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	Gr	ant and (Coope	erativ	e 4	\greem	ient			OPERATIVE REEMENT
									X GR	ANT
									<u>A</u> on	
CHOOSE ONE:	ED	UCATION	FACILIT	ries	X	RESEARCH		SDCR	TRA	INING
4 OD 11 17 10 O ODED 17 11 15	· · ODEE	APAIT AU MADED	10	OUDD! EME	UT 111114	n=n	To eres	OTIVE DATE	L COMPLE	TION DATE
1. GRANT/COOPERATIVE NRC-HQ-11-G-04-		MENT NUMBER		SUPPLEME 011	N I NUM	REK	1	CTIVE DATE 5/2016	4. COMPLE	ETION DATE
5. ISSUED TO					SSUEDI	BY U.S.	NRC -	HQ		-
NAME/ADDRESS OF RINATIONAL RESEAR	ECIPIENT	Γ (No., Street, City/Cou เมษายน	ınty, State, Zip) N	lailing A	ddress: Acqui	isition	n Managemer	nt Division	
500 FIFTH STREE		ONCIL						TWFN-5E03		
WASHINGTON DC 2	00012	736				Wash	ington	DC 20555-0	0001	
		•					,			
				1						
7. TAXPAYER IDENTIFICA	TION NO	. (TIN)						NIZATION'S PROJ	ECT OR	
53-0196932		, ,				AM MGR. (Name	•			
8. COMMERCIAL & GOVE	RNMENT	ENTITY (CAGE) NO.				ha Magsino				,
10 PEOF :		000411		Ph	one:	(202) 334	-2744	Email: sma	agsino@nas.e	du
10. RESEARCH, PROJECT				ad Caata	ahni	aal Engina	anina	(COCCE) NA	7	
Support for the	COMMIT	ctee on Georg	ogical ai	ia Geore	CIIIIT	car Engine	erring	(COGGE) NAS	•	
11. PURPOSE										
See schedule										
										,
12. PERIOD OF PERFORM	ANCE (A	Approximately)								-
09/01/2011 throu	ıgh 08	3/31/2017								
13A.		AWARD H	ISTORY		13B.				FUNDING HISTOR	RY
PREVIOUS				\$125,000.00) PRE	VIOUS				\$125,000.00
THIS ACTION				\$25,000.00) THIS	ACTION				\$10,000.00
CASH SHARE				\$0.00			TOTAL			\$135,000.00
NON-CASH SHARE				\$0.00				 		
RECIPIENT SHARE			-	\$0.00				1		
14. ACCOUNTING AND AF		ATION DATA		S150,000.00						
2016-X0200-FEEB			6-161-106	61-4110						
PURCHASE REQUEST NO			DER NO.	01 4110		AMOUNT			STATUS	
RES-16-0468	·	30808	DER NO.		+	AMOUNT			31/103	
KE3-10-0400		 			+				<u> </u>	
15. POINTS OF CONTACT	т	<u> </u>				-				<u> </u>
	T	NAME		MAIL S	TOP	TELEPHO	NE	T	E-MAIL ADDRES	 S
TECHNICAL OFFICER	SARA	H B. SHAFFER		10 B16		(301) 415	-2031	SARAH.SHAF	FER@nrc.gov	
NEGOTIATOR										
ADMINISTRATOR	M'LI	TA R. CARR				(301) 415	-6869	MLITA.CARR	@nrc.gov	
PAYMENTS				<u> </u>						
16. THIS AWARD IS MADE	UNDER	THE AUTHORITY OF	:							
Pursuant to Sec	tion	31b and 14b c	of the At	omic En	ergy	Act of 195	53, as	amended.		
17. APPLICABLE STATEM	IENT(S)	IF CHECKED:			18	. ARPLICARI E E	NCLOSUR	E(S), IF CHECKE		
NO CHANGE IS MADE TO EXISTING PROVISIONS					18. APPLICABLE ENCLOSURE(S), IF CHECKED: PROVISIONS SPECIAL CONDITIONS					
				•		믘		_		
REQUIREMENTS		IONS AND THE AGE O THIS GRANT	NCY-SPECIFIC			☐ KEQUIRE	D PUBLICA	ATIONS AND REP	UKIS	
	UNITE	ED STATES OF AMER	ICA				COOPERA	TIVE AGREEMEN	TRECIPIENT	
CONTRACTING/GRANT O)EEICED			ATE	Δ1	UTHORIZED REF	PRESENTA	TIVE		DATE
M'LITA R. CARR	, , IOER	Missila, C	I	8/03/2016		STIONIZED REF	LOLINIA	V L.		DAIL
L TITLE IV. CAIK		111031800	ars 0		L					

Grant and Cooperative Agreement

		QUANTITY (C)		ESTIMATED COST		
ITEM NO. (A)	ITEM OR SERVICE (Include Specifications and Special Instructions) (B)		UNIT (D)	UNIT PRICE (E)	AMOUNT (F)	
	CFDA Number: 77.009					
	Grant Number: NRC-HQ-11-G-04-0065					
	REQ Number: RES-16-0468					
	The purpose of this modification is:					
	1) To increase the grant ceiling;					
	2) To extend the period of performance; and					
	3) To provide incremental funding.					
	As a result of this modification:					
	1) The ceiling of the grant has increased by					
	\$25,000.00 from \$125,000.00 to \$150,000.00.					
	ATTACHMENT A - SCHEDULE, A. Section A.GENERAL,	•				
	item 1, delete in its entirety and replace with					
	the following:	,				
	"1. Total Estimated NRC Amount: \$150,000.00"					
	2) Funding in the amount of \$10,000.00 has been					
	provided thereby increasing the total obligated					
	amount by \$10,000.00 from \$125,000.00 to					
	\$135,000.00.					
	ATTACHMENT A - SCHEDULE, A. Section A.GENERAL,					
	item 2, delete in its entirety and replace with					
	the following:					
	"Total Obligated Amount: \$135,000.00"					
	3) The period of performance is sustanded for-					
	3) The period of performance is extended from 8/31/2016 to 8/31/2017.					
	, , , , , , , , , , , , , , , , , , , ,					
	ATTACHMENT A - SCHEDULE, A. Section A.2			1		
	PERIOD OF GRANT, delete in its entirety and					
	replace with the following:					
	Continued					

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Grant and Cooperative Agreement

		QUANTITY (C)		ESTIMATED COST		
ITEM NO. (A)	ITEM OR SERVICE (Include Specifications and Special Instructions) (B)		UNIT (D)	UNIT PRICE (E)	AMOUNT (F)	
	"1. The effective date of this Grant is September					
	1, 2011. The completion date of this Grant is					
	August 31, 2017.					
	2. Funds obligated in this grants are available					
	for program expenditures for the period:			,	٦	
	September 1, 2011 - August 31, 2017"					
	B. Section A.4 AMOUNT OF AWARD AND PAYMENT					
	PROCEDURES, delete in its entirety and replace					
	with the following:					
	"1. The total estimated amount of this Award is					
.•	\$125,000.00 for a six year period."					
	**All other terms and conditions remain the					
	same.**					
	LIST OF CHANGES:				•	
	Total Amount for this Modification: \$10,000.00					
	Delivery: 07/15/2016					
	Delivery Location Code: NRCHQ					
	US NUCLEAR REGULATORY COMMISSION-					
	MAIL PROCESSING CENTER			1		
	4930 BOILING BROOK PARKWAY					
	ROCKVILLE MD 20852 USA					
	Payment:					
	ASAP GRANT FUNDS REIMBURSEMENT SYS					
	US TREASURY					
	Period of Performance: 09/01/2011 to 08/31/2017					
	,					

. A. .