

Brand Name or Equal Worksheet ("Salient Characteristics")

01/26/2015

Brand Name Item: ICU Boom System

1) Essential/significant physical, functional, or performance characteristics.

Salient characteristics are those characteristics that make an item equal to the brand name item we specify. Specifically, salient characteristics are those characteristic of the brand name item that the VA needs.

Essential compliance requirements

- The system must be FDA approved for its intended use.
- Electrical and medical gas utilities must be in compliance with NFPA 99 for ICU settings.
- Medical gas connectors must be DISS and meet Compressed Gas Association standards.

Boom design features

- a. Central tandem mount design with dual arm sets.
- b. Arm sets are heavy duty (HD) and capable of crossing over each other without interference.
- c. The degree of boom arm rotation must allow for boom arms to cover the full perimeter of the patient care area.
- d. The booms will have adjustable mechanical stops that will limit arm rotation for safety purposes or as determined by customer needs.
- e. Boom arms will cross over without interfering with each other to allow maximum flexibility in positioning medical equipment for patient care.
- f. Boom must be designed with a braking system to prevent drifting. Friction brake preferred.
- g. Boom must be designed to operate in sync with a ceiling mounted patient lift system. ARJO is the manufacturer of patient lifts currently in use. If the boom is not compatible with ARJO technology the vendor must specify what lift system works best with their boom.
- h. The boom must operate in a room with the ceiling height of 10'.

Electrical Utility Requirements (location of utilities to be determined by customer after product selection)

- a. Six (6) emergency power (red) duplex electrical outlets on each arm
- b. Two (2) normal power (white) duplex electrical outlets on each arm
- c. A separate dedicated 20 Amp electrical circuit, red duplex, required for the patient monitor.
- d. All electrical receptacles will be of the voltage and amperage specified in NFPA 99 for ICU settings
- e. All electrical receptacles will be hospital grade with the blade orientation in compliance with NFPA-99
- f. Boom to be designed with two blanked electrical outlet spaces on each arm set for expansion.

Medical Gas Utility Requirements

- a. Two (2) medical oxygen outlets to be provided on each arm. The outlets will be of DISS design.
- b. Two (2) medical vacuum outlets to be provided on each arm. The outlets will be of DISS design.
- c. One (1) medical air outlet to be provided on each arm. The outlets will be of DISS design.
- d. All medical gas piping to be pre-piped to the manifold.
- e. Room for expansion

Communication/video utilities

- a. One (1) four-plex data per arm set to provide for a total of (8) data drops for both arms. (CAT 6)
- b. Two separate data drops are required on the arm that will house the patient monitoring system
- c. The arm that will house the patient monitoring system will also be prepped for installation of Rauland Responder 5 nurse call and code blue stations.
- d. Boom to be prepped for connecting 37-pin communication cable for interfacing Hill-Rom bed models P1900 and P1840 to the Rauland nurse call system.

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ICU Boom attachments/accessories

- a. The boom must provide space(s) to attach and use patient monitors. The space must be capable of supporting monitor models IntelliVue MX and MP manufactured by Philips.
- b. Boom design will permit for accessories to be easily installed, relocated and removed by clinical staff.
- c. Boom design to provide option for attaching a patient exam light
- d. Vendor to specify what accessories come standard with purchase of ICU booms.
- e. Boom must have the capability to support approximately 10 infusion pumps. This capability will allow for simultaneous mounting and dis-mounting of all pumps in use to facilitate patient transport.
- f. Boom design to provide for attaching a variety of accessories used in the ICU environment. I.e. baskets, clamp on IV pole, cord wraps, hooks, chart holders, equipment shelves) that are compatible with the boom.

2) Complete generic identification – ICU booms are used in intensive care units (ICUs) instead of headwalls. They are configured to organize utility services and a variety of medical devices and accessories. Booms allow freedom of movement around the patient while reducing clutter by removing potential tripping hazards, such as electrical cables and cords.

3) Applicable model/make/catalog number – Primary system components are:

- a. Model: ERGON II Skyboom
- b. Make: Skytron

4) Manufacturer name – Skytron

Per VAAR 811.104 and 811.105, I certify the following regarding the above information:

- The salient characteristics listed above are essential to the Government’s requirements.
- To my knowledge, the restrictions listed above will not limit the acquisition to an item peculiar to one manufacture.

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