

Section C - Descriptions and Specifications

STATEMENT OF WORK

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**DESIGN OPERATION AND MAINTENANCE PROCEDURES FOR
MOBILE KITCHEN TRAILER'S (MKT) TILT SKILLET**

October 2009

1. SCOPE AND OBJECTIVES

The work described herein shall be performed under a to-be-determined Delivery Order number on Aberdeen Test Center Contract W91CRB-06-D-0054 with Global Defense Engineering.

The scope is for the contractor to design all of the operation and operator maintenance procedures required to safely integrate and utilize a test-prototype tilt-skillet on the Mobile Kitchen Trailer (MKT) during Government developmental and operational testing. The validated procedures shall then be incorporated into a Draft Equipment Publication (DEP), which shall facilitate soldiers and testers using the skillet on an MKT without outside technical support. Skillet support hardware shall be furnished to support the testing. The DEP shall incorporate MKT pack out revisions as needed.

2. BACKGROUND

The MKT is a previously fielded mobile kitchen with its own published Technical Manual, TM 10-7360-206-13; Operator's, Unit, and Direct Support Maintenance Manual-Kitchen, Field, Trailer. The tilt skillet prototype was developed under a previous contract effort as a potential replacement for the MKT's standard griddle. The skillet prototype from the previous effort will be the subject of the design and validation of operation and maintenance procedures for the tilt skillet. The skillet is a key component of the MKT RESET Kit being prototyped for the MKT. The Government will integrate the skillet with the rest of the kit aboard an MKT and subject the kit to developmental and operational tests. Since soldiers and testers will be operating and maintaining the skillet without contract or technical support, validated procedures need to be developed and documented for their use during testing. Integration of the MKT RESET Kit on the MKT is expected to result in MKT pack out changes, which the DEP needs to consider. The required MKT pack out changes will not be fully known until completion of weight distribution testing at Aberdeen Test Center (ATC), MD. Weight distribution testing is expected to be conducted by early January 2010. The Government will then furnish a description of the test pack out, which the contractor shall utilize to develop the DEP for MKT pack out. The DEP will supplement TM 10-7360-206-13 during the Government's operational test.

3. REQUIREMENTS

3.1 Operation and operator-level maintenance procedures. The contractor shall design and develop all the procedures required for tilt-skillet operation and operator-level maintenance of the tilt skillet. The contractor shall also identify all safety hazards associated with operation and maintenance. The procedures shall target an audience that consists of Army cooks (MOS 92G). Tasks for which procedures shall be developed include, but are not limited to, set-up both on board and off-board the MKT; water boiling operation; griddle operation; serving line operation; pack-out; cleaning; grease collection; Preventative Maintenance and Checks and Services (PMCS); draining; and tilting. Safety hazards to be considered shall include, but are not limited to, moving parts; hot surfaces; hot gases; and carbon monoxide.

3.2 Draft Equipment Publication (DEP). The contractor shall produce a DEP for the tilt skillet, the skillet support hardware, and the revised pack out of the MKT. The revised pack-out of the MKT shall be based upon the test pack out used during the Government's weight distribution testing. The DEP is not required to meet all the format requirements of applicable military specifications and standards for technical manuals, but the technical content shall be adequate for soldier use during the testing period. The format and content shall also be sufficient to allow the DEP to be useful at a later date for creating a formal change package for TM 10-7360-206-13. The DEP shall document all of the safety hazard warnings and procedures and shall be written for a target audience of MOS 92G. The DEP shall include labeled photographs to supplement the written procedures. Any clothing that is shown in the photographs shall be, or closely resemble, the standard battle dress uniform. The contractor shall conduct a validation of all procedures prior to making the initial submittal of the DEP. The Government reserves the right to observe the validation. The second submittal of the DEP shall consider Government comments from the initial DEP review.

3.3 Skillet support hardware. The skillet support hardware shall consist of any expected necessary spare parts that may be needed to replace failed or lost parts. In addition, a battery-operated digital temperature indicator with sensor shall be furnished for the skillet's griddle surface. The temperature indicator and sensor shall be securable to the skillet. The indicator and sensor shall be protected from heat and moisture. The support hardware shall also include skillet pan adapters to be used for 1/3 food container inserts during serving operations.

3.4 Location of work. If the test schedule allows, the Government will ship all required hardware, including a fully packed MKT with MKT RESET Kit, upon completion of Government developmental testing at Letterkenny Army Depot (LEAD) and ATC. This will allow the contractor to conduct all of its efforts at its own facility. However, it is likely the test schedule will result in the need for the contractor to conduct at least some of its effort at either ATC or LEAD where the hardware will be located initially. The contractor shall conduct its design and DEP efforts at these Government facilities as necessary to assure the DEP is completed in time for the operational test.

3.5 Kick-off conference. Immediately after award, the contractor shall attend a task Kickoff Meeting with Natick either via telecom or at the contractor's facility during which the requirements and schedule shall be summarized and discussed.

4. SCHEDULE

4.1 Initial submittal of validated DEP. The contractor shall submit the initial, validated DEP within thirty (30) calendar days of the contractor's receipt of test pack out information from the Government.

4.2 Second Submittal of DEP. The contractor shall furnish the second submittal of the DEP within fifteen (15) calendar days of its receipt of Government comments on the initial DEP.

4.3 Skillet support hardware. The contractor shall deliver the skillet support hardware no later than the initial DEP submittal.

5. REQUIRED MEETINGS

5.1 Kick-off meeting: Location: Contractor's facility or via telecom

5.2 Validation of DEP: Location: Contractor's facility or ATC/LEAD

6. REQUIRED DELIVERABLES

- Initial submittal of validated DEP (Electronic, MS Word Format)
- Second Submittal of DEP (Electronic, MS Word Format)
- All photographs (Electronic, JPG files)
- Skillet support hardware

7. POINTS OF CONTACT:

Army contracting officer's technical representative (COTR) at U.S. Army Soldier Systems Center, Natick, MA: