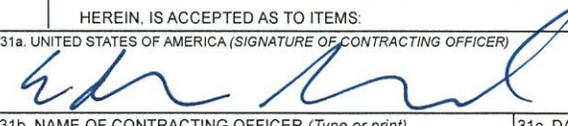


SOLICITATION/CONTRACT/ORDER FOR COMMERCIAL ITEM <i>OFFEROR TO COMPLETE BLOCKS 12, 17, 23, 24, & 30</i>				1. REQUISITION NUMBER REQ-4500-15-0002		PAGE OF 1 8	
2. CONTRACT NO. CPSC-D-12-0001		3. AWARD/ EFFECTIVE DATE 06/12/2015	4. ORDER NUMBER 0014		5. SOLICITATION NUMBER		6. SOLICITATION ISSUE DATE
7. FOR SOLICITATION INFORMATION CALL:		a. NAME Greg Grayson		b. TELEPHONE NUMBER 301-504-7725 <i>(No collect calls)</i>		8. OFFER DUE DATE/LOCAL TIME ET	
9. ISSUED BY CONSUMER PRODUCT SAFETY COMMISSION DIV OF PROCUREMENT SERVICES 4330 EAST WEST HWY ROOM 523 BETHESDA MD 20814			CODE FMPS	10. THIS ACQUISITION IS <input checked="" type="checkbox"/> UNRESTRICTED OR <input type="checkbox"/> SET ASIDE: % FOR: <input type="checkbox"/> SMALL BUSINESS <input type="checkbox"/> EMERGING SMALL BUSINESS <input type="checkbox"/> HUBZONE SMALL BUSINESS <input type="checkbox"/> SOLE SOURCE <input type="checkbox"/> SERVICE-DISABLED VETERAN-OWNED SMALL BUSINESS <input type="checkbox"/> 8(A) NAICS: 541690 SIZE STANDARD: \$6.0			
11. DELIVERY FOR FOB DESTINATION UNLESS BLOCK IS MARKED <input type="checkbox"/> SEE SCHEDULE		12. DISCOUNT TERMS Net 30		13a. THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFR 700) <input type="checkbox"/>		13b. RATING	
15. DELIVER TO CONSUMER PRODUCT SAFETY COMMISSION DIRECTORATE FOR HEALTH SCIENCES 5 Research Place Rockville MD 20850			CODE HS	16. ADMINISTERED BY CONSUMER PRODUCT SAFETY COMMISSION DIV OF PROCUREMENT SERVICES 4330 EAST WEST HWY ROOM 523 BETHESDA MD 20814			
17a. CONTRACTOR/OFFEROR TOXICOLOGY EXCELLENCE FOR RISK ASSESSMENT ATTN JACQUELINE PATTERSON 2300 MONTANA AVE SUITE 409 CINCINNATI OH 45211-3888		CODE	FACILITY CODE	18a. PAYMENT WILL BE MADE BY CPSC Accounts Payable Branch AMZ 160 P. O. Box 25710 Oklahoma City OK 73125			
TELEPHONE NO. (513) 542-7475 EXT29							
<input type="checkbox"/> 17b. CHECK IF REMITTANCE IS DIFFERENT AND PUT SUCH ADDRESS IN OFFER				<input type="checkbox"/> 18b. SUBMIT INVOICES TO ADDRESS SHOWN IN BLOCK 18a UNLESS BLOCK BELOW IS CHECKED <input type="checkbox"/> SEE ADDENDUM			
19. ITEM NO.	20. SCHEDULE OF SUPPLIES/SERVICES			21. QUANTITY	22. UNIT	23. UNIT PRICE	24. AMOUNT
	DUNS Number: [REDACTED] Contracting Officer Representative: Kristina Hatlelid Khatlelid@cpsc.gov 301-987-2558 Task Order 0014 to contract number CPSC-D-12-0001 is hereby issued for risk assessment services. The contractor shall provide all necessary personnel, materials, and services for the performance period of June 15, 2015 through June <i>(Use Reverse and/or Attach Additional Sheets as Necessary)</i>						
25. ACCOUNTING AND APPROPRIATION DATA 0100A15DSE-2015-2572700000-EXHR004500-252H0						26. TOTAL AWARD AMOUNT <i>(For Govt. Use Only)</i> \$162,857.00	
<input type="checkbox"/> 27a. SOLICITATION INCORPORATES BY REFERENCE FAR 52.212-1, 52.212-4, FAR 52.212-3 AND 52.212-5 ARE ATTACHED. ADDENDA				<input type="checkbox"/> ARE <input type="checkbox"/> ARE NOT ATTACHED.			
<input type="checkbox"/> 27b. CONTRACT/PURCHASE ORDER INCORPORATES BY REFERENCE FAR 52.212-4. FAR 52.212-5 IS ATTACHED. ADDENDA				<input type="checkbox"/> ARE <input type="checkbox"/> ARE NOT ATTACHED.			
<input checked="" type="checkbox"/> 28. CONTRACTOR IS REQUIRED TO SIGN THIS DOCUMENT AND RETURN COPIES TO ISSUING OFFICE. CONTRACTOR AGREES TO FURNISH AND DELIVER ALL ITEMS SET FORTH OR OTHERWISE IDENTIFIED ABOVE AND ON ANY ADDITIONAL SHEETS SUBJECT TO THE TERMS AND CONDITIONS SPECIFIED HEREIN.				<input type="checkbox"/> 29. AWARD OF CONTRACT REF. _____ OFFER DATED _____ YOUR OFFER ON SOLICITATION (BLOCK 5), INCLUDING ANY ADDITIONS OR CHANGES WHICH ARE SET FORTH HEREIN, IS ACCEPTED AS TO ITEMS:			
30a. SIGNATURE OF OFFEROR/CONTRACTOR				31a. UNITED STATES OF AMERICA (SIGNATURE OF CONTRACTING OFFICER) 			
30b. NAME AND TITLE OF SIGNER <i>(Type or print)</i>		30c. DATE SIGNED		31b. NAME OF CONTRACTING OFFICER <i>(Type or print)</i> Eddie Ahmad		31c. DATE SIGNED 6/12/15	

19. ITEM NO.	20. SCHEDULE OF SUPPLIES/SERVICES	21. QUANTITY	22. UNIT	23. UNIT PRICE	24. AMOUNT
0001	<p>14, 2016. All work shall be in accordance with the attached statement of work and contractor's quote.</p> <p>Risk Assessment Services</p> <p>The total amount of award: \$162,857.00. The obligation for this award is shown in box 26.</p>	1	LO	162,857.00	162,857.00

32a. QUANTITY IN COLUMN 21 HAS BEEN RECEIVED INSPECTED NOTED: _____ ACCEPTED, AND CONFORMS TO THE CONTRACT, EXCEPT AS

32b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE _____ 32c. DATE _____ 32d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE _____

32e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE _____ 32f. TELEPHONE NUMBER OF AUTHORIZED GOVERNMENT REPRESENTATIVE _____
 32g. E-MAIL OF AUTHORIZED GOVERNMENT REPRESENTATIVE _____

33. SHIP NUMBER _____ 34. VOUCHER NUMBER _____ 35. AMOUNT VERIFIED CORRECT FOR _____ 36. PAYMENT COMPLETE PARTIAL FINAL 37. CHECK NUMBER _____
 PARTIAL FINAL

38. S/R ACCOUNT NUMBER _____ 39. S/R VOUCHER NUMBER _____ 40. PAID BY _____

41a. I CERTIFY THIS ACCOUNT IS CORRECT AND PROPER FOR PAYMENT _____ 42a. RECEIVED BY (*Print*) _____
 41b. SIGNATURE AND TITLE OF CERTIFYING OFFICER _____ 41c. DATE _____ 42b. RECEIVED AT (*Location*) _____
 42c. DATE REC'D (*YY/MM/DD*) _____ 42d. TOTAL CONTAINERS _____

Statement of Work

(Contract# CPSC-D-12-0001 / Task Order 0014)

Exposure Assessment: Potential for the Presence of Lead, Phthalates, and other specified chemicals in Engineered Wood Products

1. Description of Services

The contractor shall furnish all necessary personnel, materials, services, and facilities to perform the work set forth below.

The contractor shall conduct research regarding the production of engineered wood products regarding the possibility of the raw materials or finished product containing:

- lead in concentrations exceeding 100 parts per million (ppm),
- any of the specified phthalates (Table 1) in concentrations greater than 0.1 percent (1000 ppm), and
- any of the specified elements (Table 2) that are included in the safety standard for toys, ASTM F963-11, *Standard Consumer Safety Specification for Toy Safety*,¹ in concentrations exceeding specified limits.

Phthalate	Chemical Abstracts Service (CAS) Number
DEHP: di-(2-ethylhexyl) phthalate	117-81-7
DBP: dibutyl phthalate	84-74-2
BBP: benzyl butyl phthalate	85-68-7
DINP: diisononyl phthalate	28553-12-0, 68515-48-0
DIDP: diisodecyl phthalate	26761-40-0, 68515-49-1
DnOP: di-n-octyl phthalate	117-84-0
DIBP: diisobutyl phthalate	84-69-5
DPENP: di-n-pentyl phthalate	131-18-0
DHEXP di-n-hexyl phthalate	84-75-3
DCHP dicyclohexyl phthalate	84-61-7

¹ ASTM International, <http://www.astm.org/Standards/F963.htm>.

Table 2 Soluble ² Limits, ppm (mg/kg), for Chemical Elements ³ ASTM F963-11, <i>Standard Consumer Safety Specification for Toy Safety</i>						
Antimony	Arsenic	Barium	Cadmium	Chromium	Mercury	Selenium
60	25	1000	75	60	60	500

As provided by the American Home Furnishings Alliance, engineered wood (also called composite wood) is defined as including a range of derivative wood products (particle board, medium density fiberboard, or hardwood plywood) manufactured by bonding primarily cellulosic materials (*i.e.*, wood fibers) with adhesives.

The contractor shall develop information about the materials, *other than natural wood or similar cellulosic materials*, and the processes used in the manufacture of engineered wood consumer products, including adhesives, resins, and binders. The information shall focus on circumstances where the materials could contain the specified substances (lead, specified phthalates, and/or specified elements) at concentrations greater than the specified concentrations for each substance.

The contractor's investigation of the specified chemical substances (lead, phthalates, toy standard elements) shall include the following information:

1. An overview of the materials, *other than natural wood or similar natural cellulosic materials*, for example, adhesives, resins, and binders, and the processes used worldwide to create engineered wood products;
2. Detailed description of the raw materials used worldwide in the production of the materials, other than natural wood or similar natural cellulosic materials, used to make engineered wood products (adhesives, resins, and binders);
3. The proportions or concentrations (or typical ranges) of the wood and non-wood components; for example, the percentage by weight of adhesives and other non-wood materials in each engineered wood product type, for example, particle board, medium density fiberboard, and hardwood plywood;
4. Detailed description of the manufacturing processes used worldwide to produce the materials (adhesives, resins, and binders) and final engineered wood products; and
5. The potential use and description of any recycled materials or other additives in the production of engineered wood that could contain lead, the specified phthalates, or the specified elements.

The research shall detail the material(s) in which one or more of the specified chemical substances are used, which substances are typically used, the reasons for including the substance(s), and typical concentration ranges for the substance(s). The contractor shall include information about the specified substances for the separate raw materials and for

² For the purposes of this work, the toy safety standard solubility limit for each element shall be treated as a concentration limit; *e.g.*, the limit for antimony in an engineered product or material is 60 ppm (mg/kg) based on the total concentration of antimony in the material.

³ Lead is included in the toy safety standard, but is subject to different federal requirements.

finished engineered wood products constructed with the component materials, as appropriate, depending on the available information.

If the specified substances are unlikely to be present in engineered wood materials, the research shall detail the reasons why the substances are not present (*e.g.*, incompatible chemical properties, no identified application for the substance(s) for the material, none of the specified substances are used because of availability and use of alternative chemicals, such as more effective or less expensive substitutes).

The contractor shall prepare a project plan detailing the contractor's planned activities. The contractor shall meet with the U.S. Consumer Product Safety Commission (CPSC or Commission) staff by teleconference to discuss the plan prior to the commencement of the research. Any changes to the task list or project schedule shall be immediately communicated to the CPSC project officer by email, with an updated task list and/or project schedule delivered within seven calendar days.

In addition, the contractor shall conduct a progress report meeting once per month after the task is awarded with the Contracting Officer's Representative (COR) and/or designated staff. The project tasks and schedule will be reviewed. Technical issues, questions and other matters may be discussed.

The contractor shall provide electronic copies of the report and a list of all references examined during the research. Copies of references cited shall be made available to the COR in paper or electronic form at the completion of the task.

All documents delivered shall contain the following information:

1. Date;
2. Contract Number;
3. Contractor name; and
4. Document author.

2. Contract Type

This is a firm fixed price task order with fully loaded hourly rates for the hours indicated in the schedule of services.

3. Background

Lead

Section 101 of the Consumer Product Safety Improvement Act (CPSIA)⁴ restricts the presence of lead in any component part of a children's product (with a few exceptions). A children's product is a consumer product designed or intended primarily for children 12 years of age or younger. Lead is limited in component parts of children's products to concentrations no more than 100 ppm (0.01 percent) by weight.

⁴ <http://www.cpsc.gov/PageFiles/129663/cpsia.pdf>.

Phthalates

Section 108 of the CPSIA restricts the presence of six phthalates in children's toys and child care articles. A children's toy is a consumer product designed or intended by the manufacturer for a child 12 years of age or younger for use by the child when the child plays. A child care article is a consumer product designed or intended by the manufacturer to facilitate sleep or the feeding of children age 3 and younger, or to help such children with sucking or teething. The six prohibited phthalates cannot be present in children's toys or child care articles in concentrations above 0.1 percent. The limit applies to DBP, BBP, and DEHP in all children's toys and child care articles products, and to DnOP, DINP, and DIDP in mouthable toys, as well as child care articles. Additionally, based on recommendations from CPSC's Chronic Hazard Advisory Panel, the Commission recently published a proposed rule that would restrict four additional phthalates (DIBP, DPENP, DHEXP, and DCHP). While the Commission also proposed to remove two phthalates (DnOP, DIDP) from the prohibition for use in children's products, currently, these two substances continue to be prohibited in mouthable toys and child care articles.

Toy Safety Standard

If a children's product is subject to the requirements of ASTM F963-11, *Standard Consumer Safety Specification for Toy Safety*, paints, surface coatings, and accessible substrate materials are subject to solubility limits for eight elements (antimony, arsenic, barium, cadmium, chromium, lead, mercury, and selenium). The maximum soluble migrated element in paints, surface coatings, and substrates (other than modeling clay) are listed above in Table 2 (Table 1 in ASTM F963-11⁵).

Commission Action

Section 14 of the Consumer Product Safety Act (CPSA) requires third party testing of children's products to the applicable children's product safety rules.

The Commission has determined that some materials do not, and will not, contain lead (Pb) in excess of the concentration limit for lead in children's products. These materials are listed in 16 C.F.R. § 1500.91.⁶ Component parts made from these materials are not subject to third party testing for lead for certification purposes.⁷

In a similar manner, it may be possible for the Commission to determine that additional materials do not, and will not, contain lead in excess of 100 ppm, and for the Commission to determine that some materials do not contain any of the specified phthalates at levels that exceed 0.1 percent, and thus do not require third party testing to assure compliance with the respective requirements. Further, it may be possible for the Commission to determine that some materials do not contain any of the elements specified in ASTM F963-11 in concentrations that exceed the respective solubility limits, and thus do not require third party testing to assure compliance with

⁵ Section 4.3.5.2 of ASTM F963-11.

⁶ The rule is available at: <http://www.ecfr.gov>. Browse Title 16 - Commercial Practices. Go to part 1500, and section 1500.91.

⁷ Compliance to the lead content limit of 100 ppm is always required for accessible component parts of children's products, irrespective of any testing requirements.

ASTM F963-11. If a material contains an element at a concentration that is no more than its solubility limit, that material will always be compliant with the solubility requirement.

4. Objective

Under this task order, CPSC staff plans to research the worldwide manufacture of engineered wood products that could be used to construct children’s products, and the potential for engineered wood or the materials used to make engineered wood to contain lead, specified phthalates, or the other specified elements in concentrations above the respective requirements.

The objective of this task order is to acquire data to support Commission determinations regarding required third party testing.

5. Period of Performance

June 15, 2015 through June 14, 2016.

6. Government Furnished Materials

The government will furnish electronic copies of information in public comments received by the Commission concerning engineered wood products.

7. Deliverables or Performance

The contractor shall provide the requested information in the form of a written report. The report shall be in the format of a scientific report with full citations and tables, as appropriate. The reviewer shall e-mail the report to the COR as a Microsoft Word file.

8. Delivery Schedule

The contractor shall provide the service or deliverable listed in Table 3 per the delivery or performance listed.

Table 3. Delivery Schedule		
Item(s)	Quantity	Delivery or Performance
The Contractor and CPSC Contracting Officer’s Representative (COR) will meet by teleconference to discuss and initiate the contractor’s project plan.	1	Within 14 calendar days of project initiation.
The Contractor and CPSC COR shall meet by teleconference for status updates.	As appropriate.	At least once per month after project initiation.

The Contractor shall submit a draft final report to the CPSC COR.	1	Within 180 calendar days after the initial teleconference.
The CPSC COR will provide written comments on the draft final report to the Contractor.	1	Within 14 calendar days after receipt of the draft final report.
The Contractor shall submit a final report to the CPSC COR.	The Contractor shall revise the draft final report as appropriate.	Within 30 calendar days after receipt of comments.
Inspection and Acceptance.	The Final report will be reviewed by the CPSC COR.	Within 14 calendar days after receipt of the report.

9. Place of Delivery

The contractor shall submit written materials by email to the COR, Dr. Kristina Hatlelid (khatlelid@cpsc.gov). If needed, the contractor may mail or send written materials by the deadlines to:

Kristina Hatlelid, Ph.D., M.P.H.
U.S. Consumer Product Safety Commission
5 Research Place
Rockville, MD 20850

Technical questions or clarifications about the documents should be directed to Dr. Kristina Hatlelid at 301-987-2558 or khatlelid@cpsc.gov.

10. Inspection and Acceptance

The Draft Final report submitted to the CPSC will be reviewed within 14 days of receipt of the draft final report for any additional questions and/or comments. If returned to the contractor as a result of the review, the contractor shall address and/or revise their report accordingly and return the final version to the COR within 14 days of receipt. The CPSC COR will then have an additional 14 days to review and accept the Final report.

11. Requirement for CPSC Clearance

The final report is the property of the U.S. Consumer Product Safety Commission. The Contractor shall not publish the final report, present the information at scientific meetings, or in any other way make the findings public in any form without the written permission of the COR. Any publication must be cleared following CPSC procedures, as outlined in the CPSA.