

MIL-J-38349B(USAF)
 11 December 1973
 SUPERSEDING
 MIL-J-38349A(USAF)
 10 June 1965

MILITARY SPECIFICATION

JACKLT, PARARESCUE, TYPE CWU-14/P

1. SCOPE

1.1 This specification covers one type of jacket designated CWU-14/P and furnished in small, medium, large, and extra-large sizes as specified (see 6.2).

2. APPLICABLE DOCUMENTS

- * 2.1 The following documents of the issue in effect on date of invitation for bids or request for proposal form a part of the specification to the extent specified herein.

SPECIFICATIONS

Federal

| | |
|----------|---|
| L-F-378 | Plastic Sheet And Strip, Thin Gauge, Polyolefin |
| V-F-106 | Fasteners, Slide, Interlocking |
| V-F-295 | Thread, Nylon |
| DDD-L-20 | Label, For Clothing, Equipage, And Tentage, (General Use) |

Military

| | |
|-------------|---|
| MIL-A-5540 | Adhesive, Polychloroprene |
| MIL-C-7219 | Cloth, Duck, Nylon |
| MIL-B-17757 | Boxes, Fiberboard, Corrugated (Modular Sizes) |
| MIL-F-21640 | Fasteners, Tapes, Hook And Pile, Synthetic |

STANDARDS

Federal

| | |
|-------------|---------------------------------|
| FLD-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 |
| MS27980 | Fasteners, Snap; Style 2 (Regular Wire Spring Clamp Type) |

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DRAWINGS

Air Force

64B2109

Jacket - Pararescue Suit CWU-14/P

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

- * 2.2 Other publications. The following documents form a part of this specification to the extent specified herein. Unless otherwise indicated, the issue in effect on date of invitation for bids or request for proposal shall apply.

Color Association of the United States, Inc.

Standard Color Card of America

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

NATIONAL MOTOR FREIGHT TRAFFIC ASSOCIATION, INC.

National Motor Freight Classification

(Application for copies should be addressed to American Trucking Associations, ATTN: Tariff Order Section, 1616 P Street, N.W., Washington DC 20036.)

UNIFORM CLASSIFICATION COMMITTEE

Uniform Freight Classification

(Application for copies should be addressed to the Uniform Classification Committee, Room 202 Union Station, 516 W. Jackson Blvd., Chicago IL 60606.)

3. REQUIREMENTS

- * 3.1 Samples.

- * 3.1.1 First article. This specification contains provisions for first article inspection and approval (see 4.2, 6.2 and 6.5).

- * 3.1.2 Guide sample. Samples, when furnished, are solely for guidance and information to the supplier (see 6.4). Variations from this specification may appear in the sample, in which case this specification shall govern.

- * 3.2 Materials.

3.2.1 Basic material. The basic material shall conform to type III, class III of MIL-C-7219, except that the color options shall be Indian Orange, Cable No. 70072 of the Standard Color Card of America or sage green USAF color shade No. 1535 (see 6.2 and 6.3).

- * 3.2.2 Thread. Except for the looper thread of operations utilizing stitch type 401, the thread shall conform to type I, class 1, size E of V-T-295. The looper thread of operations utilizing stitch type 401 shall conform to type 1, class 1, size B of V-T-295.
- * 3.2.3 Fastener tape. The fastener tape (hook and pile) shall conform to type II, class 1 of MIL-F-21840. The width of the tape shall be 2 inches, and color options shall be Indian orange, white, gray or black. The lengths of the fastener tapes shall be as specified in Table I.

TABLE I. Fastener Tape

| Type | | Length of Tape (Inches) | | | | No. Required |
|------|-------------------------|-------------------------|--------|--------|-------------|--------------|
| | | Small | Medium | Large | Extra Large | |
| Pile | Jacket back - shoulder | 5-1/2 | 5-1/2 | 5-1/2 | 5-1/2 | 2 |
| Pile | Jacket back - sides | 3 | 3 | 3 | 3 | 4 |
| Pile | Jacket back - center | 20-1/2 | 21-1/2 | 21-3/4 | 22-5/8 | 1 |
| Pile | Jacket front - shoulder | 5-1/2 | 5-1/2 | 5-1/2 | 5-1/2 | 2 |
| Pile | Under sleeve - elbow | 7-1/2 | 7-1/2 | 7-1/2 | 7-1/2 | 2 |
| Pile | Top sleeve - elbow | 7-1/2 | 7-1/2 | 7-1/2 | 7-1/2 | 2 |
| Hook | back pad - center | 20-1/2 | 21-1/2 | 21-3/4 | 22-5/8 | 1 |
| Hook | back pad - sides | 9-1/4 | 9-3/4 | 10 | 10-5/8 | 2 |
| Hook | Shoulder pad | 8-1/2 | 8-1/2 | 8-1/2 | 8-1/2 | 4 |
| Hook | Elbow pad | 6 | 6 | 6 | 6 | 4 |

- * 3.2.4 Slide fastener. The slide fastener for the jacket front closure shall conform to type IV, style 8, size MNC, with a stirrup pull and thong of V-F-106. The chain shall be brass or zinc alloy. The tape shall be cotton or cotton warp and nylon filling and shall be mildew resistant treated in accordance with V-F-106. The finish for the metal parts shall be natural crank finish, or equal, if zinc alloy and black chemical finish if brass. The length of the slide fastener chain shall conform to the finished lengths of the jacket fronts from the bottom edge of the waistband to the collar.
- * 3.2.5 Snap fasteners. The snap fasteners for the jacket fabricated from Indian orange material shall be in accordance with MS27980-1N (button), MS27980-6N (socket), MS27980-7N (stud), and MS27980-8N (eyelet). The snap fasteners for the jacket fabricated from sage green material shall be in accordance with MS27980-1B (button), MS27980-6B (socket), MS27980-7B (stud), and MS27980-8B (eyelet).
- * 3.2.6 Padding material. The material for protective padding (back, elbows, and shoulders) shall be Ensolite, Type AN, 1/2 inch wide (manufactured by the United States Rubber Co., 1232 Avenue of the Americas, New York, New York) or equal.
- * 3.2.7 Cement. The cement for fabricating the protective padding shall conform to MIL-A-5540.

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- 3.3 Design. The design of the jacket shall conform to 64B2109. There shall be two snap fasteners on the collar tabs and the waistband extension. The take-ups on the sleeves and sides of the waistband shall also have snap fasteners. Each jacket shall have detachable protective pads for the back, the shoulders, and the elbows. The pads shall be secured in place by hook and pile fastener tape.
- * 3.4 Construction. The jacket shall be constructed in accordance with Table II, but the manufacturer is not required to follow the sequence as listed therein.
- * 3.4.1 Stitches, seams and stitching. Stitches, seams and stitchings shall conform to FED-STD-751. Wherever two or more methods of seams or stitches are specified, either may be used. Where stitch type 401 is used, the looper (under thread) shall be on the inside of the jacket. Seam allowances shall be maintained, and all seams shall be properly sewn so that there are no raw edges, run-offs, twists, pleats, or open seams. The ends of all seams and stitching not caught by other seams shall be backtacked a minimum of 1/2 inch. Thread breaks may be repaired using stitch type 301 and over stitching 1/2 inch each end of the break.
- * 3.4.1.1 Double row of stitching. Unless otherwise specified herein, all double rows of stitching specified in Table II shall be 1/4-inch to 5/16-inch stitching gage, 1/16 to 1/8 inch from the edge or folded edge, as applicable.
- * 3.5 Patterns. The manufacturer's working patterns shall be in accordance with the patterns referenced on 64B2109. The patterns provide a 1/2-inch seam allowance and show directional lines and markings for proper assembling of the fabric components. The patterns for the protective padding are finished size.
- * 3.5.1 Pattern parts. The pattern parts and the number of parts to be cut shall be as specified in Table III.
- * 3.6 Identification of product.
- * 3.6.1 Jacket. Each jacket shall have a combination identification and size label sewn on the inside of the right jacket front. The label shall conform to type I, classes 1 and 2 of DDD-L-20 and shall measure not less than 1-1/2 inches by 2-1/4 inches. For the purpose of determining colorfastness of the label, the end item is intended to be laundered. The label shall contain the following specific information:
- Jacket, Pararescue Suit CWU-14/P
Specification MIL-J-38349(USAF)
Contract 1/
Manufacturer's Name 1/
Size 1/
Stock Number 1/
- 1/ The manufacturer shall insert the applicable information.
- * 3.6.2 Protective pads. The protective pads shall be marked with nomenclature and size in accordance with type IV of DDD-L-20.

TABLE II. Sewing Operations

| No. | Description of Operation | Stitch Type | Seam and Stitching Type | Stitches Per Inch |
|-----|--|-------------|-------------------------|-------------------|
| 1. | CUTTING. All components of the jacket shall be cut in strict accordance with the applicable patterns which control size, shape, and warp direction and provide notches and drill marks for use in assembling the jacket. Wherever drill holes are used, they shall not appear on the outside of the finished jacket. | | | |
| 2. | MARKING. Except for the collar interlining, all component parts of the jacket shall be marked or ticketed to insure a proper assembly throughout the jacket. | | | |
| 3. | MAKE BACK | | | |
| | a. Fold the shoulder darts in accordance with the notches and the drill marks and sew with a single row of stitching. | 301 | OSf-1 | 8-10 |
| | b. Turn the inside fold of the darts towards the center of the back and raise with a single row of stitching, 1/16 to 1/8 inch from the edge. | 301 | | 8-10 |
| | c. Fold the waist pleats in accordance with the notches and the drill marks, and sew with a single row of stitching. | 301 | OSf-1 | 8-10 |
| | d. Turn the inside fold of the pleats toward the side seams and raise with a single row of stitching. | 301 | | 8-10 |
| | e. Sew the pile tape to the inside of the jacket back at the center and the sides as indicated by the pattern marks. | 301 | LSbj-1 | 8-10 |

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TABLE II. Sewing Operations (Cont'd)

| No. | Description of Operation | Stitch Type | Seam and Stitching Type | Stitches Per Inch |
|-----|---|----------------------|-------------------------|----------------------|
| 4. | <p>MAKE FRONTS</p> <p>a. Sew the neck darts (same as 3a and 3b).</p> <p>b. Sew the waist pleats (same as 3c and 3d).</p> <p>c. Locate the label on the inside of the right jacket front, 1 to 2 inches from the front edge and 3 to 4 inches from the bottom edge, and stitch in place 1/16 to 1/8 inch from the edges of the label.</p> | 301 | LSbj-1 | 8-10 |
| 5. | <p>MAKE SLEEVES</p> <p>a. Join the topsleeve to the undersleeve at the elbow seam, with the topsleeve overlapping the undersleeve</p> <p>b. Sew the pile tapes to the inside of the sleeves at the specified pattern marks. Stitch around the tapes 1/16 to 1/8 inch from the edge.</p> | 301 or 401 301 | LSc-2 LSbj-1 | 8-10 8-10 |
| 6. | <p>MAKE COLLAR</p> <p>a. Join the topcollar, the interlining, and the undercollar, with a single row of stitching, around the outer edge from notch to notch.</p> <p>b. Trim the points and turn the collar face side out; work out the seam, and raise with a single row of stitching 1/16 to 1/8 inch from the edge.</p> <p>c. Quilt the collar through all plies, using a diagonal stitching pattern. The points of the quilting stitch shall be spaced 5-1/2 inches apart at the outer edge and 3 inches apart at the neck seam. The points at the neck seam shall terminate 1 to 1-1/4 inches from the raw edge. A tolerance of plus or minus 1/2 inch will be permissible for spacing the points.</p> | 301 301 301 | SSE-2(a) SSE-2(b) | 8-10 8-10 8-10 |
| 7. | <p>JOIN SHOULDER SEAMS. With the fronts overlapping the back, seam with a double row of stitching, 1/4-inch to 5/16-inch stitching gage, with the outer row of stitching 1/16 to 1/8 inch from the edge.</p> | 301 or 401 | LSc-2 | 8-10 |

TABLE II. Sewing Operations (Cont'd)

| No. | Description of Operation | Stitch Type | Seam and Stitching Type | Stitches Per Inch |
|-----|--|-------------|-------------------------|-------------------|
| 8. | ATTACH SLEEVES TO JACKET a. Join the sleeves to the armhole, with the front and the back overlapping the sleeve, with a double row of stitching, 1/4-inch to 5/16-inch stitching edge, with the outer row of stitching 1/16 to 1/8 inch from the edge. b. Sew the pile tapes to the inside of the jacket front and back shoulder area as indicated by the pattern marks. Stitch around the tapes 1/16 to 1/8 inch from the edge. | 301 or 401 | LSc-2 | 8-10 |
| 9. | CLOSE UNDERARM AND SIDE SEAM. Close the underarm and the side seam, with the jacket front overlapping the back, with a double row of stitching, 1/4-inch to 5/16-inch stitching edge, with the outer row of stitching 1/16 to 1/8 inch from the edge. | 301 or 401 | LSbj-1 | 8-10 |
| 10. | PLEE SLEEVES. Fold the bottom of the sleeve to the inside as indicated by the notches, turn the raw edge under and stitch 1/16 to 1/8 inch from the edge. The finished hem shall measure $1 \pm 1/8$ inch. | 301 | LSc-2 | 8-10 |
| 11. | ATTACH WAISTBAND TO JACKET a. Fold the waistband lengthwise at the pointed end (extension), and stitch around the edge from the notch. Turn right side out, and work out the corners and the point. b. Fold the edge of the left front 1/2 inch to the inside and stitch the top edge of the waistband to the bottom edge of the jacket, on the inside. c. Turn in the top edge of the waistband 1/2 inch and stitch to the outside of the jacket 1/16 to 1/8 inch from the edge. Continue the stitching around the extension and along the bottom edge of the waistband. | 301 | ESa-1 | 8-10 |
| | | 301 | ESa-1 | 8-10 |
| | | 301 | ESa-1 | 8-10 |

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TABLE II. Sewing Operations (Cont'd)

| No. | Description of Operation | Stitch Type | Seam and Stitching Type | Stitches Per Inch |
|-----|--|----------------|----------------------------|------------------------------------|
| 12. | <p>ATTACH SLIDE FASTENER</p> <p>a. Turn in the edge of the right jacket front and waistband 1/2 inch and superimpose on the slide-fastener tape. Stitch in place, using a double row of stitching 1/4-inch to 5/16-inch gage, with the outer row 1/16 to 1/8 inch from the edge.</p> <p>NOTE: The retainer of the slide fastener shall be in line with the bottom of the waistband. Trim the top of the slide fastener even with the top edge of the jacket front.</p> <p>b. The left front slide fastener shall be installed in a manner similar to the right jacket front (see No. 12a), with the slide fastener continuing in a straight line across the waistband extension.</p> | 301 | LSb-2 | 8-10 |
| 13. | <p>ATTACH COLLAR</p> <p>a. Join the undercollar to the jacket. Match the slide fastener with the collar tab notch, and sew with a single row of stitching.</p> <p>b. Turn in the edge of the topcollar and stitch to the jacket 1/16 to 1/8 inch from the folded edge.</p> | 301 | SSa-1 | 8-10 |
| 14. | <p>MAKE AND ATTACH HANGER</p> <p>a. Make the hanger from outer-shell material or use nylon tape. The finished hanger shall be 3/8 to 1/2 inch wide by 4 inches long. The ends of the hanger shall be seared to prevent fraying, or may be folded under when performing No. 14b.</p> <p>b. Center the hanger on the inside of the jacket back, 1/2 inch above the pile tape. Stitch in place with two rows of stitching 1/4 inch apart or vertical bartack at each end.</p> | 301 | EFP-1 or EFP-2 | 8-10 |
| | | 301 or bartack | LSa-2 LSq-2 or LSq-1 | 8-10 28 stitches per tack |

TABLE II. Sewing Operations (Cont'd)

| No. | Description of Operation | Stitch Type | Seam and Stitching Type | Stitches Per Inch |
|-----|---|-------------|-------------------------|-------------------|
| 15. | <p>SHT SNAP FASTENERS (See Drill Mark Locations on Applicable Patterns)</p> <p>a. Collar. Set the sockets and the caps on the left collar tab, with the sockets to the inside. Set the studs and the eyelets on the right collar tab, with the studs to the outside.</p> <p>b. Waistband</p> <p>(1) Front. Set the sockets and the caps on the waistband extension (left front), with the sockets to the inside. Set the studs and the eyelets on the right side, with the studs to the outside. The studs shall correspond with the sockets to effect a smooth closure.</p> <p>(2) Side Take-up. Set the socket and the caps at the forward location, with the socket facing out and the stud and the eyelet at the rear location with the stud facing out.</p> <p>c. Sleeve Take-up. Install the fasteners on the undersleeve, in accordance with No. 15b(2).</p> | | | |
| 16. | <p>BACK PADDING</p> <p>a. Back Pad. Cement the fastener hook tape to the back pad at the locations specified on the pattern (center and sides).</p> <p>b. Shoulder Pads. Cement the fastener hook tape to the shoulder pads, and cement the dart together.</p> <p>c. Elbow Pads. This operation shall be the same as No. 16b.</p> | | | |
| 17. | <p>CLEANING</p> <p>a. Trim all ends of stitching and remove loose threads.</p> <p>b. Remove any soiled spots or stains.</p> <p>c. Remove all marking tickets.</p> | | | |

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TABLE III. Pattern Parts

| Part | Material | No. Required |
|--------------------------------------|---------------------------------|--------------|
| Front | basic material (see 3.2.1) | 2 |
| Back | | 1 |
| Undersleeve | | 2 |
| Topsleeve | | 2 |
| Collar (top, under, and interlining) | | 3 |
| Waistband | | 1 |
| Shoulder pad | padding material (see 3.2.6) | 2 |
| Elbow pad | | 2 |
| Backpad | | 1 |

- * 3.7 Finished measurements. The finished measurements of the jacket shall conform to Table IV.
- * 3.8 Workmanship. The finished jacket shall be well finished and shall be free from any defects that might affect appearance or serviceability.

TABLE IV. Finished Measurements (Inches)

| Measurement | Size | | | | Tolerance | |
|---------------|--------|--------|--------|-------------|-----------|-------|
| | Small | Medium | Large | Extra Large | Plus | Minus |
| 1/2 breast | 25-1/2 | 27-1/2 | 29-1/2 | 31-1/2 | 3/4 | 3/4 |
| 1/2 waist | 21-1/4 | 23-1/4 | 25-1/4 | 27 | 3/4 | 1/2 |
| back length | 31-1/2 | 32-1/2 | 33 | 33-1/2 | 3/4 | 1/2 |
| Sleeve length | 20-3/4 | 21-1/4 | 21-1/2 | 22 | 3/4 | 1/2 |

NOTES: The measurement of the 1/2 breast and the 1/2 waist shall be taken, with the slide fastener closed, from folded edge to folded edge.

The 1/2 breast shall be measured in line with the base of the armhole, and the 1/2 waist shall be measured along the center line of the waistband.

The measurement of back length shall be taken, along the center of back, from the collar seam to the bottom edge of the waistband.

The measurement of the sleeve length shall be taken along the underarm seam, from the armhole to end of sleeve.

4. QUALITY ASSURANCE PROVISIONS

- 4.1 Responsibility for inspection. Unless otherwise specified in the contract or purchase order, the supplier is responsible for the performance of all inspection requirements as specified in the contract or order, the supplier 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.
- * 4.2 First article inspection. When required, the preproduction sample submitted in accordance with 3.1.1 shall be inspected for visual defects as specified in 4.3.2, and examined for dimensional defects as specified in Table IV.
- * 4.3 Inspection for acceptance. Unless otherwise specified herein, inspection shall be in accordance with MIL-STD-105.
- * 4.3.1 Testing of components. Unless otherwise specified herein, the testing of components shall be in accordance with subsidiary specifications referenced herein to the extent applicable.
- * 4.3.2 Examination of end item. The end item shall be examined for defects. Defects found during this examination shall be classified in accordance with 4.3.2.1, 4.3.2.2, and 4.3.2.3. The sample unit for this examination shall be one jacket. The inspection levels shall be II of MIL-STD-105 for 4.3.2.1 and 4.3.2.2 and S-3 of MIL-STD-105 for 4.3.2.3. The acceptable quality level for 4.3.2.1 and 4.3.2.2 shall be 2.5 defects per 100 units (dhu) for major defects, 15.0 dhu for major and minor A (combined) defects, and 25.0 dhu for total (combined major, minor A, and minor B) defects. The acceptable quality level for 4.3.2.3 shall be 4.0 dhu for defects (one class).

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

1. MATERIAL DEFECTS AND WORKMANSHIP DAMAGES. Material defects and workmanship damages that are nonweakening shall not be classified as defects. When material defects and workmanship damages weaken the structure of the jacket, they shall be classified as follows:
- a. Any hole, smash, float, or loose and weakening slub
- b. Cut, tear, mend, burn, or needle chew
2. CLEANNESS.
- a. Any spot or stain on outside, clearly noticeable
- b. Thread end not trimmed or loose threads not removed throughout jacket

| | Classification | |
|--|----------------|--------------|
| | Major | Minor A B |
| a. Any hole, smash, float, or loose and weakening slub | X | |
| b. Cut, tear, mend, burn, or needle chew | X | |
| a. Any spot or stain on outside, clearly noticeable | | X |
| b. Thread end not trimmed or loose threads not removed throughout jacket | | X |

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| | Classification | | |
|---|----------------|-------|---|
| | Major | Minor | |
| | | A | B |
| 3. COMPONENT AND ASSEMBLY | | | |
| a. Any component part or required operation omitted (unless otherwise classified herein) | X | | |
| 4. CUTTING | | | |
| a. Any component part not cut in accordance with directional lines as indicated on patterns or in accordance with specification requirements | X | | |
| 5. SEAM AND STITCHING | | | |
| a. Seam twisted, puckered, or pleated (unless otherwise specified herein) | | | X |
| b. Any part of jacket caught in any unrelated operation or stitchings | X | | |
| c. End of seam, when not caught in other seam or stitching, backtacked less than 1/4 inch | | X | |
| d. Thread break (all stitch types) stitched less than 1/2 inch beyond each end of break | | X | |
| e. Gage of stitching (edge, raise, or double stitching) | | | |
| (1) Unevenly gaged or stitchings not uniform | | X | |
| (2) Beyond width specified or varies more than 1/16 inch when no range is specified | | | X |
| (3) Edge or raised stitching sewn too close to edge resulting in damage to cloth | X | | |
| f. Open seams (One or more broken, skipped, or run-off stitches on a joining seam shall constitute an open seam. On double stitched seams, a seam shall be considered open when either side of the seam is open.) | | | |
| (1) On joining seams | | | |
| -up to and including 1/4 inch | | | X |
| -more than 1/4 inch up to and including 1 inch | | X | |
| -more than 1 inch | X | | |
| (2) On hems | | | |
| -More than 1/4 inch | | | X |

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|--|----------------|--------------|
| | Major | Minor A B |
| g. Raw edges (Raw edges not caught in stitching shall be classified as an open seam.) | | |
| (1) On outside -1/4 inch to 3/4 inch inclusive -more than 3/4 inch | X | X |
| (2) On inside -more than 2 inches | | X |
| (3) Raw edges protruding more than 2 inches from folded edge on outside of double-needle seam | | X |
| h. Run-offs (Run-offs in joining seams resulting in an open seam shall be classified as an open seam.) | | |
| (1) Edge or raised stitching when not resulting in an open seam -1/4 inch to 1/2 inch inclusive -more than 1/2 inch | | X |
| i. Seam and stitch type | | |
| (1) Not specified seam or stitch type | | X |
| (2) Loper thread on outside (when stitch type 401 is used) | | X |
| j. Stitch tension | | |
| (1) Loose tension resulting in a loose seam | X | |
| (2) Loose tension on edge or raised stitching resulting in loosely exposed bobbin thread or top thread | | X |
| (3) Tight tension, i.e., stitches break when normal strain is applied to seam or stitching | X | |
| k. Stitches skipped or broken | | |
| (1) On edge or raised stitching, i.e., when seam is seamed, turned, and stitched -1/2 inch to 3/4 inch inclusive -more than 3/4 inch | | X |
| l. Stitches per inch (to be scored only when the condition exists on major portion of seam) | | |
| (1) Less than minimum specified on all seams except stitching of label -one stitch -two stitches -three or more stitches | X | X |

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|---|----------------|--------------|
| | Major | Minor A B |
| (2) Two or more stitches less than minimum specified on stitching of label | | X |
| (3) Any number in excess of maximum specified | | X |
| 6. SNAP FASTENERS | | |
| a. Missing, loose, or not functioning properly | | X |
| b. Studs and sockets not aligned, causing front waistband to bulge when snapped | | X |
| c. Off-center 1/4 inch or more (waistband) | | X |
| d. Clinched too tightly, cutting surrounding fabric | X | |
| 7. SLIDE FASTENER | | |
| a. Defective, will not function | X | |
| b. Stitched too close to metal chain, restricting slider | X | |
| c. Thong omitted or not specified type | | X |
| d. Raw edge at top of tapes not caught in collar seam | | X |

- * 4.3.2.2 Detailed defects applicable to specific parts. Detailed defects applicable to specific parts shall be classified as follows:

| | Classification | |
|--|----------------|--------------|
| | Major | Minor A B |
| OUTSIDE OF JACKET | | |
| 1. FRONT | | |
| a. Length of fronts uneven by 1-1/2 inch or more at bottom when fastened | | X |
| b. Length of fronts uneven by 1/4 inch or more at neck when fastened | | X |

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| | Classification | | |
|---|----------------|-------|---|
| | Major | Minor | |
| | | A | B |
| 2. SLEEVES | | | |
| a. Sleeves reversed, i.e., right sleeve in left armhole and left sleeve in right armhole | X | | |
| b. Sleeve puckered or pleated at joining to armhole | | X | |
| c. Sleeve tight at armhole, causing puckers, or pleats on front | | X | |
| 3. SHOULDER, ARMHOLE | | | |
| a. Back lapped on front at shoulder seam | | | X |
| b. Sleeve lapped on front or back at armhole seam | | X | |
| c. End of armhole seam staggered from center of side seam by -1/2 inch to 3/4 inch inclusive. -more than 3/4 inch | | X | X |
| INSIDE OF JACKET | | | |
| 4. IDENTIFICATION LABEL | | | |
| a. Missing, incorrect, or illegible | | X | |
| b. Not stitched on all four sides | | | X |
| 5. HANGER | | | |
| a. Missing or insecurely attached | | | X |
| 6. FASTENER TAPES (HOOK AND PILE) | | | |
| a. Any fastener tape missing or improperly located on jacket | X | | |
| b. Fastener tape not securely stitched on all four sides | | X | |
| 7. PROTECTIVE PADDING (BACK, ELBOW, AND SHOULDERS) | | | |
| a. Cemented joints insecure | | X | |
| b. Fastener tape not securely cemented to protective pad | | X | |
| c. Fastener tape missing from protective pad | X | | |

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- * 4.3.2.3 Finished measurements. Any finished measurements deviating from the measurement specified in Table IV shall be classified as a finished measurement defect. Sleeve lengths (on the same jacket) uneven by more than 1/2 inch shall be classified as a finished measurement defect.

4.3.3 Examination of preparation for delivery requirement. An examination shall be made to determine if packaging, packing, and marking requirements have been met. The sample unit shall be one shipping container fully prepared for delivery with the exception that it need not be sealed. The lot size shall be S-2 of MIL-STD-105, and the acceptable quality level shall be 2.5 dhu. The containers shall be examined for the following defects:

| <u>Examine</u> | <u>Defect</u> |
|---------------------------------|--|
| Marking (exterior and interior) | Omitted; incorrect; illegible; or of improper size, location, sequence, or method application |
| Materials | Any component missing, damaged, or not as specified |
| Workmanship | Inadequate application of components such as: incomplete closure of container flaps, loose strapping, improper taping, and inadequate stapling |
| Contents | Number of bundles per shipping container is more or less than required or number of jackets per bundle is more or less than required. 1/ |

1/ For this defect, one bundle from each shipping container in the sample shall be examined.

5. PREPARATION FOR DELIVERY

- * 5.1 Packaging. Packaging shall be level A or C as specified (see 6.2).

5.1.1 Level A. Each jacket shall be neatly and compactly folded to a finished size of approximately 23 inches in length by 14-1/2 inches in width. Each jacket shall be placed in a plastic bag fabricated from material conforming to L-P-378, type I, class 1, grade A, finish I. The shoulder and the elbow pads shall be nested in the unit container and the back pad shall be folded around the jacket with the radius of the fold not less than 3 inches.

- * 5.1.2 Level C. Each jacket shall be packaged to afford the minimum degree of protection necessary to prevent deterioration and damage during shipment from the supply source to the first receiving activity. The contractor may use his commercial practice provided the latter meets this requirement.

5.2 Packing.

5.2.1 Level A. Five jackets of one size only, packaged as specified in 5.1.1, shall be packed in a box that is assembled, closed, and reinforced to conform to weather resistant class 2, size 3A of MIL-B-17757. Toward the end of the contract or when the number of jackets of the same size is less than that required, mixed sizes (see 5.3.1) may be packed in the same shipping container.

5.2.2 Level B. Five jackets of one size only, packaged as specified in 5.1.1, shall be packed in a box that is assembled, closed, and reinforced to conform to domestic grade, class 1, size 3A of MIL-B-17757. Toward the end of the contract or when the number of jackets of the same size is less than that required, mixed sizes (see 5.3.1) may be packed in the same shipping container.

- * 5.2.3 Level C. Jackets packaged as specified shall be packed in a manner to insure carrier acceptance and safe delivery at destination at the lowest transportation rate for such supplies. Containers shall be in accordance with Uniform Freight Classification Rules or National Motor Freight Classification Rules, as applicable.

5.3 Marking. In addition to any special marking required by the contract or order (see 6.2), shipping containers shall be marked in accordance with MIL-STD-129.

5.3.1 Mixed sizes. Each shipping container packed with mixed sizes (see 5.2.1 and 5.2.2) shall have a white paper label that is 5 inches by 4 inches securely attached to the end and side. The words mixed sizes and the quantity and size of jackets contained herein shall be plainly printed on the label.

6. NOTES

6.1 Intended use. The jacket covered by this specification is a component of the pararescue protective suit, which is intended for use by parachutists for protection against ground impact hazards. The protective padding is a unicellular material which affords buoyancy.

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. Selection of applicable levels of packaging and packing (see 5.1 and 5.2).
- d. Special marking (see 5.3).
- e. Color required (see 3.2.1).
- f. First article (see 3.1.1, 4.2 and 6.5).

6.3 Color samples. Samples of USAF color shades may be obtained from the procuring activity or as directed by the contracting officer.

6.4 Guide sample. For access to guide sample address the procuring officer issuing the invitation for bids.

6.5 First article. The item covered by this specification requires first article approval. The first article should be a production sample. The first article should consist of one complete jacket. The contracting officer should include specific instructions in all procurement instruments, arrangements for examination and approval of the first article.

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- * 6.6 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 based on the entire content irrespective of the marginal notations and relationship to the last previous issue.

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| SPECIFICATION ANALYSIS SHEET | | Form Approved Budget Bureau No. 22-R255 |
|--|--|--|
| <p>INSTRUCTIONS: This sheet is to be filled out by personnel, either Government or contractor, involved in the use of the specification in procurement of products for ultimate use by the Department of Defense. This sheet is provided for obtaining information on the use of this specification which will insure that suitable products can be procured with a minimum amount of delay and at the least cost. Comments and the return of this form will be appreciated. Fold on lines on reverse side, staple in corner, and send to preparing activity. Comments and suggestions submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or serve to amend contractual requirements.</p> | | |
| SPECIFICATION | | |
| ORGANIZATION | | |
| CITY AND STATE | | CONTRACT NUMBER |
| MATERIAL PROCURED UNDER A <input type="checkbox"/> DIRECT GOVERNMENT CONTRACT <input type="checkbox"/> SUBCONTRACT | | |
| 1. HAS ANY PART OF THE SPECIFICATION CREATED PROBLEMS OR REQUIRED INTERPRETATION IN PROCUREMENT USE? A. GIVE PARAGRAPH NUMBER AND WORDING. | | |
| B. RECOMMENDATIONS FOR CORRECTING THE DEFICIENCIES | | |
| 2. COMMENTS ON ANY SPECIFICATION REQUIREMENT CONSIDERED TOO RIGID | | |
| 3. IS THE SPECIFICATION RESTRICTIVE? <input type="checkbox"/> YES <input type="checkbox"/> NO (If "yes", in what way?) | | |
| 4. REMARKS (Attach any pertinent data which may be of use in improving this specification. If there are additional papers, attach to form and place both in an envelope addressed to preparing activity) | | |
| SUBMITTED BY (Printed or typed name and activity - Optional) | | DATE |

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1 JAN 65

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