Air Force Operational Commercial Solutions Opening

FA4484-20-S-C002

Amendment A00001

Questions & Answers

13 February 2020

Q: Do you know if it's possible to re-submit declined CSO applications after reviewing debrief feedback? If so, are there any rules/constraints?

A: You're welcome to re-submit your previously declined CSO proposals as you wish.

Q: What capability gaps led to this solution request as an alternative to acquisition of COTS transportable storage/pumping systems?

A: Capability for a high mobility, rapid on/off-load fuel system able to deploy to any

airfield in the PACAF AOR.

- Able to on/off-load system with minimal Materials Handling Equipment (MHE) (use aircraft winch, or vehicle to tow off)
- Able to be setup ready to receive/dispense fuel within 30 minutes of offload of aircraft
- Reduced overall cargo footprint (Size, weight)

Q: Are there any particular characteristics of available equipment (i.e. cost, packaging, leave-in-place capability, manpower required to deploy, etc.) that are highest priority for improvement?

A: -Reduced Manpower required to deploy

-Small 4-6 man team

- Ability to on/off-load with minimal equipment

- Compatible and able to use Commercial Wheel sets/ Mobilizers, HEMTT A4

vehicle/trailer, 463L pallet systems.

-Reduced transportation footprint

- Ability to transport equipment(pump, hoses, spares kit) as

- One package with a 20 or 40 ft Sea-Land container footprint.

-Self Containment/Hardened unit

- Final unit should have secondary liner built in, as well as insulation to protect

bladder from outside elements (heat &cold), damage (metal wall punctures that can puncture bladder)

-Cost- Overall goal is to keep cost low, by using commercially available products with minimum modifications.

- Current estimate for 20’ Container, lining, insulation, sloped floor, bladder with grounding ribbon—$47,000-$50,000

- Current Initial estimate for 20’ Container with Fuel Pump/Filter Separator and parts kit—$87,500-$90,000

- These estimates do not include shipping

Q: Are there any defined requirements such as minimum levels of performance for a pumping system or storage volumes?

A: -Container

- Inlet - 4”in threaded inlet
- Outlet - 2 x 4”in threaded
- Able to be connected to USAF, Army, Navy fuels service equipment and Aircraft (Fighter/Helo)
- Minimum 7000 US Gal capacity for 20 Ft Container
- Standard 20’ or 40’ foot Sea-Land/ISO container profile/dimensions/appearance

-Fuel Pump/Filter Separator

- 200 GPM
- Operated on JP8/Diesel
- Variable PSI
- Lightweight (wheeled/2-4 man carry)

Q: What is the deliverable or scope for this CSO? Is PACAF targeting an initial design proposal, delivered prototype, or a production item?

A: Commercially available items.

Q: Is the lighting for the cockpit?; Is the lighting for the cabin?; Does the lighting need to be night vision compatible?

A: The lighting is for the cabin/cargo compartment. The lighting is consists of 8 white incandescent bulbs and typically only about half of the bulbs are working. Ideally we would like to have white lights for daytime operations and red lights for night.