# Solicitation/Contract/Order for Commercial Items

**Officer to Complete Blocks 12, 17, 23, 24, 25 and 26**

**Contract No.** CPSC-D-11-0003  
**Award Effective Date**  
**Order Number** 0004  
**Telephone Number** (301) 504-7884  
**Offer Due Date/Time**

## 9. Issued By

CONSUMER PRODUCT SAFETY COMMISSION  
DIV OF PROCUREMENT SERVICES  
4330 EAST WEST HWY  
ROOM 517  
BETHESDA MD 20814

## 11. Delivery for FOB Destination

CONSUMER PRODUCT SAFETY COMMISSION  
ROCKVILLE CAMPUS  
5 RESEARCH PLACE  
ROCKVILLE MD 20850

## 19. Contractor/Officer

SEA LTD  
7349 WORTHINGTON-GALENA RD  
COLUMBUS OH 43085-1519  
CPSC Accounts Payable Branch  
AMZ 160  
P. O. Box 25710  
Oklahoma City OK 73125

## 19a. Payment Will Be Made By

CPSC Accounts Payable Branch  
AMZ 160  
P. O. Box 25710  
Oklahoma City OK 73125

### Item No. 19 Schedule of Supplies/Services

**DUNS Number:**  123456789  
**COR:** Caroleene Paul  
cpaule@cpsc.gov  
301-987-2225

Tank order 0004 to contract CPSC-D-11-0003 is hereby issued to fund the BGV testing services noted in the attached statement of work and contractor quote dated April 3, 2013.

Continued...

(Don't use reverse and/or attach additional sheets as necessary)

### 25. Accounting and Appropriation Data

**010GA130SE-2013-2263800000-EXHR0004200-2524H0**  
**$73,973.66**

### 29. Award of Contract

**Offer Dated**  
**Including Any Additions or Changes Which Are Set Forth Herein, Accept as to Items**

**Signature of Officer/Contractor**

**Authorized for Local Reproduction**

**Previous Edition Is Not Usable**

**Date Signed** 4/4/13

**Name of Contracting Officer** Kim Miles

**Standard Form 1449 (Rev. 2/01/12)**

**Prescribed by GSA - FAR (48 CFR) 9.212**
<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>SCHEDULE OF SUPPLIES/SERVICES</th>
<th>QUANTITY</th>
<th>UNIT</th>
<th>UNIT PRICE</th>
<th>AMOUNT</th>
</tr>
</thead>
<tbody>
<tr>
<td>0009</td>
<td>0009 - Dynamic Tests - One Loading Condition</td>
<td>1</td>
<td>EA</td>
<td>15,116.40</td>
<td>15,116.40</td>
</tr>
<tr>
<td>0009 A</td>
<td>Dynamic Tests - Two Loading Conditions</td>
<td>1</td>
<td>EA</td>
<td>18,910.80</td>
<td>18,910.80</td>
</tr>
<tr>
<td>0009 B</td>
<td>Preparation for testing, purchase new tires</td>
<td>5</td>
<td>EA</td>
<td>1,020.00</td>
<td>5,100.00</td>
</tr>
<tr>
<td>0012</td>
<td>Transportation of vehicles</td>
<td>2</td>
<td>EA</td>
<td>1,375.73</td>
<td>2,751.46</td>
</tr>
<tr>
<td>0012 A</td>
<td>Support services</td>
<td>76</td>
<td>EA</td>
<td>395.00</td>
<td>30,020.00</td>
</tr>
<tr>
<td>0012 B</td>
<td>Travel</td>
<td>1</td>
<td>EA</td>
<td>1,975.00</td>
<td>1,975.00</td>
</tr>
</tbody>
</table>

The total amount of award: $73,873.66. The obligation for this award is shown in box 26.
Statement of Work
Task Order 0004 - for J-Turn Repeatability Testing of
Recreational Off-Highway Vehicles (ROVs)
Contract CPSC-D-11-0003

A. Background
The Recreational Off-Highway Vehicle Association (ROHVA) questioned the repeatability of
J-Turn tests used to measure the lateral acceleration threshold of ROVs. At a public
meeting with CPSC staff on July 19, 2012, ROHVA’s contractors presented test data on J-
Turn tests that showed their inability to measure repeatable values. They also questioned
how many test runs SEA performed during J-Turn testing to prove repeatable results.

CPSC staff will require expert review to analyze ROHVA’s test methods and test results that
explain their position that contradicts CPSC staff’s own findings. In addition, CPSC staff will
require expert review of staff’s technical analysis and development of performance
requirements to address staff’s concerns with the lateral stability and vehicle handling of
ROVs.

B. Objective
The objective of this task order is to conduct additional repeatability testing on two ROVs,
to review and analyze ROHVA’s test methodologies and results, and to analyze and compare
SEA and ROHVA’s test results. In addition, this task order will provide expert review of CPSC
technical analysis, ROHVA’s analysis, and contractor attendance and review of repeatability
testing by ROHVA at their designated test location.

C. Work
1. Conduct baseline J-Turn tests on test vehicles (Item 0009; Option year 1)
   a. Instrument vehicle as required to record data necessary for plotting the lateral
      acceleration threshold of the vehicle during a J-Turn maneuver in one loading
      condition as specified in D. Loading Conditions.
   b. Conduct J-Turn tests on asphalt surface using drop throttle techniques and initiating
      steering at a set speed of 30 mph. The tests conducted shall be repeats of tests
      conducted previously by SEA and published in report to CPSC dated April 2011. The
      repeatability testing shall include up to 40 tests on each vehicle using a steering
      controller to achieve accurate steer angles and consistent steering rates.
   c. This exploratory set of tests will document the Ay and relative effects of worn tires,
      multiple runs in a row, new tires, etc.
2. Conduct repeatability J-Turn tests on two test vehicles (Item 0009A)
a. Instrument vehicle as required to record data necessary for plotting the lateral acceleration threshold of the vehicle during a J-Turn maneuver in one loading condition as specified in D. Loading Conditions.

b. Conduct J-Turn tests on asphalt surface using drop throttle techniques and initiating steering at a set speed of 30 mph. The tests conducted shall be repeats of tests conducted previously by SEA and published in report to CPSC dated April 2011.

c. Prepare for tests by purchasing new tires, addition of transducers, etc. as required.

3. Support service
   a. Review and analyze CPSC staff technical analysis
   b. Review and analyze ROHVA test methodologies, results, and test reports.
   c. Attend repeatability testing by ROHVA at specified test location.
   d. Ship test vehicles from CPSC Rockville facility to SEA test facility.

4. Prepare test surfaces
   a. Vehicle tires and test surfaces must be similar to original testing done. As such, new tires and wheels, if necessary, shall be purchased and installed on vehicles.

D. Loading Conditions
The loading condition for each vehicle shall consist of the operator, instrumentation, and outrigger configuration that most closely matches the nominal operator and passenger loading condition as conducted previously by SEA and published in report to CPSC dated April 2011.

E. Vehicles
Two vehicles from CPSC’s test facility in Rockville, MD shall be used for testing.

F. Shipping
Two vehicles will be shipped from CPSC’s Rockville facility (5 Research Place, Rockville, MD 20850) to SEA’s test facilities. The vehicles shall be returned after completion of testing.

G. Deliverables
1. The contractor shall reduce the data, plot significant events, analyze the data and prepare a report on the outcomes for both vehicles.
2. The contractor shall provide additional analysis in the report commenting on ROHVA’s data on their own repeatability testing and critique of SEA’s reports to CPSC on vehicle characteristic measurements.
H. Schedule
The contractor shall provide a final report of the test results and analysis within 45 days of completion of the tests.