Salient Characteristics

JCAD Simulator

The contractor must provide 4 EA M4A1 JCAD Sims to Building 1092 on RAF Lakenheath with ARGON brand name or equal. The procurement of an M4A1 JCAD-SIM Standard Training Kit (Brand Name: Argon Electronics) or an equivalent system. Any proposed 'or equal' system must meet all salient characteristics outlined above, specifically the requirement to physically and functionally replicate the M4A1 JCAD interface and mock-consumables (sieve packs/confidence checkers) without utilizing hazardous liquid/chemical simulants. Compliance is met with the following characteristics:

M4A1 JCAD-SIM training kit comprising:
Qty 1 M4A1 JCAD-SIM
Qty 1 Simulation confidence checker in storage pot
Qty 1 Battery cassette
Qty 4 AA Alkaline cells
Qty 1 Simulation sampling nozzle in storage pot
Qty 1 Simulation storage sieve pack
Qty 1 Simulation sieve pack type A
Qty 1 Simulation sieve pack type B (in simulated foil pack with cleaning cloth)
Qty 1 Instructor remote simulation decontamination controller
Qty 1 After Action Review reporting fob
Qty 2 G / TIC series long range simulation vapour source
Qty 2 H / TIC series long range simulation vapour source
Qty 2 Alkaline D cells
Qty 1 Small high reading G Point Contamination Source
Qty 1 Small high reading H Point Contamination Source
Qty 1 Large high reading H Point Contamination Source
Qty 1 Large high reading G Point Contamination Source
Qty 1 User manual (English)
Qty 1 System storage / carry case."

The SIM equipment must be easily identifiable from the real-world equipment.

The product needs to be able to detect and simulate a wide array of agents. Nerve, Blood, Blister and TICs.

The SIM would need a remote to be used by instructors to better enable realistic training.

It needs to be able to identify the effect of adverse weather conditions such as temperature and wind direction.