

STATE OF DELAWARE



**DELAWARE HEALTH
AND SOCIAL SERVICES**

DIVISION OF MANAGEMENT SERVICES
1901 N. DuPont Highway
New Castle, DE 19720

SPECIFICATIONS AND CONTRACT DOCUMENTS NO. 7183

FOR

Dental Equipment

Required for Use By

**Delaware Psychiatric Center
1901 N. DuPont Highway
New Castle, DE 19720**

Deposit	WAIVED
Performance Bond	WAIVED
Date Due:	Tuesday, May 15, 2007
	11:00 A.M. Local Time

There will be a Mandatory pre-bid meeting (site-Visit) on Monday, April 30, 2007 at 10:30 AM at the Herman M. Holloway Sr. Health and Social Services Campus, Main Building South Loop, 1901 N. DuPont Highway, New Castle, DE 19720. Questions and answers will be addressed at the pre-bid meeting only.

DELAWARE HEALTH AND SOCIAL SERVICES
HERMAN M. HOLLOWAY SR. HEALTH AND SOCIAL SERVICES CAMPUS
DMS - PROCUREMENT BRANCH
1901 N. DUPONT HIGHWAY
NEW CASTLE, DELAWARE 19720

INVITATION TO BID # 7183

Sealed bids for Dental Equipment are requested by the Delaware Psychiatric Center.

A mandatory pre-bid meeting will be held on Monday, April 30, 2007 at 10:30 AM at the Herman M. Holloway Sr. Health and Social Services Campus, South Loop, Main Building, Room 198, 1901 N. DuPont Highway, New Castle, DE 19720.

Directions to the mandatory pre-bid meeting are available at <http://www.dhss.delaware.gov/dhss/main/maps/holloway/campsmap.htm>

Bids will be accepted at the Herman M. Holloway Sr. Delaware Health & Social Services Campus, Main Administration Building (South Loop), Procurement Branch Second Floor, Room # 262, 1901 North DuPont Highway, New Castle, Delaware 19720, until **11:00 A.M. local time on Tuesday, May 15, 2007** at which time they will be opened, read and recorded.

Specifications may be obtained at the above office. Phone: (302)255-9297.

PLEASE NOTE: The following paragraphs from the General Requirements hereby become part of the General Terms and Conditions of this bid.

1, 2, 3.1, 3.3, 4, 5, 6, 7, 8, 9, 10, 13, 16.1, 16.2, 17, 23, and 25.

CONTACT PERSON: Sylvia Adams - (302) 255-9297.

DELIVERY INSTRUCTIONS

- All bids must be delivered to the address on the bid envelope.
- Under no circumstances will a bid be accepted that is late, delivered to the wrong building, signed for by a person other than a member of the procurement staff. To ensure that your bid is in the procurement office on the date and time specified, there are three (3) recommended methods of delivering bid proposals:
 - Hand Deliver
 - Federal Express
 - UPS

NOTE TO VENDORS

- Only one bid will be accepted by a bidder.
- Your bid must be signed and all information on the signature page completed. If you do not intend to submit a bid, return the face sheet with "NO BID" written on the front with your company's name, address and signature.
- Include a detailed response to the specifications. Please specify if the vendor is unable to meet any of the specified items.
- Bid totals must include delivery, warranty, service agreement, training, and/or upgrades or your bid will not be accepted.
- Your bid must have on the outside envelope our four (4) digit contract number. If this is omitted your bid will immediately be rejected.
- Agency will review all bid proposals and evaluate same. One bidder will be awarded the contract.
- This bid may be extended up to five (5) years. Additional pieces of equipment may be requested at a later date.

FOR FURTHER BID INFORMATION PLEASE CONTACT:

Buyer: Sylvia T. Adams
Delaware Health and Social Services
DMS – Procurement Branch
Main Bldg., 2nd Floor, Room 262
1901 N. DuPont Highway
New Castle, DE 19720
(302) 255-9297
sylvia.adams@state.de.us

SPECIFICATIONS

I. A-DEC 4631 DUO DELIVERY SYSTEM or APPROVED EQUAL Quantity: 3

GENERAL PRODUCT DESCRIPTION

The 4631 Duo Delivery system is an integrated part of the A-dec 5580 Treatment Console. It shall be one element of a complete dental package that is dependent on the cabinetry and unit for completion.

1.0 ESSENTIAL CHARACTERISTICS

1.1 Materials:

Materials shall be new and shall conform to applicable specifications hereinafter stated. Materials not specifically described shall be entirely suitable for the purpose intended.

1.2 Agency Listing:

- 1.2.1 The standard catalog delivery system must be UL and C-UL classified. Any special requirements that make the unit non-UL or C-UL classified shall be manufactured to UL or C-UL standards.

1.3 Asepsis:

Manufacturer must clearly demonstrate, by its selection and use of materials in construction, its attention to improved asepsis within the dental operatory (clean lines, smooth shapes, and cleanable surfaces with minimized joints and seams, flush or covered controls).

1.4 Asepsis Requirements:

- 1.4.1 Built-in handpiece flush system: The handpiece control shall have provision for flushing water through the handpiece water tube by activating a momentary flush valve. This does not require activation of the handpiece by depressing the foot control.

1.4.2 Drip-free, non-retraction shall be accomplished by:

1. Built-in, non-retraction for each handpiece control block providing no retraction at the handpiece water tube.
2. Built-in check valve in foot control which forces air in handpiece air coolant line to exhaust out handpiece air coolant tube. This helps eliminate any contamination into water tube.

- 1.4.3 The syringe shall be a design that can be easily removed from the handle and autoclaved. It shall have smooth lines and transitions for ease of cleaning. The air, water and spray control button shall be a two button Teflon-coated design and make smooth transitions with the top of the syringe head. The syringe tip must quick disconnect and be fully autoclavable. The metal parts of the syringe are brass with a stainless steel threaded insert at the base of the syringe head for ease of attachment to the handle. All exposed surfaces must be chrome plated.
- 1.4.4 Foot control with wet/dry toggle on it.
- 1.4.5 Handpiece tubings shall have smooth outer surface for ease of complete wipe down and disinfecting. The handpiece nut shall have smooth outer surface and no grooves or knurling which may trap debris.
- 1.4.6 Non-retraction at air/water syringe.
- 1.4.7 A handpiece delivery system designed to help meet infection control requirements shall be provided. The system must allow easy and complete external cleaning. It shall include but not be limited to the following:
 - 1.4.7.1 Individual holders molded from a phenolic compound are easy to clean and are capable of being barrier protected.
 - 1.4.7.2 A removable key that can be autoclaved shall be used to adjust water and air coolant for all handpieces.
- 1.5 Instrument Tubing:

Tubing attached to instruments shall be of suitable length to provide functional operator use, but must not be capable of reaching the floor during use or when in a stored position.
- 1.6 Left/Right Handed Accommodation:

The handpiece control system and vacuum accessory group shall be capable of pivoting from one side of the work surface to the other to accommodate either a left or right handed operator without the use of tools. All instrument delivery positions may be fully duplicated on either side of the work surface to allow both the right and left handed operator complete uncompromised utilization of the equipment.
- 2.0 REQUIREMENTS
- 2.1 Basic Frame Structure:

The basic frame structure shall include but not be limited to the following items:

 - 2.1.1 All supply tubing and wiring shall run through an umbilical on the underside of the countertop, and subsequently be plumbed to control assembly located on a pullout shelf in the center right module of left/right treatment console.

2.1.6 A 19" x 19" work surface constructed of 1" thick fiberboard with a covered laminate surface. Shall have a 14 ½" long by ½" diameter handle will be attached to the front of the work surface. The work surface shall be attached to the cabinet with two pivotal arms. The first arm is 7 ½", has the ability to rotate 90 degrees, and mounts internally to the 5580 Treatment Console cabinet with a 6" x 6" x 1/4" steel plate. This allows the work surface to move side-to-side for maximum adaptability for left- and right-hand users. The second pivotal arm is 13-1/2" long and has the ability to rotate 180 degrees. The 19" x 19" work surface has an additional 180 degrees of rotation.

2.1.7 A self-contained water system shall attach to the cabinet and be located under the 19" x 19" work surface. Water system shall be pressurized with unit air and shall provide water to the syringe, handpieces, and water quick-disconnect. System will have a one liter water bottle.

2.2 Handpiece Control System:

A control panel will be concealed in the 5580 Treatment Console by a door. The control panel will pull out 3" for service access. It shall include but not be limited to the following items:

2.2.1 It shall operate three dental handpieces with automatic selection. Handpiece automatic selection and activation shall be accomplished by removing handpiece from its holder and depressing foot control. Individualized handpiece holders shall be of such design as to permit handpieces to be positioned from 10° above horizontal to vertical.

2.2.2 Master air and water system shutoff valve shall be activated by a toggle.

2.2.3 Individual handpiece pressure adjustment by the use of a hex key.

2.2.4 Individual handpiece water coolant adjustment made by the use of a removable key that can be autoclaved. Non-retraction handpiece control blocks. Water coolant must come on at 10 psi from foot control signal.

2.2.5 Handpiece air coolant adjustment made by the use of a removable key that can be autoclaved.

2.2.6 Handpiece pressure readout gauge.

2.2.7 Individual handpiece control blocks and integrated supply manifold constructed of nickel-plated brass, utilizing fabric reinforced neoprene diaphragms and clear polyurethane gaskets, and are interconnected without tubings. Removable cartridge valves allow for quick and easy servicing of blocks.

2.2.8 Variable proportion speed control supplied through a slim-line, disc-type foot control. Foot control shall include a water coolant ON/OFF control with a flexible break resistant toggle. The foot control shall be capable of delivering 1.5 cfm at 30 psi with 80 psi supply pressure. Foot control shall be 6 inches in diameter and 1.3 inches high.

2.2.9 Handpiece holders shall have left/right capability without the use of tools. The handpiece holder mounting arms have the ability to rotate horizontally 180 degrees, and have a 5" usable range of vertical travel.

- 2.2.10 Individually colored tubing for ease of identification and service.
- 2.2.11 International standards organization symbols used where appropriate.
- 2.2.12 Permanently adjusted pneumatic valves in control handpiece holder.
- 2.2.13 Reusable tubing clamps which may be installed or removed without tools.

2.3 Assistant's Instrumentation:

The assistant's evacuation arm and instruments shall include but not be limited to the following items:

- 2.3.1 One vacuum handpiece that shall have an aseptic design with no sharp corners or crevices which trap debris. The rotary ON/OFF valve shall make a smooth transition to the body of the handpiece. The valve has quick disconnect tailpiece that allows easy removal for cleaning or autoclaving. The connection at the back of the handpiece must swivel 360°. It shall have a screen for catching large debris (i.e. cotton balls) before it reaches solids collector. The tubing shall be reinforced and smooth to allow easy wipe down and disinfecting.
- 2.3.2 A saliva ejector hose with an ON/OFF control having a stop in the full open and closed positions. The valve shall be easy to remove for cleaning or autoclaving.
- 2.3.3 The syringe shall be a design that can be easily removed from the handle and autoclaved. It shall have smooth lines and transitions for ease of cleaning. The air, water and spray control button shall be a two button Teflon-coated design and make smooth transitions with the top of the syringe head. The syringe tip must quick disconnect and be fully autoclavable. The metal parts of the syringe are brass with a stainless steel threaded insert at the base of the syringe head for ease of attachment to the handle. All exposed surfaces must be chrome plated.
- 2.3.4 A solids collector with screen shall be installed at the assistant arm assembly. The screen shall be removable and have easy access.
- 2.3.5 Handpiece holders have a left/right capability without the use of any tools. The handpiece holder mounting arms have the ability to rotate horizontally 180 degrees, and have 7" usable range of vertical travel.

2.4 Utilities:

Utility shall include but not be limited to the following features:

- 2.4.1 Individual air and water pressure regulators.
- 2.4.2 ON/OFF control of regulators provided by pneumatic master switch.
- 2.4.3 Visual indication of ON/OFF status provided on the control faceplate.
- 2.4.4 Individual air and water pressure gauges.
- 2.4.5 Identical air and water filters which can easily be changed without the use of tools.

2.4.6 Manual air and water shut-off valves.

2.4.7 Replaceable filter screens included in shut-off valves.

2.4.8 Umbilical shall consist of air and water supply tubing, 18 gauge/3 wire electrical cord and 3/4 inch I.D. vacuum line.

2.5 Components

In the design and fabrication of this equipment, maximum use shall be made of standard, proven parts and components. Non-standard parts shall have standard threads and fittings wherever practicable.

2.6 Materials and Finishes

Fabrication materials shall be of high commercial quality throughout and shall be entirely suitable for the purpose intended.

2.7 Identification

The appropriate components of the dental unit shall be equipped with nameplates identifying the equipment by model or serial number and giving pertinent electrical and mechanical data and rating.

2.8 Operator's Instruction Manual

A brief and concise instruction manual shall include but not be limited to the following:

2.8.1 Instructions for operation of the equipment, and description of those operations necessary for maintenance and repair.

3.0 GUARANTEE

All equipment purchased under these specifications shall be guaranteed to the extent of repair and replacement against defects in workmanship and materials for a period of one year from the date of acceptance by owner. Automatic control system moving parts shall be guaranteed for a period of five years.

3.1 Repair parts shall be available from the manufacturer for ten years.

	<u>Qty</u>	<u>Unit Cost</u>	<u>Total Cost</u>
A-DEC 4631 Duo Delivery System of Approved Equal	3		

SPECIFICATIONS

II. A-DEC PREFERENCE COLLECTION CABINETS for A-DEC 5543.TB.42 Central Console or Approved Equal Qty: 1 A-DEC 5580.69 Treatment Console or Approved Equal Qty: 2 A-DEC 5580.96 Treatment Console or Approved Equal Qty: 1

1.0 CORE MATERIAL

- 1.1 Countertop is 1 ½" thick, 45# industrial grade particleboard.
- 1.2 Cabinet shell and related component parts are 5/8" thick, 45# industrial grade particleboard.
- 1.3 End caps are 3/4" thick, 45# industrial grade particleboard.
- 1.4 Upper module doors are 5/8" thick, 45# industrial grade particleboard. Door windows, consisting of 3/8" thick glass (for x-ray containment) and a special bezel, are optional.

2.0 SURFACE AND EDGE TREATMENT

- 2.1 All heavy-wear parts, such as the countertop/work surface and writing surfaces are covered with SSV™ (solid surface veneer), high-pressure V32 plastic laminate and Chemsurf™ are *optional* for the countertop/work surface only.
- 2.2 All door and drawer fronts are covered with high-pressure V32 plastic laminate.
- 2.3 The bottom side of countertops is finished with a phenolic to create a sealed countertop that is resistant to environmental effects of high humidity and moisture.
- 2.4 All cabinet shell component parts are covered with heavy-duty polyester or melamine film laminate (color: surf).
- 2.5 All particleboard edges are finished with rigid PVC (polyvinyl chloride) edge banding: 1mm banding on cabinet component parts, and 3mm thick banding on all door and drawer edges.
- 2.6 End caps have radius edges and are finished with a high-pressure V32 plastic laminate.

3.0 DRAWER AND DOOR CONSTRUCTION

- 3.1 Drawers are constructed using the Blum Metabox™ drawer system: the slide mechanism is integrated into the metal drawer side. The slides are tested to a 75 lb. dynamic load. The front and back panels, as well as the bottom panel of interior drawers are particleboard with white polyester or melamine laminated finish on both sides.
- 3.3 Most drawer and door closure is push latch type with entirely smooth front surface. Sink doors and *optional* equipment drawers will have a finished knob.
- 3.4 Door hinges are Blum Inserta hinges. Constructed of nickel-plated steel, they are concealed, clip-on, and three-way adjustable.

3.4.1 All front opening single and double door storage modules will have a 170°, free-swing, overlay hinge on the front (décor) side. The exceptions are the doors on sink modules, side-opening modules, front-opening bi-fold base modules and the left-/right- surface module for the 5580, which will have a 125° clip-on, free-swing or self-closing, overlay or twin hinge based on the application.

3.5 Door and drawer have 3mm (1/8") thick edge banding with 3mm (1/8") radius on all edges.

4.0 SUBBASE CONSTRUCTION

4.1 Subbase is made from 14 and 16-gauge cold rolled steel and painted surf 6 colors on all sides with polyester powder coat.

4.2 Leveling feet are built into subbase structure for leveling cabinet prior to fastening to floor.

4.3 Subbase cutout options allow for an optional delivery system to be mounted and plumbed to the console plumbing.

4.3 For the 5543 only, an *optional* flush-mount foot-operated faucet control can be built into the subbase to provide a tempered water function.

5.0 AGENCY LISTINGS

5.1 Standard catalog cabinets are UL listed. Any special requirements, which make the unit non-UL listed, shall be manufactured to UL standards.

6.0 OTHER SPECIFICATIONS

6.1 Module connectors are barrel nut and screw type, nickel-plated steel.

6.2 Duplex hospital grade electrical outlet(s) is provided on 5580, 5562 and 5543 units that include uppers or mid-sections.

6.3 All cabinets are finished on the back. Length tolerance is +/-1/4".

6.4 A stack switch consisting of three rocker switches for switching a task light and specified electrical outlets is included on all 12 O'clock treatment consoles that have a midsection.

6.4.1 *Optional* countertop (task) lighting is available in all cabinets with upper modules.

6.4.2 Factory installed task lighting uses a T8, 4100°K color temperature lamp, with a Color Rendering Index (CRI) of 75. It is UL listed and CSA certified. A prismatic acrylic lens diffuses light and reduces risk on accidental breakage.

6.5 Base modules shall include a cutout to allow for the routing of wires and cables internal to the consoles. *Optional* wire and management cable kits shall be available.

6.6 *Optional* glass shelves are available for the upper storage at the 12 O'clock position. Glass shelves are 3/16" tempered glass with a pencil-ground edge finish on all four sides.

- 6.7 *Optional* adjustable wood shelves are available for all storage and dispensing modules with the exception of the upper storage module at the 12 O'clock position. Wood shelves are 3/4" thick and are edge banded on the front edge with 1mm thick edge banding.
- 6.8 *Optional* sink fixtures, which include a sink and basket strainer, faucet, soap dispenser and waste bezel receptacle, are available in stainless steel or porcelain. Solid surface sinks are also available with the optional solid surface countertop only. Sink faucets are manufactured by Delta; the sinks and waste bezel fixtures are proprietary. No tailpiece or p-trays are provided for the sink.
- 6.9 *Optional* knee-activation is available in the door of sink modules for the faucet.
- 6.10 For the 5543 only, an *optional* flush-mount foot-operated faucet control can be built into the subbase to provide a tempered water function.
- 6.11 All product packaging has been tested to exceed that requirement for Domestic Certification under the International Safe Transit Association. Products will bear the "Transit Tested" seal.
- 7.0 ASEPSIS
- 7.1 Cabinet construction must demonstrate by selection and use of materials, attention to improved asepsis within the dental operator. For example: clean lines, smooth shapes, cleanable surfaces, minimized joints and seams.

	<u>Qty</u>	<u>Unit Cost</u>	<u>Total Cost</u>
A-DEC 5543.TB.42 Central Console or Approved Equal	1		
A-DEC 5580.69 Treatment Console or Approved Equal	2		
A-DEC 5580.96 Treatment Console or Approved Equal	1		

SPECIFICATIONS

III. A-DEC 1601 OPERATOR'S STOOL or APPROVED EQUAL Quantity: 3

1.0 GENERAL DESCRIPTION

The Operator's Stool shall provide orthopedically correct support and comfort for the operator. The back shall provide a horizontal adjustment with 26° of arc. A pneumatic cylinder shall provide vertical adjustment of approximately 6 1/2". If activated while the operator is seated, the seat shall gently lower. If activated when weight is removed, the seat shall rise. Stool shall be adjustable in height from approximately 18.8" to 25". Two fingertip lever control paddles shall provide adjustment for both seat height and back position. Both levers are located side by side on the underneath side of the seat.

2.0 EQUIPMENT

- A. The base shall consist of a one-piece aluminum die casting with five legs. The hub shall have a socket to securely mount the lift mechanism. The base shall be 22" in diameter for smooth, stable mobility, and be fitted with five tandem urethane tread non-marking casters. Casters shall have molded in place metal axle. Load rating for each caster shall be 110 lbs. Optional carpet casters shall be available.
- B. The lifting mechanism shall consist of a sealed self-contained pneumatic cylinder mounted in a bushing and chrome plated steel tube. Rotation shall be accomplished by allowing the pneumatic cylinder to rotate in the bushing with a ball type thrust bearing supporting the weight of seat, body support, and operator. The seat mounting weldment and release mechanism shall be clamped directly to the pneumatic cylinder.
- C. The posture control mechanism shall provide adjustments and mounting points for both seat and back assembly. The seat adjustment can be made by lifting the front lever control paddle which activates the pneumatic cylinder. The back adjustment lever is attached to a clutch plate mechanism. By lifting up on the lever and leaning forward or backward the horizontal adjustment of the back can be made. A tubular back upright shall slide into a guide block with a locking knob and allows a 3 1/2" vertical height adjustment of the back. A stop button at the bottom of the upright prohibits its removal.
- D. The contoured seat assembly shall consist of a roto-molded armature base providing the foundation upon which a 1 1/2" thick fire retardant polyurethane foam pad is glued. A 1/2" thick foam shall cover this assembly and create a smooth contoured surface for attaching the vacuum formed seamless vinyl fabric.
- E. A secretarial back measuring 12" x 15" shall have a 1/4" vacuum formed ABS plastic form upon which a 1/2" thick fire retardant polyurethane foam pad is glued. It is then covered with a vacuum-formed seamless vinyl fabric. The backside shall be enclosed with a 1/8" thick ABS plastic cover. The back shall have a spring-loaded pivotal lumbar adjustment.

F. The Operator's Stool upholstery shall have the following characteristics:

1. Vinyl is 62.5 ounce/.067 gauge superior grade. It may be cleaned with mild soap and water.
2. Vinyl shall meet flammability specifications for:

California Flammability Regulation 117-75 Section E
Federal Spec. CCCA680A
City of New York (Bulletin #44)

G. Load carrying capacity of the stool shall have the following characteristics:

The stool in its highest position shall be capable of withstanding and maintaining a load of 300 pounds applied at the center of the seat without resulting in collapse or slow settlement of the stool or damage to the stool that would be harmful to the user.

H. Stability verification:

With the stool casters and upright placed in the least favorable position and the seat at its highest and swiveled in its least favorable position relative to the casters, the stool shall support a vertical force of 180 pounds at a position 2 1/2" in from the least favorable edge of the seat.

	<u>Qty.</u>	<u>Unit Cost</u>	<u>Total Cost</u>
A-DEC 1601 OPERATOR'S STOOL or APPROVED EQUAL	3		

SPECIFICATIONS

IV. A-DEC ASSISTANT'S STOOL MODEL 1622 WITH ADJUSTABLE TORSO SUPPORT or APPROVED EQUAL Quantity: 3

1.0 GENERAL DESCRIPTION

The Assistant's Stool shall provide orthopedically correct support and comfort for the assistant. A lever-activated pneumatic cylinder shall provide vertical adjustment of approximately 6 1/2 inches. If activated while the assistant is seated, the seat shall gently lower. If activated when weight is removed, the seat shall rise. Stool shall be provided with a footrest platform that is adjustable in height. The torso band can be specified for right or left hand support. The stool shall be adjustable in height from approximately 22.5" to 29".

2.0 EQUIPMENT

- A. The base shall consist of a one piece aluminum die casting with five legs. The hub shall have a socket to securely mount the lift mechanism. The base shall be 22 inches in diameter for smooth stable mobility, and be fitted with five tandem urethane tread non-marking casters. Casters shall have molded-in-place metal axle. Load rating for each caster shall be 110 lbs. Optional carpet casters shall be available.
- B. The lifting mechanism shall consist of a sealed self-contained pneumatic cylinder mounted in a Delrin® bushing and chrome plated steel tube. Rotation shall be accomplished by allowing the pneumatic cylinder to rotate in the Delrin® bushing with a ball type thrust bearing supporting the weight of seat, body support, and operator. The seat mounting weldment and release mechanism shall be clamped directly to the pneumatic cylinder. Release lever is captured between two die cast mounting blocks eliminating possibility of lever becoming dislocated from lift mechanism.
- C. The seat mounting weldment shall consist of an 8 7/8 inch x 6 inch x 1/4 inch steel plate with the necessary brackets for attaching the pneumatic cylinder and securing the torso support.
- D. The seat shall consist of roto-molded armature base providing the foundation upon which a 1-1/2" inch thick fire retardant polyurethane foam pad is mounted. A 1/2" thick foam shall cover this assembly and create a smooth contoured surface for attaching the vacuum formed seamless vinyl fabric, which shall be secured to the base with staples. The seat shall be 18" inches in diameter. Stool shall contain an additional ball bearing swivel to rotate the torso support around the assistant without seat cushion movement. Ball bearing race diameter shall be 5 inches with double ball bearing construction.
- E. The torso support bracket shall be a steel structure designed to provide body support and vertical adjustability. The torso support shall consist of a 2 inch thick laminated particle board core with a 1 inch thick fire retardant polyurethane foam pad and a covering of vacuum formed seamless vinyl fabric. Provisions for horizontal adjustment shall be provided in the bracket assembly. Vertical adjustment of 3 3/4 inches shall be provided by torso support mechanism. The torso band can be specified for right or left hand support. Torso support shall be capable of adjustable lateral positioning by lifting

slightly on the torso band and repositioning it within an internal spline, and shall pivot on a 360 degree arc around the axis.

F. The Assistant's Stool upholstery shall have the following characteristics:

1. Vinyl is 62.5 ounce/.067 gauge superior grade vinyl. It may be cleaned with mild soap and ordinary water.
2. Polyurethane foam seat cushion shall be 3 inches thick with 2.8 pounds per cubic foot density and indentation load deflection of 60 pounds at 25 percent compression.
3. Vinyl shall meet flammability specifications for:

California Flammability Regulation 117-75 Section E
Federal Spec. CCCA680A
City of New York (Bulletin #44)

G. Load carrying capacity of the stool shall have the following characteristics:

The stool in its highest position shall be capable of withstanding and maintaining a load of 300 pounds applied at the center of the seat without resulting in collapse or slow settlement of the stool or damage to the stool that would be harmful to the user.

H. Stability verification:

With the stool casters and upright placed in the least favorable position and the seat at its highest and swiveled in its least favorable position relative to the casters, the stool shall support a vertical force of 180 pounds at a position 2 1/2 inches in from the least favorable edge of the seat.

	<u>Qty.</u>	<u>Unit Cost</u>	<u>Total Cost</u>
A-Dec Assistant's Stool Model 1622 w/adjustable Torso Support or Approved Equal	3		

**REMARK: PLEASE ADHERE TO THE ABOVE SPECIFICATIONS
AS LISTED IN THIS COMPETITIVE SEALED BID. DEVIATIONS
FROM THESE SPECIFICATIONS WILL NOT BE ACCEPTED.**

Total Cost Page (must be all inclusive)

Itemized cost, delivery, service agreement, training, and warranty must be included in the total cost. Optional extended warranty may be included.

Total Cost: \$ _____
(All inclusive)

All Bidders:

Please include **2 Originals** and **4 Copies** of each of your bids. This should include any pamphlets, or additional materials you want to be taken into consideration.

VENDOR CERTIFICATION SHEET

As the official representative for the contractor, I certify on behalf of the company that we are and will agree to the following:

- A. We are an approved vendor in the service(s) and/or product(s) being procured.
- B. We agree to fulfill all specified requirements that are awarded to us at the prices we bid on for the duration of the bid. We will be responsible for reviewing our bid prices very carefully to make sure we are in compliance of same.
- C. We agree that we are accurately representing the type of business and affiliations as specified in the bid.
- D. We agree to fulfill all contracted items as specified in our bid and agree not to substitute an item(s) without the permission of Delaware Health and Social Services.
- E. We agree to secure a Delaware business license.

Date

Signature of Bidder (Representative)

Name of Company