	Gra	ant and	Сооре	rativo	e Agreer	nent		Page 1 of CHOOSE ONE:		
			-					AGREEMENT X GRANT		
CHOOSE ONE:	EDU	JCATION	FACILITI	ËS	X RESEARCH		SDCR			
1. GRANT/COOPERATIVE	AGREEM		2. S	UPPLEMENT	NUMBER	3. EFFE	CTIVE DATE	4. COMPLETION DATE		
NRC-HQ-11-G-04-	0085		MOC	08			/2014			
5. ISSUED TO NAME/ADDRESS OF RI UNIV TENNESSEE 1331 CIR PARK D KNOXVILLE TN 37	R		ounty, State, Zip)		il ing Address: Acq Mai	l Stop:				
7. TAXPAYER IDENTIFICA	(TIN)			9. PRINCIPAL INVESTIGATOR/ORGANIZATION'S PROJECT OR PROGRAM MGR. (Name & Phone)						
8. COMMERCIAL & GOVE	ENTITY (CAGE) NO		Dr.	Dr. Robert Hatcher						
			· ·	Ema	il: bobmap@u	tk.edu,	Phone: 8	865-974-5066		
10.RESEARCH,PROJECT Collaborative Re Seismic Zone 11.PURPOSE See Schedule) Address I	Large Ea	rthquake Sei	smology	in the H	East Tennessee		
12. PERIOD OF PERFORM	•••	•								
09/26/2011 throu 1 3A .	ign 09,				13B.		1	FUNDING HISTORY		
PREVIOUS		AWARD HISTORY \$454,70						\$454,706.0		
THISACTION					0 THIS ACTION			\$454,768.8		
CASH SHARE					00 TOTAL			\$454,706.0		
NON-CASH SHARE			_	\$0.00			ļ			
RECIPIENT SHARE			¢ 1	\$0.00			+			
14. ACCOUNTING AND AF	· · · · · · · · · · · · · · · · · · ·	TION DATA	Ð 4	54,706.00	L		1			
PURCHASE REQUEST NO. JOB OR		DER NO.		AMOUNT		STATUS				
15. POINTS OF CONTACT				TELEDLIONE						
TECHNICAL OFFICER	OFFICER SARAH B. SHAFFER			MAILSTO CSB/ C6			E-MAIL ADDRESS SARAH.SHAFFER@NRC.GOV			
NEGOTIATOR										
ADMINISTRATOR	M'LITA R. CARR			301-287-	301-287-0909		MLita.Carr@nrc.gov			
PAYMENTS	_[
16. THIS AWARD IS MADE Pursuant to Sec				omic Ene	ergy Act of 3	1953, as	amended	1.		
17. APPLICABLE STATEM					18. APPLICABLE	ENCLOSUR	E(S), IF CHE	CKED:		
X NO CHANGE IS N										
FDP TERMS AND REQUIREMENTS		ONS AND THE AGE	ENCY-SPECIFIC			ED PUBLICA	TIONS AND F	REPORTS		
	UNITE	D STATES OF AME	RICA			COOPERA	TIVE AGREEN			
CONTRACTING/GRANT C M'LITA R. CARR		mithiken	DA Calasto, 11/	TE /12/2014	AUTHORIZED RI	EPRESENTA	TIVE			
TEMPLATE – AD	MOOT		SUNSI F	REVIE	W COMPL	ETŁ	NOV 1			

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Grant and Cooperative Agreement

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ITEM NO. (A)		QUANTITY (C)	UNIT (D)	ESTIMATED COST		
	ITEM OR SERVICE (Include Specifications and Special Instructions) (B)			UNIT PRICE (E)	AMOUNT (F)	
(0)	CFDA Number: 77.009		(-7			
	NRC-HQ-11-G-04-0085 - M0008					
	ZEROREQ-RES-15-0045					
	T/A is Scott Stovall, 301-251-7922,					
	scott.stovall@nrc.gov					
	The purpose of this modification is to change the					
	Office of Regulatory Research (RES) Program					
	Manager from Chon Davis to Sarah Shaffer (Email:					
	Sarah. Shaffer@nrc.gov; Phone: 301-251-7942).					
	All other terms and conditions remain the same.					
	Payment:					
	ASAP GRANT FUNDS REIMBURSEMENT SYS					
	US TREASURY					
	Period of Performance: 09/26/2011 to 09/25/2015					
	,					
		1				