AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE		PAGE C	PAGES
AMENDMENT/MODIFICATION NO. 3. EFFECTIVE DATE (M/D/Y) 4. REQUISITION		V/PURCHASE REQ. NO.	5. PROJE	1 ECT NO. (If ap)	plicable)	
A533	See Block 16C	09SC006432				
6. ISSUED BY CODE U.S. Department of Energy		7. ADMINISTER	ED BY (If other than Item 6	6) CODE	L	
Pacific Northwest Site Office Post Office Box 350 Richland, WA 99352		y '				
8. NAME AND ADDRESS OF CONTRACTOR (No., street	, county, State and ZIP code)		9A. AMENDME	NT OF SOI	LICITATION NO	D.
Battelle Memorial Institute Pacific Northwest Division			9B. DATED (S	EE ITEM 1	1)	
Richland, Benton County, WA 99352			10A. MODIFICA	ATION OF C	CONTRACT/ O	RDER NO.
DUNS # 032987476			DE-AC05-76RL01830			
			10B. DATED (S	SEE ITEM 1	13)	
CODE	FACILITY CODE		Decem	ber 30,	1964	
11. THIS ITEM APPLIES TO AMENDMENTS OF SOLICITATION						*
The above numbered solicitation is amended as set for				tended,	is not exter	nded.
Offers must acknowledge receipt of this amendment prior to						
(a) By completing Items 8 and 15, and returningcopies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer						
submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE DATE AND HOUR SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue						
of this amendment you desire to change an offer already sub solicitation and amendment and is received prior to the open	mitted, such change may be mad	le by telegram or le	etter, provided each telegr	am or lette	r makes refere	ence to the
12. ACCOUNTING AND APPROPRIATION DATA (If requi						
	160)					
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS SET FORTH IN ITEM 14.						
CHECK ONE A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.						
			THE BEING THE GOINT	TOTO! OND	LICITO. IIVIII	TIOA.
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO AUTHORITY OF FAR 43.103(b).						
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO THE AUTHORITY OF:						
D. OTHER (Specify type of modification and authority)						
In accordance with Section I, Clause I-106 DEAR 970.5232-4, "Obligation of Funds" and P.L. 111-5						
E. IMPORTANT: Contractor is not, is required to sign this document and return _2_ copies to the issuing office.						
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)						
Obligation Notice 575						
The purpose of this contract modification is	s to deobligate funds fro	m the Amer	ican Recovery and	Reinve	actment A	ot of 2000
The purpose of this contract modification is to deobligate funds from the American Recovery and Reinvestment Act of 2009 to the Office of Advanced Scientific Computing Research – Computational Partnerships SciDAC-e Program (Project Code						
2005060). (See Continuation Page)						
, ,						
Except as provided herein, all terms and conditions of the do	cument referenced in Item 9A or	10A, as heretofore	changed, remains uncha	nged and i	n full force and	d effect.
15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND	TITLE OF CONTRACTION	NG OFFICI	ER (Type or p	orint)
Karen L. Hoewing,			M Kilbuni			
General Counsel			M. Kilbury acting Officer			
AFR CONTRACTOR OF THE						
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED ST	ATES OF AMERICA		16C. DATE	E SIGNED
Karend Holloine	_ 8-28-09	BY	Milly		8-2	8-09
(Signature of person authorized to sign)	0 0.0	(Signat	ure of Contracting Officer)		1 "	- 1
NSN 7540 ¹ 01-152-8070 PREVIOUS EDITION LINUSABLE	30-105			STANDA	RD FORM 30	(REV. 10-83)

STANDARD FORM 30 (REV. 10-83) Prescribed by GSA FAR (48 CFR) 53.243

Block 14 "DESCRIPTION OF AMENDMENT/MODIFICATION," continued.

A. Advanced Scientific Computing Research (ASCR). This modification is issued to deobligate American Recovery and Reinvestment Act (ARRA) of 2009 funds. This research focuses on the development of advanced Kalman filtering techniques and the formulation of dynamic state estimation, which will fundamentally change the paradigm of real-time operations and control for complex systems. The proposed research may have a revolutionary impact on how complex systems are operated and ultimately lead to better decision making and control of complex systems.

The Recovery Act Project title is Advanced Scientific Computing Research – Computational Partnerships SciDAC-e Program (Project Code 2005060). The project code that should be used to track this Recovery Act funding in the Project section of the Accounting Flex Field in STARS/IDW is 2005060.

- B. Accordingly, pursuant to Section I, Contract Clause, "Obligations of Funds" and Section B, Contract Clause, B-2, "Obligated Funds", funds in the amount of \$7,000.00 are hereby deobligated in support of Recovery Act activities. The total amount of funds obligated under this contract since the inception is increased from \$11,747,544,759.83 to \$11,747,537,759.83.
- C. The specific work funded by this modification is described in Work Authorization Number KJ/OR48/9/ARRA-1, titled "Advanced Scientific Computing Research Computational Partnerships SciDAC-e Program" (Project Code 2005060).
- D. The work described in this modification shall be performed using funds obligated under this contract, which have been appropriated under the American Recovery and Reinvestment Act of 2009, Pub. L. 111-5, and as such, is subject to the special statutory conditions and the additional contractual terms and conditions that were incorporated into the contract at Modification No. A508. The funds obligated hereunder shall only be used to accomplish the work as set forth in paragraph C. above and may not be used for any other purpose without the prior written consent of the Contracting Officer.
- E. The contractor shall complete all Recovery Act Work funded by this modification in accordance with Recovery Act requirements, including the required completion dates specified therein, and by the completion date identified in the approved work authorization for the activity.
- F. All other terms and conditions remain unchanged.[A533]

(End of Contract Modification A533)