				1. CONTRACT ID CODE		Idd Stevens	
AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT							
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIV	E DATE		QUISITION/PURCHASE REQ. NO.	5. 1	PROJECT NO. (If applicable)	
0019	06/23/2	2010	REQ-4400-10-0040				
S. ISSUED BY	CODE FMPS		7. ADMINISTERED BY (If other than Item 6) CODE FMPS			DE FMPS	
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NAME AND ADDRESS OF CONTRACTOR	(No., street, county, State an	nd ZIP Code)	(x) ⁹	A. AMENDMENT OF SOLICITATION NO			
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			1	0B. DATED (SEE ITEM 13)		·····	
CODE	FACILITY CO	DE		09/26/2006			
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THE UNIVERSITY OF ALABAMA

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TEM NO.	SUPPLIES/SERVICES	QUANTITY		UNIT PRICE	AMOUNT
(A)	(B)	(C)	(D)	(E)	(F)
	Add Item 0009 as follows:				
009	Task Order 0009 - to be accomplished in three parts as indicated on the attached statement of work.	1	EA	43,753.00	43,753.0
		1			

A. Background

The purpose of this document is to add Task Order 0009 to the existing contract between the U.S. Consumer Product Safety Commission (CPSC) and the University of Alabama (CPSC-S-06-0079). This task order is divided into three parts. The first part is to direct the Contractor to provide support to CPSC staff when prototype generator, PT1, undergoes emission testing at an independent emissions test lab. The second part is to direct the Contractor to conduct engine modifications to PT1 after conducting the wear analysis on the unit (a task previously established from the Contractor's project plan). The engine modification to PT1 will consist of replacing the IMEC-168 ECU with the MT05 ECU and all the associated sensors and components which are unique to each system. The third part is to reassemble the baseline and PT2 gensets to working condition after conducting the wear analyses (a task previously established from the Contractor's project plan) on both units.

B. Statement of Work

- 1. As stated above, Task Order 0009 is divided into three parts. Under the first part, the Contractor shall provide support to CPSC staff when PT1 undergoes emission testing at an independent emissions test lab. Support during the independent lab emission testing may require that the contractor be on-site at the emission lab for as much as 2 weeks. The contract for the emissions test lab has not yet been awarded, so the location is not yet known; however, the effort will consist of personnel travel and shipping the genset and required test equipment to the independent test lab.
- 2. The second part of this Task Order is to direct the Contractor to modify the PT1 engine after documenting the wear analysis findings in the contract final report. Following the wear analysis of PT1, the Contractor will reassemble it, replacing the IMEC-168 ECU with the MT05 ECU and all the associated sensors and components which are unique to the MT05 system. This second part is to be accomplished after PT1 has been returned to the Contractor at the conclusion of the independent lab emission testing.
 - 2.1. After completion of the retrofitting, the Contractor shall verify that PT1 operates at the nominal 14.6 air-fuel ratio (AFR) value by measuring and recording the AFR at each of the loads on the generator that reasonably reflects 100% sustainable generator load, 75% engine load, 50% engine load, 25% engine load, 10% engine load, and idle. Time permitting, the Contractor may be requested to perform and provide documentation for a genset 6 mode emission test.
 - 2.2. Upon verification that PT1 performs satisfactorily, the contractor shall ship PT1 to CPSC.

3. The third part is to conduct wear analyses on the baseline and PT2 gensets, document the findings in the contract final report, and then reassemble both units to working condition and ship both units to CPSC.

3.1 After completion of the wear analysis on both the PT2 and baseline gensets, the Contractor shall verify that the units operate by recording the AFR values with loads on the generator that reasonably reflects 100% sustainable generator load, 75% engine load, 50% engine load, 25% engine load, 10% engine load, and idle.

C. Period of Performance

Performance of work shall begin on the effective date of this contract and shall be completed by September 30, 2010.

All other terms and conditions of the existing contract remain unchanged.

D. Deliverable Documents

For the operational AFR checks conducted on PT1, PT2, and the baseline gensets, the Contractor will provide:

- 1. Electronic files of the engine performance data that include the recorded AFR values at the exhaust manifold boss and engine health thermocouple values, including cylinder head and exhaust temperature.
- 2. If an emission test is performed on PT1, electronic files shall be provided that include the engine and fuel data, exhaust constituent concentration (ppm) data, and the associated results through the excel six mode genset template that provides averaged modal and combined emission results.

D. Period of Performance

Based on the new work for Task Order 0009, the Delivery section described in this modification is hereby changed to the following items which must be performed or delivered in accordance with the following schedule:

ITEM	QUANTITY	DELIVERY & PERFORMANCE
1. Deliver PT1 to CPSC	1	No later than 30 days after it has been returned to the Contractor following the independent lab emission testing
2. Deliver the baseline and PT2 gensets	1	Gensets will be shipped to CPSC by September 30, 2010