

INCH-POUND

MIL-STD-1525B

7 June 2000

SUPERSEDING

MIL-STD-1525A

13 September 1974

**DEPARTMENT OF DEFENSE
STANDARD PRACTICE**

**VERIFICATION TESTING OF PARACHUTE
TEXTILE MATERIALS**



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FOREWORD

1. This standard is approved for use by all Departments and Agencies of the Department of Defense.
2. Beneficial comments (recommendations, additions, deletions) and any pertinent data that may be of use in improving this document should be addressed to: Defense Supply Center Richmond, DSCR-VBD, 8000 Jefferson Davis Highway, Richmond, VA 23297-5610 by using the self-addressed Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

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1. SCOPE

1.1 Scope. This standard establishes the verification tests for parachute materials (subcontracted supplies) used in the fabrication of parachutes. These tests are for the purpose of confirming subcontractor test reports, determining conformance of material to contract specifications, and to provide data for the computation of reliability for these materials.

2. APPLICABLE DOCUMENTS (not applicable)

3. DEFINITIONS (not applicable)

4. GENERAL REQUIREMENTS

4.1 Responsibility. The testing, as set forth herein, will be conducted by the Government unless otherwise specified in the contract. Government verification testing does not in any way alter requirements of material specifications and does not relieve the contractor of the requirement to furnish proof of material conformance pursuant to established contractual requirements.

4.2 Applicability. This standard is applicable to all contracts for the following types of parachutes:

- a. Personnel.
- b. Cargo.
- c. Heavy duty deceleration and recovery.
- d. Aircraft deceleration.

5. DETAILED REQUIREMENTS

5.1 Materials. Types of textile materials comprising parachute components listed below are subject to the verification tests of this standard. The detailed construction and physical property requirements of the material are set forth in Section 3 of the specification which is included as part of the contract. Quality assurance provisions in Section 4 of the material specification provide the test methods for the verification tests required under this standard. The procedure set forth by this document does not in any way alter the requirements of the material specification and does not relieve the contractor of the requirement to furnish proof of material conformance as set forth therein.

- a. Canopy material - cloth, ribbon, tape, webbing, and thread.
- b. Pack/deployment bag - cloth duck, webbing, and reinforcing tape.

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- c. Suspension lines - webbing and braid.
- d. Harness/slings - webbing, cloth, and tape.
- e. Risers/straps - webbing, tape, and braid.

The end item specification for the specific parachute assembly or component will identify materials to be tested.

5.2 Government verification sample selection requirements. The contractor will notify the Government Quality Assurance Representative (QAR) each time a shipment or lot of components is received so that the Government QAR may draw verification or standby samples prior to the use of these components in production. Verification testing for materials shall be performed by the facility designated by the procuring activity. Two copies of the contractor's/vendor's test reports covering test samples will, for comparative analysis, be furnished to the facility designated by the procuring activity to accomplish verification testing and provide a copy for QAR files. The Government reserves the right to select (or have the contractor select), use, and retain samples without cost to the Government for the purpose of conducting an inspection to verify the results of the contractor's examination or testing. Samples for tests required by the material specification shall be taken at random from each finisher's lot within a shipper's lot received by the contractor on which a test report was furnished to the contractor or to the Government. Each unit of product shall be tagged with the number or code of the finisher's roll of which it is a part. The lot number of the samples submitted for verification testing shall be the same as the finisher's lot number on the vendor's report. Each verification test sample shall consist of the following:

- a. Five (5) yards of each type, color, and/or class of cloth.
- b. Forty (40) yards of each type, color, and/or class of tape, webbing, ribbon and braid.
- c. Half pound cone, tube, or spool of each type, color, and/or class of thread from each lot.

5.3 Government verification testing. Verification testing shall be required on each finisher's lot regardless of size. One sampling from a finisher's lot of material which is to be used to fabricate parachutes on more than one contract is authorized provided the samples are so identified.

Textile samples shall be sent to:

311 HSW/YASMT
Building 578, Materials Laboratory
7909 Lindbergh Dr.
Brooks AFB, TX 78235-5352
Tele. No. (210) 536-5049

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Contractor shall mark the National Stock Number (NSN) and the Contract Number on the shipping label.

5.4 Acceptance criteria. Material from lots, in which test data show any deviation from the requirements set forth in the material specification, shall be unacceptable for use in the fabrication of parachutes.

5.5 Lot numbers. The lot numbers used in the manufacture of end items will be furnished by the contractor when the Government is performing final inspection. The use of lots that have not been approved by the Government may result in rejection of the end item.

5.6 Verification testing. When verification testing of textile material samples is to be performed by the Government, the samples along with a copy of the contractor's certified material test reports will be furnished by the QAR to the facility designated by the procuring activity. Each sample shall be identified as follows:

- a. Contractor's name and location.
- b. Contract number(s) and/or purchase order number.
- c. Manufacturer's name and lot number of the material.
- d. Material specification number, type and/or class number.
- e. Total quantity (yards) of material in the lot represented.
- f. The number of end items to be produced from the lot.

6. NOTES (not applicable)

Custodian:
Air Force - 99

Preparing activity:
DLA - GS

(Project 1670-0967)

Reviewers:
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STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

INSTRUCTIONS

1. The preparing activity must complete blocks 1, 2, 3, and 8. In block 1, 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-STD-1525B

2. **DOCUMENT DATE (YYYYMMDD)**
20000607

DOCUMENT TITLE VERIFICATION TESTING OF PARACHUTE TEXTILE MATERIALS

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
(2) DSN
(if applicable)

7. **DATE SUBMITTED**
(YYYYMMDD)

8. PREPARING ACTIVITY

a. **NAME**

Defense Supply Center Richmond

b. **TELEPHONE** *Include Area Code)*

(1) Commercial (2) DSN
(804) 279-5019 695-5019

c. **ADDRESS** *(Include Zip Code)*

ATTN: DSCR-VBD (C. Hammond)
8000 Jefferson Davis Highway
Richmond, VA 23297-5610

IF YOU DO NOT RECEIVE A REPLY WITHIN 45 DAYS, CONTACT:

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