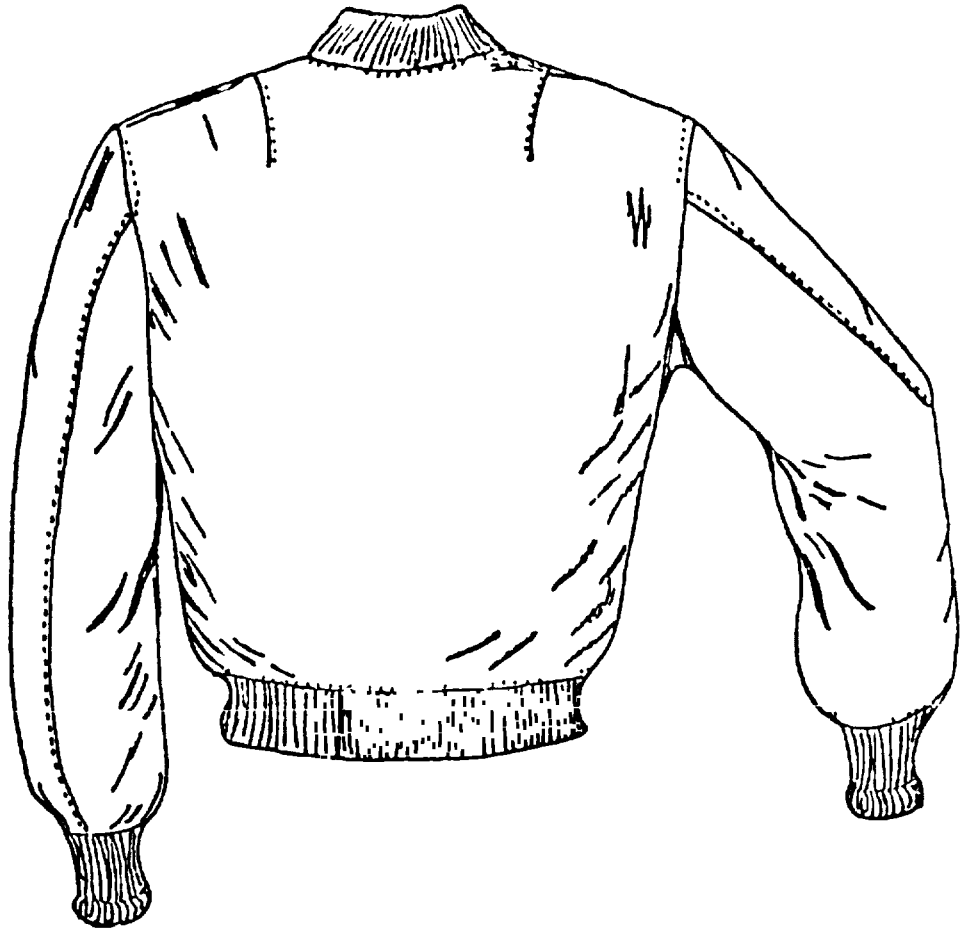

FIGURE 2. Jacket, rear view.

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STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

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1 DOCUMENT NUMBER	2. DOCUMENT TITLE
MIL-J-8279G	JACKET, COLD WEATHER

3a. NAME OF SUBMITTING ORGANIZATION	4 TYPE OF ORGANIZATION *(Mark one)*
	☐ VENDOR
b ADDRESS *(Street, City, State, ZIP Code)*	☐ USER
	☐ MANUFACTURER
	☐ OTHER *(Specify)* _____

5 PROBLEM AREAS

a Paragraph Number and Wording

b Recommended Wording

c Reason/Rationale for Recommendation

6 REMARKS

7a. NAME OF SUBMITTER *(Last, First, MI)* – Optional	b WORK TELEPHONE NUMBER *(Include Area Code)* – Optional
c MAILING ADDRESS *(Street, City, State, ZIP Code)* – Optional	8 DATE OF SUBMISSION *(YYMMDD)*

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