

**U.S. NUCLEAR REGULATORY COMMISSION  
NOTICE OF GRANT/ASSISTANCE AWARD**

<b>1. GRANT/AGREEMENT NO.</b> NRC-04-09-143	<b>2. MODIFICATION NO.</b> M004	<b>3. PERIOD OF PERFORMANCE</b> FROM: 7/23/2010 TO: 6/30/2012	<b>4. AUTHORITY</b> Pursuant to Section 31b and 141b of the Atomic Energy Act of 1954, as amended												
<b>5. TYPE OF AWARD</b>  <input checked="" type="checkbox"/> GRANT <input type="checkbox"/> COOPERATIVE AGREEMENT	<b>6. ORGANIZATION TYPE</b>  790934285	<b>7. RECIPIENT NAME, ADDRESS, and EMAIL ADDRESS</b> UNIVERSITY OF MARYLAND OFFICE OF RESEARCH ADMINISTRATION & ADVANCEMENT  3112 LEE BUILDING COLLEGE PARK MD 207425100													
<b>8. PROJECT TITLE:</b> Model-Based Human Reliability Analysis															
<b>9. PROJECT WILL BE CONDUCTED PER GOVERNMENT'S/RECIPIENT'S PROPOSAL(S) DATED</b>  June 12, 2009 <b>AND APPENDIX A-PROJECT GRANT PROVISIONS</b>	<b>10. TECHNICAL REPORTS ARE REQUIRED</b> <input checked="" type="checkbox"/> PROGRESS AND FINAL <input type="checkbox"/> FINAL ONLY <input type="checkbox"/> OTHER (Conference Proceedings)	<b>11. PRINCIPAL INVESTIGATOR(S) NAME, ADDRESS and EMAIL ADDRESS</b> Dr. Ali Mosleh Center for Risk and Reliability University of Maryland 3112 Lee Building College Park, MD 20742-5141													
<b>12. NRC PROGRAM OFFICE (NAME and ADDRESS)</b> Maria Shofer, 301-251-7689 RES/DRA/CSB-MS:C4A07M 21 Church Street Rockville, MD 20850	<b>13. ACCOUNTING and APPROPRIATION DATA</b> APPN. NO: 31X0200.060 B&R NO: 060-15-111-203 JOB CODE: K6874 BOC NO: 4110 OFFICE ID NO: RES-C10-726	<b>14. METHOD OF PAYMENT</b> <input type="checkbox"/> ADVANCE BY TREASURY CHECK <input type="checkbox"/> REIMBURSEMENT BY TREASURY CHECK <input type="checkbox"/> LETTER OF CREDIT <input checked="" type="checkbox"/> OTHER (SPECIFY) Electronic ASAP.gov (See Remarks in Item #20 "Payment Information")													
<b>15. NRC OBLIGATION FUNDS</b>  <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">THIS ACTION</td> <td style="width:50%; text-align: right;">\$50,000.00</td> </tr> <tr> <td>PREVIOUS OBLIGATION</td> <td style="text-align: right;">\$373,000.00</td> </tr> <tr> <td><b>TOTAL</b></td> <td style="text-align: right;"><b>\$423,000.00</b></td> </tr> </table>		THIS ACTION	\$50,000.00	PREVIOUS OBLIGATION	\$373,000.00	<b>TOTAL</b>	<b>\$423,000.00</b>	<b>16. TOTAL FUNDING AGREEMENT</b>  <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">NRC</td> <td style="width:50%; text-align: right;">\$666,856.00</td> </tr> <tr> <td>RECIPIENT</td> <td style="text-align: right;">0.00</td> </tr> <tr> <td><b>TOTAL</b></td> <td style="text-align: right;"><b>\$666,856.00</b></td> </tr> </table> <p style="text-align: right; margin-top: 10px;">This action provides funds for Fiscal Year 10 in the amount of 50,000.00</p>		NRC	\$666,856.00	RECIPIENT	0.00	<b>TOTAL</b>	<b>\$666,856.00</b>
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<b>17. NRC ISSUING OFFICE (NAME, ADDRESS and EMAIL ADDRESS)</b>  U.S. Nuclear Regulatory Commission Division of Contracts Attn: Shashi Malhotra Mail Stop TWB-01B10M Washington, DC 20555															
<b>18.</b> Acceptance of or objections to the Terms and Conditions of Award must be Emailed to the NRC Issuing Office (Block #17) within three (3) business days following the Award issue date. NRC considers lack of response as acceptance by the grantee of the terms and conditions of award.		<b>19. NRC CONTRACTING OFFICER</b>  <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%; text-align: center;">             (Signature)         </td> <td style="width:40%; text-align: center;">           8/30/10            (Date)         </td> </tr> <tr> <td colspan="2">NAME (TYPED) <u>Sheila Bumpass</u></td> </tr> <tr> <td colspan="2">TITLE <u>Contracting Officer</u></td> </tr> <tr> <td colspan="2">TELEPHONE NO. <u>301-492-3484</u></td> </tr> </table>		 (Signature)	8/30/10 (Date)	NAME (TYPED) <u>Sheila Bumpass</u>		TITLE <u>Contracting Officer</u>		TELEPHONE NO. <u>301-492-3484</u>					
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<b>20. PAYMENT INFORMATION</b>  Payment will be made through the Automated Standard Application for Payment (ASAP.gov) unless the recipient has failed to comply with the program objectives, award conditions, Federal reporting requirements or other conditions specified in 2 CFR 215 (OMB Circular A110).															
<b>21.</b> Attached is a copy of the "NRC General Provisions for Grants and Cooperative Agreements Awarded to Non-Government Recipients. Acceptance of these terms and conditions is acknowledged when Federal funds are used on this project.															
<b>22. ORDER OF PRECEDENCE</b> In the event of a conflict between the recipient's proposal and this award, the terms of the Award shall prevail.															
<b>23.</b> By this award, the Recipient certifies that payment of any audit-related debt will not reduce the level of performance of any Federal Program.															

TEMPLATE - ADM001

**SUNSI REVIEW COMPLETE**

**ADM002**

**DESCRIPTION OF MODIFICATION:**

The purpose for modification number 004 is to:

1. Provide incremental funding in the amount of \$50,000.

As a result of this modification:

1. The obligated amount has increased from \$373,000.00 to \$423,000.

Base Period: July 13, 2009 – June 30., 2012  
Assistance Award Ceiling: \$666,856.00  
NRC Total Obligated Amount: \$423,000.00

All terms and conditions remain the same.