JJJ-C-561E
September 28, 1978
SUPERSEDING
JJJ-C-561D
August 29, 1960

FEDERAL SPECIFICATION

COTTON, PURIFIED (STERILE) AND NONSTERILE

This specification was approved by the Commissioner, Federal Supply Service, General Services Administration, for the use of all Federal Agencies.

1. SCOPE AND CLASSIFICATION

1.1 Scope. This specification covers absorbent cotton suitable for use in medical applications.

1.2 Classification.

1.2.1 Grades, classes, and sizes. The cotton shall be of the following grades, classes, and sizes as specified (see 6.2).

Grade A - Sterile (USP)
  Class I - Compressed
    Size 1 - 1-ounce package.
  Class II - Noncompressed.
    Size 1 - 1-ounce package.
    Size 2 - 2-ounce package.
    Size 3 - 3-ounce package.
    Size 4 - 1-pound package.
Grade B - nonsterile. Furnished in 1-pound rolls.

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:

Federal Specification:

PPP-B-566 - Boxes, Folding, Paperboard.
PPP-B-636 - Boxes, Shipping, Fiberboard.
PPP-B-676 - Boxes, Setup.

Federal Standard:

Fed. Std. No. 123 - Marking for Shipment (Civil Agencies).

(Activities outside the Federal Government may obtain copies of Federal Specifications, Standards, and Handbooks as outlined under General Information in the Index of Federal Specifications and Standards and at the prices indicated in the Index. The Index, which includes cumulative monthly supplements as issued, is for sale on a subscription basis by the Superintendent of Documents, US Government Printing Office, Washington, DC 20402.

(Single copies of this specification and other Federal Specifications required by activities outside the Federal Government for bidding purposes are available without charge from Business Service Centers at the General Services Administration Regional Offices in Boston, New York, Washington, DC, Philadelphia, Atlanta, Chicago, Kansas City, MO, Fort Worth, Houston, Denver, San Francisco, Los Angeles, and Seattle, WA.

(Federal Government activities may obtain copies of Federal Specifications, Standards, and Handbooks and the Index of Federal Specifications and Standards from established distribution points in their agencies.)

Military Specifications:

MIL-S-36586 - Sterilization Test Strip Set, Bacterial Spore

Military Standards:

MIL-STD-105 - Sampling Procedures and Tables for Inspection by Attributes.
MIL-STD-129 - Marking for Shipment and Storage.

(Copies of Military Specifications and Standards 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.

U. S. Pharmacopeial Convention, Inc.

The United States Pharmacopeia

(Application for copies should be addressed to the Mack Publishing Company, Easton, PA 18042.)

3. REQUIREMENTS

3.1 First article. When specified in the procurement document, the contractor shall furnish sample unit(s) for first article inspection and approval (see 4.1.2.1 and 6.2).

3.2 Materials.

3.2.1 Grade A cotton. Grade A cotton shall conform to the requirements of the United States Pharmacopeia for purified cotton, when tested as specified in 4.5.1.

3.2.2 Grade B cotton. Grade B cotton shall be made from purified new, or new reworked, cotton such as comber noils or card strips, white, fully bleached, fine filaments, and shall not contain cotton linters or cotton which has been reworked from yarns, thread, or fabric. The cotton shall be substantially free of lumps, oil spots, streaks of dirt, foreign odor, and all other foreign matter. Grade B cotton shall conform to the requirements of the USP for purified cotton for alkalinity or acidity, residue on ignition, water-soluble substances, fatty matter, dyes, and other foreign matter when tested as specified in 4.5.1.

3.2.2.1 Fiber length. Grade B cotton shall contain not less than 40 percent, by weight, of fibers 12.5 millimeters or greater in length and not more than 20 percent, by weight, of fibers 6.25 millimeters or less in length, when tested as specified in 4.5.1.

3.2.2.2 Absorbency. Grade B cotton shall become completely submerged in 10 seconds or less, and shall retain not less than 20 times its weight in water, when tested as specified in 4.5.1.

3.3 Construction. Cotton shall be carded in layer form.

3.3.1 Grade A, sterile.

3.3.1.1 Class I, compressed, size 1. Cotton shall be at least 3 1/2 inches wide and 30 inches long. Cotton layer shall not vary in thickness by more than a 2 to 1 ratio over its length, with the exception of the last 2 inches at either end. The layer comprising each package shall be in one continuous piece, except that not more than 6 percent of the total packages delivered may be comprised of two pieces (see 4.4.3). Cotton shall be underleaved with light-weight paper, average weight 20-pound (minimum weight 17 pounds), kraft or equivalent. Paper shall extend under the entire length of cotton, and at least 6 inches beyond the end of the cotton at the outer end of the roll. Paper shall be folded over the edge of the cotton for at least one inch on each side. After being rolled, the package shall be compressed so that the dimensions shall not be greater than 4 3/8 inches by 1 7/8 inches by 13/16 inch. The dry weight of the cotton shall be not less than 93 percent of the specified net weight of one ounce when tested as specified in 4.5.2.2.

3.3.1.2 Class II, noncompressed.

3.3.1.2.1 Sizes 1, 2, and 3. Cotton layer shall not vary in thickness by more than a 2 to 1 ratio over its length, with the exception of the last two inches at either end. Cotton shall be underleaved with light-weight paper, average weight 20-pound or greater (minimum weight 17-pound), kraft or equivalent. Paper shall extend under the entire length of cotton, and at least 4 inches beyond at the outer end of the roll. Paper shall be folded over the edge of the cotton for at least one inch on each side. The dry weight of the cotton shall be not less than 93 percent of the specified net weight when tested as specified in 4.5.2.2. The net weight of sizes 1, 2, and 3 shall be 1 ounce, 2 ounces, and 3 ounces respectively.

3.3.1.2.2 Size 4. Cotton shall be 11½ ± 1½ inches wide and 10 ± 2 feet long. Cotton layer shall not vary in thickness by more than a 2 to 1 ratio over its length, with the exception of the last 4 inches at either end. The layer comprising each package shall be in one continuous piece, except that not more than 6 percent of the total packages delivered may be comprised of two pieces (see 4.4.3). Cotton shall be underleaved with light-weight paper, average weight 20-pound or greater (minimum weight 17-pound), kraft or equivalent. Paper shall extend under the entire length of the cotton and at least 12 inches beyond the end of the cotton at the outer end of the roll. Paper shall be folded over the edge of the cotton for at least one inch on each side. The dry weight of the cotton shall be not less than 93 percent of the specified net weight of one pound, when tested as specified in 4.5.2.2.

3.3.2 Grade B, nonsterile. Cotton shall be 11½ ± 1½ inches wide and 10 ± 2 feet long. The layer comprising each package shall be in one continuous piece, except that not more than 6 percent of the total number of packages delivered may be comprised of two pieces (see 4.4.3). Each package shall have a lightweight paper, average weight 20-pound or greater (minimum weight 17-pound), kraft or equivalent, running under the entire length and to within one inch of each side. The paper and cotton shall be tightly and evenly rolled together. The dry weight of the cotton shall be not less than 93 percent of the specified net weight of 1 pound when tested as specified in 4.5.2.2.

3.3.3 Weight. The average net weight of cotton in all packages shall be not less than the weight specified for the designated size (1.2). The net weight of cotton for any individual package shall be not less than 90 percent of the specified weight. Net weight shall be determined as specified in 4.5.2.1.

3.4 Sterility. Grade A cotton shall be sterile when tested with a biological indicator as specified in 4.5.4.

3.4.1 Certificate of sterility. A certificate of sterility, stating that samples from each sterilizer lot have been tested and found to be sterile, shall be submitted to the procuring activity. The certificate of sterility shall include:

a. Item identification.
b. National Stock Number.
c. Contract or purchase order number.
d. Sterility lot or control number.
e. Date of sterilization.
f. Quantity of product in sterilizer lot.
g. Type of sterilization (gas, radiation, heat, steam, etc.)
h. Form of biological indicator (i.e., inoculated paper spore strip or carrier, or inoculated product.
i. Test organism(s) and population density used.
j. Test medium, incubation temperature, incubation time, and dates of tests.
k. Number of test units.
l. Statement that samples comply with sterility tests.
m. Signature of head of a laboratory or a designated qualified alternate.

When the contract provides for acceptance at destination, the certificate of sterility shall be submitted by the contractor to the procuring activity (see 6.4) and a copy forwarded with each shipment to the consignee. When the contract provides for acceptance at source, certificate of sterility shall be furnished to the cognizant Government Quality Assurance Representative for submission to the procuring activity.

3.4.2 Sterility lot. A sterility lot is that single quantity of product subjected to the same manufacturing operation and simultaneously sterilized in the same sterilizer chamber. Each sterility lot shall be traceable to the pertinent manufacturing lot(s).

3.5 Workmanship. Cotton shall be free from defects which detract from its appearance or which may impair its serviceability.

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 Records. Records of examinations and tests performed by or for the contractor shall be maintained by the contractor and made available to the Government, upon the Government's request, at any time, or from time to time, during the performance of the contract and for a period of three years after delivery of the supplies to which such records relate.

4.1.2 Inspection. Inspection, as used in this specification, is defined as both examination (such as visual and auditory investigation without the use of special laboratory appliances or procedures) and testing (determination by technical means of physical and chemical properties) of the item.

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

a. First article inspection.
b. Quality conformance inspection.

4.1.2.1.1 First article inspection. First article inspection shall be performed on cotton when a first article sample is required (see 3.1). This inspection shall include examination of 4.4 and tests of 4.5.

4.1.2.1.2 Quality conformance inspection. Quality conformance inspection shall include the examination of 4.4 and tests of 4.5.

4.1.3 Certificates of quality. Certificates of quality, supplied by the manufacturer of the materials may be furnished in lieu of actual performance of such testing by the contractor, provided lot identity has been maintained and can be demonstrated to the Government and provided also that the test methods and the results obtained comply with those described in this specification. The certificate shall include the name of the contractor, the contract number, the name of the manufacturer or supplier, the NSN, the Item Identification, the name of the component/material, the lot number, the lot size, the sample size, the date of testing, the test method, individual test results, and the specification requirements.

4.2 Inspection lot.

4.2.1 Raw materials. An inspection lot for raw material inspection shall be all material produced under the same conditions and controlled to the degree that uniformity of product within the designated lot can be assured. Lot identification of the raw material by the manufacturer is one method of control, as cited above, which is considered acceptable.

4.2.2 End product. An inspection lot for inspection of end product shall consist of all cotton of the same type produced under essentially the same conditions and offered for inspection at one time.

4.3 Sampling.

4.3.1 For examination. Sampling for examination shall be conducted in accordance with MIL-STD-105, and table I. The unit of product for sampling purposes shall be one package.

TABLE I. Sampling for examination

	Inspection level	AQL (percent defective)
For visual examination		
Major defects	S-3	1.0
Total defects (Major and Minor combined)	S-3	4.0
For dimensional examination	S-1	2.5
For continuous length examination	S-3	6.0

4.3.2 For tests. Sampling for tests shall be conducted in accordance with MIL-STD-105 and table II, for an inspection level of S-2 and an acceptance level of zero. The unit of product for sampling purposes shall be one package. A minimum of 5 packages from each lot of cotton received by the manufacturer shall be tested in accordance with 4.5.1 and 4.5.2.2.

TABLE II. Sampling for tests

Characteristic	Requirement	Test procedure
Compliance of cotton with USP Requirements	3.2.1, 3.2.2	4.5.1
Dry weight of cotton	3.3.1.1, 3.3.1.2.1, 3.3.1.2.2, 3.3.2	4.5.2.2
Average net weight	3.3.3	4.5.2.1
Waterproofness of package	5.1.1.1.1	4.5.3
Sterility	3.4	4.5.4

4.4 Examination. The cotton shall be examined to determine compliance with all requirements contained in this specification.

4.4.1 Classification of defects. Examination shall be conducted in accordance with the classification of defects listed in table III. Examination shall not be restricted to the classified possible defects listed below.

TABLE III. Classification of defects

Major	
101	Cotton not bleached.
102	Paper not folded over edges of cotton as specified.
103	Paper does not extend under entire length of cotton.
104	Container not properly and securely fastened.
105	Container has tear or hole.
Minor	
201	Cotton has adhering seeds or other foreign matter.
202	Cotton has foreign odor.
203	Cotton has lumps.
204	Polyethylene bag not as specified (Grade A, class I).
205	Marking on unit package not as specified.

4.4.2 Dimensional examination. The packages shall be examined for defects in dimensions. Any dimension not within the tolerances specified herein shall be classified as a defect.

4.4.3 Continuous length examination. The packages selected for examination shall be examined to determine if the cotton layer is in one continuous piece.

4.4.4 Examination of preparation for delivery. An examination shall be made to determine compliance with the packaging, packing and marking requirements of section 5. Defects shall be scored as specified in table IV. Sampling shall be in accordance with MIL-STD-105. The sample unit shall be one container fully prepared for delivery. The lot shall be the number of containers offered for inspection at one time. The inspection level shall be S-2 with an AQL of 4.0 expressed in terms of percent defective.

TABLE IV. Examination of preparation for delivery

Examine	Defect
Contents	Not as specified.
Container	Not as specified.
Marking	Omitted; Incorrect; illegible; improper size, location, sequence or method of application.
Material	Component missing or damaged.
Workmanship	Bulging or distortion of containers.

4.4.4.1 Examination of closure, waterproofing and banding of container. When the container is required to comply with the examination for defects in closure, waterproofing or banding shall be in accordance with the appendix of the box specification.

4.5 Tests. Tests shall be conducted to determine compliance with specification requirements.

4.5.1 Cotton. Cotton shall be tested in accordance with the latest edition of the United States Pharmacopeia for purified cotton.

4.5.2 Weight.

4.5.2.1 Average net weight. Sample packages shall be opened, the cotton removed, and the cotton from each package weighed separately. The scale shall be accurate to ± 10 milligrams (mg). The average net weight of cotton per package shall be calculated.

4.5.2.2 Dry weight. A specimen of cotton weighing approximately 2 grams shall be taken from each sample package. The specimens shall be combined and weighed to the nearest 10 mg. The combined specimens shall be placed in a completely dry weighing bottle and the specimens and the bottle weighed together. The bottle and the specimens shall be dried in an air oven at 105^{o} ± 2^{o}C (221^{o} ± 4^{o}F) until a constant weight (± 10 mg) is reached. The bottle and specimens shall then be cooled in a dessicator and weighed to the nearest 10 mg. The percentage of dry cotton shall be calculated. Alternate test methods will be considered, subject to prior approval by the contracting officer.

4.5.3 Waterproofness of package. The grade A, class 1, size 1 package shall be immersed in water at 21^{o} ± 10^{o}C (70^{o} ± 18^{o}F) for one hour. The package shall be blotted completely dry on the outside and the polyethylene bag shall be cut open. The cotton and paper roll shall be examined for moisture.

4.5.4 Sterility test. The cotton shall be tested for sterility in accordance with the method specified in the USP for purified cotton, gauze, surgical dressings and related material using inoculated product or paper spore strip (carrier). Product containing a biological indicator shall be marked or labeled so that it clearly differentiates from product intended for distribution. The incubation medium and minimum time in each case shall be soybean casein digest for 7 days for inoculated product, or paper spore strip (carrier). The incubation temperature shall be as indicated in 4.5.4.1. The minimum number of test units, regardless of lot size, shall be 10, except for inoculated carrier which shall be 20 for type I sterilization (steam) and 30 for type II sterilization (other than steam) including inoculated carrier and product test units. The inspection level shall be as indicated in table II Sampling for tests.

4.5.4.1 Inoculated product. For each type of sterilization, the organism used shall be as listed below:

Type of Sterilization	Organism	Incubation Temperature
Steam	B. stearothermophilus	55° - 65°C
Dry Heat	B. stearothermophilus	55° - 65°C
	B. subtilis var. niger (or globigii)	30° - 35°C
Gas	B. subtilis var. niger (or globigii)	30° - 35°C
Radiation	B. pumilus	30° - 35°C

The number of viable cells shall be sufficient to provide assurance that the product has been sterilized.

4.5.4.2 Inoculated carrier. Inoculated carriers (paper spore strips) if used, shall be in accordance with MIL-S-36586. Other paper carriers shall be inoculated to be of equivalent resistance. The method of incubation and number of test units shall be as indicated in 4.5.4 Sterility test and 4.5.4.1 Inoculated product. The method of sterilization will control the organism in the spore strip to be tested for as shown in 4.5.4.1. Note: When an inoculated carrier is chosen, product samples must also be tested as required by the USP.

4.5.4.3 Alternate method. Suppliers conducting sterility tests or designating lots in a manner other than that indicated herein shall submit proof that the alternate method provides equal assurance concerning the sterility of the product. However, all sterility tests shall be conducted using biological indicators. Requests for approval of any alternate method of testing for sterility shall be made to the Contracting Officer, and approval obtained before employment of the alternate method on a government contract.

4.5.4.4 Product testing. Testing for sterility of the product after receipt by the government shall be without a biological indicator and in accordance with the USP.

5. PREPARATION FOR DELIVERY

5.1. Packaging. Packaging shall be level A or C (commercial), as specified (see 6.2).

5.1.1 Level A.

5.1.1.1 Unit package.

5.1.1.1.1 Grade A, class I, size 1. Each compressed roll shall be packaged in a clear polyethylene bag having an average wall thickness of .004 inch. Excess air shall be evacuated from the bag and the closure effected by heat sealing. The

completed package shall measure approximately 4-1/2 inches by 2 inches by 7/8 inches and shall be capable of maintaining sterility of contents unless damaged or opened. The sealed package shall show no sign of leakage when tested as specified in 4.5.3.

5.1.1.1.2 Grade A, class II, sizes 1, 2 and 3. Each roll shall be packaged in a sealed box conforming to PPP-B-566 and capable of maintaining sterility of contents unless damaged or opened. The sealed box shall not be capable of being resealed.

5.1.1.1.3 Grade A, class II, size 4. Each roll shall be packaged in a sealed box conforming to PPP-B-566 and capable of maintaining sterility of contents unless the box is damaged or opened. The sealed box shall not be capable of being resealed. The dimension of the box shall not exceed 13 inches by 4-7/8 inches by 4-7/8 inches.

5.1.1.1.4 Grade B. Each roll shall be overwrapped in heavy kraft paper and the wrap secured with tape or adhesive. As an alternate, each roll shall be packaged in a box conforming to PPP-B-566. Closure of the box shall be as specified in the appendix of the box specification.

5.1.1.2 Intermediate package.

5.1.1.2.1 Grade A, class I, size 1 and grade A, class II, sizes 1 thru 3. One hundred and forty-four unit packages containing cotton of one class and size only shall be packaged in a box conforming to PPP-B-566, PPP-B-636, class domestic or PPP-B-676. Closure shall be as specified in the appendix of the applicable box specification.

5.1.1.2.2 Grade A, class II, size 4 and Grade B. Twenty unit packages containing cotton of one grade only shall be packaged in a box conforming to PPP-B-636, class domestic. Closure shall be as specified in the appendix of the box specification.

5.1.2 Level C. Grade A, class 1, size 1 cotton shall be packaged as specified in 5.1.1.1.1. Grade A, class II, size 4 cotton shall be packaged as specified in 5.1.1.1.3. Grade A, class II, sizes 1, 2 and 3 and Grade B cotton shall be packaged in a manner that will afford adequate protection against deterioration and physical damage during shipment from the supply source to the first receiving activity. In addition, the container for Grade A, class II, sizes 1, 2 and 3 shall be capable of maintaining sterility of contents unless the container is damaged or opened.

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

5.2.1 Level A. Two intermediate packages containing cotton of one grade, class and size only shall be packed in a shipping container designed for a type 2 load and conforming to PPP-B-636, class weather-resistant. Closure, banding and waterproofing shall be as specified in the appendix of the box specification.

5.2.2 Level B. Cotton shall be packed as specified in 5.2.1 except that the shipping container shall conform to PPP-B-636, class domestic and banding and waterproofing shall not be required.

5.2.3 Level C (commercial). The packaged cotton shall be packed in shipping containers in a manner that will afford adequate protection against damage during direct shipment from the supply source to the first receiving activity. These packs shall conform to the carrier's rules and regulations.

5.3 Marking.

5.3.1 Civil agencies. Marking for shipment shall be as specified in MIL-STD-123.

5.3.2 Military agencies.

5.3.2.1 Unit packages.

5.3.2.1.1 Grade A. Each unit package shall be marked in accordance with the requirements of the Federal Food, Drug and Cosmetic Act and as specified in MIL-STD-129. Marking shall also include the name or registered trademark of the contractor, the word "compressed" or "non-compressed" as applicable, the legend "STERILE" and "STERILITY GUARANTEED UNLESS PACKAGE IS DAMAGED OR OPENED" or similar statement, and the method of sterilization (G-Gas, R-Radiation, S-Steam or D-Dry heat) shall be shown following the level of packaging and date of packaging. Example: "A 6/78-G". Final sterilization shall be on or after indicated packaging date.

5.3.2.1.2 Grade B. Each unit package shall be marked as specified in MIL-STD-129. The name or registered trademark of the contractor shall be shown. Marking shall include the legends: "NONSTERILE BLEACHED COTTON" and "WARNING - Do not use on cuts, open wounds, or broken skin. Not to be confused with Purified (Absorbent) Cotton, U.S.P.. This product is not sterile and the fiber length is shorter than specified for Purified Cotton, U.S.P."

5.3.2.2 Intermediate package and shipping container. Each intermediate package and shipping container shall be marked as specified in MIL-STD-129. In addition, containers containing Grade A cotton shall be marked with the sterility lot or control number and the method of sterilization as specified in 5.3.2.1.1.

6. NOTES

6.1 Intended use. The cotton is intended for use in medical facilities.

6.2 Ordering data. Purchasers should select the preferred options permitted herein and include the following information in procurement documents.

a. Title, number and date of this specification.
b. Selection of applicable levels of packaging and packing (see 5.1 and 5.2).

c. Grade, class and size required (see 1.2).
d. When a first article is required (see 3.1, 4.1.2.1 and 6.3).
e. Number of unit packages to be packaged in each intermediate and shipping container.

6.3 First article. When a first article is required, it shall be tested and approved under the appropriate provisions of the Defense Acquisition Regulation/ Armed Services Procurement Regulation. The contract or purchase order specifies the quantity, procedure for delivery and other specific instructions for inspection and approval of the first article.

6.4 Certificates of sterility. For military procurements originating from the Defense Personnel Support Center, Philadelphia, PA, certificates of sterility shall be forwarded to the Directorate of Medical Materiel, ATTN: DPSC-ATQ, Defense Personnel Support Center, 2800 South 20th Street, Philadelphia, PA 19101. For procurements originating from other agencies, certificates of sterility shall be forwarded as indicated by the contracting officer (see 3.4.1).

6.5 This specification covers the following items appearing in the Federal Supply Catalog:

National Stock Number	Item Identification	Grade	Class	Size
6510-00-201-3000	COTTON, PURIFIED, USP, 1 oz.	A	I	1
6510-00-201-4000	COTTON, PURIFIED, USP, 1 lb.	A	II	4

MILITARY CUSTODIANS:
Army - MD
Navy - MS
Air Force - 03

Preparing activity:
DLA-DM

Civil Agency Coordinating activities:
GSA-FSS
HEW-HSM, NIH
VA-DMS

Review activity:
DOD - MB

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DOCUMENT IDENTIFIER (Number) AND TITLE

JJJ-C-561E COTTON, PURIFIED (STERILE) AND NONSTERILE

NAME OF ORGANIZATION AND ADDRESS OF SUBMITTER

☐ VENDOR ☐ USER ☐ MANUFACTURER

1. ☐ HAS ANY PART OF THE DOCUMENT CREATED PROBLEMS OR REQUIRED INTERPRETATION IN PROCUREMENT USE? ☐ IS ANY PART OF IT TOO RIGID, RESTRICTIVE, LOOSE OR AMBIGUOUS? PLEASE EXPLAIN BELOW.

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B. RECOMMENDED WORDING CHANGE

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