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METRIC

A-A-54869
17 May 1993

COMMERCIAL ITEM DESCRIPTION

MICROSCOPE, SURGICAL

Binocular, Multi-Disciplinary

The General Services Administration has authorized the use of this Commercial Item Description.

This Commercial Item Description covers a multi-disciplinary surgical microscope with interchangeable objectives.

Salient Characteristics:

The surgical microscope shall be a fiber optic illuminated unit with interchangeable objectives for use by the Ophthalmic surgeon, ENT surgeon, Neurosurgeon, Oral surgeon and Vascular surgeon.

The microscope body shall consist of a three step magnification changer providing settings of 0.6/1.0/1.5-1.6. The microscope shall have straight binocular tubes with a focal length of 160 mm and a 0-180 degree inclined binocular tube with a focal length of 160 mm. The surgical microscope shall have an adjustable interpupillary adjustment range of at least 55-75 mm.

The eyepiece shall be wide high eye-point with a diopter adjustment range of plus 8 to minus 4 diopters. High and low easily changeable rubber cups shall be provided. The magnification factor of the eye pieces shall be 10x.

The system shall be provided with four interchangeable objective lenses with focal lengths of 175, 250, 300 and 400 mm. The system shall provide for fine focusing with a

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travel range of at least 10 mm. Lenses shall have multi-layer broad band, anti-reflective coatings. Capability for a field of view of at least 40 mm with a 175 mm focal length objective and 160 mm focal length binocular tube shall be provided. Sterilizable and removable maneuvering handles shall be provided.

The illumination shall be provided by a coaxial fiber optic illumination system with exchangeable fiber optic bundle. Light shall be provided by halogen reflector or projector lamps. Either a built-in spare lamp or a spare plug-in module with bulb shall be provided. Light control shall be by two position brightness control as well as by a dimmer switch.

The structural support system shall include a floor stand with lockable casters. The height of the stand shall be within a range of 135 to 150 cm. The system shall be provided with spring balanced double suspension arms providing an extension of at least 100 cm (plus or minus 10 cm) horizontal and vertical range of at least 67 cm.

Power supply shall be usable with 110/220V/50-60 Hz.

Workmanship. The surgical microscope shall be free from defects which detract from its appearance or impair its serviceability.

Unit. Each (EA). One surgical microscope, as specified, constitutes one unit.

Quality Assurance Provisions.

Responsibility for inspection. Unless otherwise specified in the contract or purchase order, the contractor is responsible for the performance of all inspection requirements as specified herein. Except as otherwise specified in the contract or purchase order, the contractor may use his own or any 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.

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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.

Inspection. Inspection, as used herein, is defined as both examination (such as visual or 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.

Sampling for examination. Sampling for examination shall be conducted in accordance with MIL-STD-105, with an AQL of 2.5 (percent defective) and an inspection level of S-2. The unit of product for examination purposes shall be one microscope.

Sampling for tests. Sampling for tests, including dimensional tests, shall be conducted in accordance with MIL-STD-105, with an AQL of 2.5 (percent defective) and an inspection level of S-2. The unit of product for test purposes shall be one microscope.

Tests. Tests shall be conducted to determine compliance with specification requirements. Where feasible, the same sample shall be used for the determination of two or more test characteristics. Tests shall include, but shall not be limited to, the following:

Performance testing. The surgical microscope shall be completely assembled in its operating configuration and tested to determine its capability for proper operation.

Metric products. Products manufactured to metric dimensions will be considered on an equal basis with those manufactured using inch-pound units, providing they fall within the tolerances specified using conversion tables contained in the latest revision of Federal Standard 376, and all other requirements of this document are met.

If a product is manufactured to metric dimensions and those dimensions exceed the tolerances specified in the inch/pound units, a request should be made to the contracting officer to determine if the product is acceptable.

The contracting officer has the option of accepting or rejecting the product.

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Contractor certification. The contractor shall certify and maintain substantiating evidence that the product offered meets the salient characteristics of this Commercial Item Description, and that the product conforms to the producers' own drawings, specifications, standards, and quality assurance practices. The government reserves the right to require proof of such conformance prior to first delivery and thereafter as may be otherwise provided for under the provisions of the contract.

Regulatory requirements.

Federal Food, Drug and Cosmetic Act. If the product covered by this document has been determined by the U.S. Food and Drug Administration to be under its jurisdiction, the offeror/contractor shall comply, and be responsible for compliance by its subcontractors/suppliers, with the requirements of the Federal Food, Drug and Cosmetic Act, as amended, and regulations promulgated thereunder. In addition, the offeror/contractor shall comply, and be responsible for compliance by its subcontractors/suppliers, with the requirements of all other applicable Federal, State, and local statutes, ordinances, and regulations.

Recovered materials. The offeror/contractor is encouraged to use recovered material in accordance with Federal Acquisition Regulation Subpart 23.4 to the maximum extent practical.

Preservation, packaging, packing, labeling, and marking. Unless otherwise specified, preservation, packaging, and packing shall be to a degree of protection to preclude damage to containers and/or contents thereof under normal shipping conditions, handling, etc., involving shipment from the supply source to the receiving activity, plus reshipment from receiving activity, and shall conform to applicable carrier's rules and regulations. Intermediate and exterior package quantities and labeling and marking shall be as specified in the contract and/or order.

Ordering data. Intermediate/exterior package quantities, labeling, and marking must be specified in the contract and/or order.

NOTE: The following National Stock Number is covered by this document.

6515-01-335-9383

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MILITARY INTERESTS:

Custodians:

Air Force - 03
Army - MD
Navy - MS

PREPARING ACTIVITY:

DoD-MB

Agent:

DLA-DM

CIVIL AGENCY COORDINATING ACTIVITIES:

FDA-MPQAS
USPHS
VA - OSS

Project Number: 6515-5441

Location: MICR2C14.DOC

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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 | 2. DOCUMENT DATE (YYMMDD) |
|---|---|---|
| | A-A-54869 | 17 May 1993 |

3. DOCUMENT TITLE
MICROSCOPE, SURGICAL Binocular, Multi-Disciplinary

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)<br>(1) Commercial<br>(2) AUTOVON<br>(If applicable) | 7. DATE SUBMITTED (YYMMDD) |

8. PREPARING ACTIVITY

| a. NAME | b. TELEPHONE (Include Area Code) | |
|---|---|---|
| DEFENSE PERSONNEL SUPPORT CENTER<br>ATTN: DPSC-MSE | (1) Commercial<br>AC 215-737-2870 | (2) AUTOVON<br>AV 444-2870 |
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