

<b>INTERAGENCY AGREEMENT</b>		1. IAA NO. NRC-HQ-60-12-D-0001/M0018	PAGE 1	OF 2
2. ORDER NO.		3. REQUISITION NO. RES-16-0086	4. SOLICITATION NO.	
5. EFFECTIVE DATE 12/15/2015	6. AWARD DATE 12/15/2015	7. PERIOD OF PERFORMANCE 02/01/2012 TO 03/31/2016		
8. SERVICING AGENCY PACIFIC NORTHWEST NATIONAL LABORATORY PNNL ALC: U.S. DEPARTMENT OF ENERGY DUNS: +4: PACIFIC NORTHWEST SITE OFFICE PO BOX 350 MS K9-42 RICHLAND WA 99352  POC GENICE MADERA TELEPHONE NO. 509-372-4010		9. DELIVER TO IOURI PROKOFIEV US NUCLEAR REGULATORY COMMISSION TWO WHITE FLINT BUILDING 11545 ROCKVILLE PIKE MAIL STOP T-10A36 ROCKVILLE MD 20852		
10. REQUESTING AGENCY ACQUISITION MANAGEMENT DIVISION ALC: 31000001 DUNS: 040535809 +4: US NUCLEAR REGULATORY COMMISSION TWO WHITE FLINT NORTH 11545 ROCKVILLE PIKE MAIL STOP T-5E3 ROCKVILLE MD 20852-2738 POC Carolyn A. Cooper TELEPHONE NO. (301) 415-6734		11. INVOICE OFFICE US NUCLEAR REGULATORY COMMISSION ONE WHITE FLINT NORTH 11555 ROCKVILLE PIKE MAILSTOP O3-E17A ROCKVILLE MD 20852-2738		
12. ISSUING OFFICE US NRC - HQ ACQUISITION MANAGEMENT DIVISION MAIL STOP TWFN-5E03 WASHINGTON DC 20555-0001		13. LEGISLATIVE AUTHORITY Energy Reorganization Act of 1974		
		14. PROJECT ID V6286		
		15. PROJECT TITLE P.A.R.E.N.T (PROGRAM TO ASSESS RELIABILITY OF EMER		

16. ACCOUNTING DATA  
2016-X0200-FEEBASED-60-60D001-11-6-213-1032-253D

17. ITEM NO.	18. SUPPLIES/SERVICES	19. QUANTITY	20. UNIT	21. UNIT PRICE	22. AMOUNT
	NRC-HQ-60-12-D-0001 Master IAA: N/A The purpose of this modification is to: 1) incorporate a within scope change to the existing statement of work as reflected in Attachment 1 to this modification, thereby increasing the ceiling amount of the agreement by \$72,100, from \$1,664,761 to \$1,736,861; 2) add funding in the amount of \$72,100, thereby increasing the amount obligated in the agreement from \$1,664,761 to \$1,736,861; and 3) add an Alternate Contracting Officer's Representative to the agreement. Continued ...				

23. PAYMENT PROVISIONS	24. TOTAL AMOUNT \$72,100.00
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25a. SIGNATURE OF GOVERNMENT REPRESENTATIVE (SERVICING)  Melanie Fletcher, Contracting Officer	25b. NAME AND TITLE	25c. DATE	26a. SIGNATURE OF GOVERNMENT REPRESENTATIVE (REQUESTING) <i>Carolyn A. Cooper</i>	26b. CONTRACTING OFFICER CAROLYN A. COOPER	26c. DATE 12/15/2015
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TEMPLATE - ADM001

SUNSI REVIEW COMPLETE

DEC 23 2015

ADM002

Accordingly, the agreement is hereby modified:

TOTAL AMOUNT OF THIS MODIFICATION: \$72,100.00  
TOTAL AMOUNT OBLIGATED THIS MODIFICATION:  
\$72,100.00  
TOTAL AUTHORIZED CEILING AMOUNT: \$1,736,861.00  
(changed)  
TOTAL AMOUNT OBLIGATED: \$1,736,861.00 (changed)

The Alternate Contracting Officer's  
Representative for this agreement is Bruce Lin,  
and he may be reached on (301)415-2446, or via  
e-mail at bruce.lin@nrc.gov.

The following document is hereby made apart of  
this Agreement Modification:

Attachment 1: Revised Statement of Work

All other terms and conditions of the subject  
agreement remain unchanged.

REFERENCE: Requisition No. RES-16-0086

ASL: 3100001 DUNS: 040535809

TAS: 31X0200.320

## Revised Statement of Work for

### “PARENT – Program to Assess Reliability of Emerging Nondestructive Techniques”

#### Purpose

The purpose of this modification is twofold:

1. To clarify the deliverables and change the deliverable schedule. It is anticipated that additional resources will be needed to complete the deliverables.
2. To add an alternate Contracting Officer's Representative

#### Summary of Modifications

The following modifications are proposed for the statement of work (SOW) for the PARENT program. Specifically, in support of Task 1, PNNL will host the PARENT-11 international meeting and prepare the meeting minutes. For Task 2, PNNL will make corrections to the data and modify the draft NUREG/CR report “Results of Open Testing for the Program to Assess the Reliability of Emerging Nondestructive Techniques” based on feedback from PARENT members and NRC. For Task 3, PNNL will explore the possibility of leveraging data collected by EPRI on a bottom mounted instrumentation (BMI) test block and modify the NUREG/CR draft report “Results of Blind Testing for the Program to Assess the Reliability of Emerging Nondestructive Techniques” to incorporate comments and feedback from PARENT members and NRC. For Task 4, PNNL shall design the ATLAS data information tool to contain information (excluding that which is determined to be proprietary data) on the PARENT test blocks and add data that is offered by the participants and load results into Atlas. PNNL will modify Atlas based on feedback from PARENT members at PARENT-11 and NRC.

1. Replace Section 5 “DELIVERABLES/SCHEDULES AND/OR MILESTONES” with the following in lieu thereof:

#### **DELIVERABLES/SCHEDULES AND/OR MILESTONES**

Task Number	Deliverable	Schedule for Completion
Task 1	Subtask 1.2-Host the PARENT-11 international meeting at PNNL. Prepare and send meeting minutes to participants.	November 2015
Task 2	Subtask 2.3- PNNL staff will analyse and organize all data produced by the open inspection teams as they examine the open test blocks. PNNL will make corrections to the data based on feedback from PARENT members at PARENT-11 and from the NRC.	January 2016  March 2016

	Subtask 2.5- PNNL staff will develop a NUREG/CR containing the results of the analysed open testing results. PNNL shall modify the draft report based on feedback from PARENT members at PARENT-11 and NRC.	
Task 3	Subtask 3.1- PNNL staff shall provide quality assurance for all implanted flaws in the blind test blocks. PNNL will explore the possibility of leveraging data collected by EPRI on a BMI test block for the benefit of PARENT.  Subtask 3.7- PNNL staff shall develop a NUREG/CR containing the results of the analysed blind testing results. PNNL shall modify the draft report based on feedback from PARENT members at PARENT 11 and NRC.	January 2016  March 2016
Task 4	PNNL shall design the ATLAS data information tool to contain information (excluding that which is determined to be proprietary data) on the PARENT test blocks and add data that is offered by the participants. PNNL shall load results into Atlas and modify Atlas based on feedback from PARENT members at PARENT-11 and NRC	March 2016

2. Revise Section 8 "MEETINGS AND TRAVEL" to add the following:

PNNL will send one staff member to support the invigilation of test data analysis at EPRI and one domestic travel for program review at NRC. These trips are anticipated and may be modified by agreement between NRC and PNNL.

3. Revise Section 11 "CONTRACTING OFFICER'S REPRESENTATIVE" to add the following:

Alternate Contracting Officer's Representative

Name: Bruce Lin

Agency: U.S. Nuclear Regulatory Commission

Office: Office of Research

Mail Stop: TWF-10A36

11555 Rockville Pike

Rockville, MD 20852-2738

Telephone: (301) 415-2446

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