

22 December 2011

Our reference:

Case 200704816

File

Centre of Maritime Health

Service

/mln

According to law regarding gathering propositions on certain public and publicly funded contracts (Tender Law) §§ 15 a – 15 d announce the following:

1. Centre of Maritime Health Service wants propositions on 6 functional simulations dolls.

Requirements specifications:

Airways:

- Programmable airway.(sounds)
- Head tilt / chin lift.
- Guidable airway for minimum a tongue depressor.
- Possibility to apply a neck collar.

Breathing:

- Control rate and depth of respiration and observe chest rise.
- Select independent left and right lung sounds.
- Chest rise and lung sounds are synchronized with selectable breathing patterns.
- Unilateral chest rise to simulate pneumothorax.
- Multiple lung and breath sounds with volume control.
- Ventilation measured and logged.

Circulation:

- Multiple heart rates.
- Chest compressions are measured and logged.
- Blood pressure using manual cuff and stethoscope.
- Radialis pulse operates continuously as a minimum.
- Pulse strength vary with blood pressure.

Other desirable functions:

- Medium skin color
- Male / female genitalia
- Possibility to apply a catheter
- Casualty simulation kit: ex. Fractures and wounds – bleeding/non-bleeding

DANISH MARITIME AUTHORITY

Centre of Maritime Health Service

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MINISTRY OF BUSINESS AND GROWTH

- Possibility of giving injections
- Possibility of inserting intravenous cannula
- Possibility to change pupils manually or on vital monitor.

SIM control:

- Software to manage the simulation dolls
- Programmable scenarios.
- Vital signs monitor for showing simulated *SpO₂, temperature and capillary response*.
- Wireless control of SIM unit (including hardware to transmit data).
- Possibility to operate 3 simulation dolls in the same room simultaneously.
- Streaming audio – bidirectional voice and data communication
- Possibility to make, record and store vocal sounds
- Electrical and soundless compressor integrated in the SIM doll
- Video is integrated on screen along with the SIM unit control panel.

Options:

- Video cam
- Headset
- Laptops

Others:

- Must be usable at 220 Volts
- Education/training of two "super users" in week 8 – 2012, the use of the simulation dolls and in preparation of scenarios.
- The service agreement containing:
 - Functional testing, care and maintenance – 1 time yearly.
 - Replacement of defective parts within 72 hours.
 - Loan of simulation dolls in case of breakdowns.
 - User and technical advice by phone or mail.

2. Contact Michael Lund Nielsen at the following address or e-mail in case of questions:

Centre of Maritime Health Service
 Att.: Michael Lund Nielsen
 Vestervejen 1
 6720 Fanø
 E-mail: mln@dma.dk

3. Deadline for receipt of proposition is: 5th of *January 2012 at 12 o'clock (Danish time)*.
4. Delivery, installation and function test, no later than the 6th of *February 2012*.
5. The proposition must be sent to Anita Brusen at the above mentioned address.
6. The criterion for award this: the cheapest proposition.

The bidder must, when giving its proposition, include a signed sworn statement whether the bidder has unpaid due debt to the public.

Yours sincerely,

Anita Brusen

Head of centre

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