

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

<b>1. GRANT/AGREEMENT NO.</b> NRC-HQ-11-G-04-0060	<b>2. MODIFICATION NO.</b> M002	<b>3. PERIOD OF PERFORMANCE</b> FROM: 9/21/2011 TO: 04/26/2013	<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>  Public State-Controlled Institution of Higher ED  DUNS: 001425594 NAICS: 611310	<b>7. RECIPIENT NAME, ADDRESS, and EMAIL ADDRESS</b>  Massachusetts Institute of Technology 77 Massachusetts Avenue E18-901 Cambridge, MA 02139-4307													
<b>8. PROJECT TITLE:</b> Evaluating the Safety of Digital Instrumentation and Control Systems in Nuclear Power Plants															
<b>9. PROJECT WILL BE CONDUCTED PER GOVERNMENT'S/RECIPIENT'S PROPOSAL(S) DATED</b>  AND APPENDIX A-PROJECT GRANT PROVISIONS	<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> Nancy Leveson, Ph.D. Massachusetts Institute of Technology 77 Massachusetts Avenue Cambridge, MA 02142 Email: <a href="mailto:leveson@mit.edu">leveson@mit.edu</a> , Phone: 617-258-0505													
<b>12. NRC PROGRAM OFFICE (NAME and ADDRESS)</b> NRC Attn: Heather Dempsey, <a href="mailto:Heather.Dempsey@nrc.gov">Heather.Dempsey@nrc.gov</a> Office of Regulatory Research MS: CS C6-D20, (301) 251-7666 11545 Rockville Pike Rockville, Maryland 20852 Tech Analyst: Luis Betancourt, <a href="mailto:Luis.Betancourt@nrc.gov">Luis.Betancourt@nrc.gov</a>	<b>13. ACCOUNTING and APPROPRIATION DATA</b> APPN. NO: 31X0200 B&R NO: 2013-60-11-6-119 JOB CODE: G6018 BOC NO: 4110 OFFICE ID NO: RFPA: RES-13-042	<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;">\$0.00</td> </tr> <tr> <td>PREVIOUS OBLIGATION</td> <td style="text-align: right;">\$174,535.36</td> </tr> <tr> <td><b>TOTAL</b></td> <td style="text-align: right;"><b>\$174,535.36</b></td> </tr> </table>		THIS ACTION	\$0.00	PREVIOUS OBLIGATION	\$174,535.36	<b>TOTAL</b>	<b>\$174,535.36</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;">\$174,535.36</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>\$174,535.36</b></td> </tr> </table> <p style="text-align: right; margin-top: 10px;">This action provides funds for Fiscal Year FY2013 in the amount of \$0.00</p>		NRC	\$174,535.36	RECIPIENT	\$0.00	<b>TOTAL</b>	<b>\$174,535.36</b>
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<b>17. NRC ISSUING OFFICE (NAME, ADDRESS and EMAIL ADDRESS)</b>  U.S. Nuclear Regulatory Commission Div. of Contracts Attn: M'Lita Carr Email: <a href="mailto:MLita.Carr@NRC.GOV">MLita.Carr@NRC.GOV</a> Mail Stop: TWB-01-B10M Rockville MD 20852															
<b>18.</b>  Signature Not Required		<b>19. NRC CONTRACTING OFFICER</b>  <div style="text-align: right;">           (Signature) _____          (Date) 3/19/13       </div> NAME (TYPED) <u>M'Lita Carr</u>  TITLE <u>Contracting Officer</u>  TELEPHONE NO. <u>301-492-3464</u>													
<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.															

**DESCRIPTION OF MODIFICATION:**

The purpose of this modification M002 is:

1. Update FFR reporting information;
2. Update PPR reporting information.

As a result of this modification:

1. ATTACHMENT C – STANDARD TERMS AND CONDITIONS entitled "Monitoring and Reporting § 215.51" section b. – Federal Financial Reports is deleted in its entirety and replaced with the following:

**"Federal Financial Reports**

The Grantee shall submit a "Federal Financial Report" (SF-425) on a quarterly basis for the periods ending March 31, June 30, September 30, and December 31, or any portion thereof, unless otherwise specified in a special award condition. Reports are due no later than 30 days following the end of each reporting period. A final SF-425 is due within 90 days after expiration of the award. The report should be submitted electronically to the following:

1. Grants\_FFR@NRC.gov (NOTE: There is an underscore between Grants and FFR);
2. RESGrants.Resource@NRC.gov;
3. Technical Analyst; and
4. Grants Officer."

2. ATTACHMENT C – STANDARD TERMS AND CONDITIONS entitled "III. Programmatic Requirements" section Performance (Technical) Reports is deleted in its entirety and replaced with the following:

**"Performance (Technical) Reports**

The Grantee shall submit performance (technical) reports electronically to the NRC Project Officer and Grants Officer on a quarterly for the periods ending March 31, June 30, September 30, and December 31, or any portion thereof, unless otherwise specified in a special award condition. Reports are due no later than 30 days following the end of each reporting period. The report should be submitted electronically to the following:

1. Grants\_PPR@NRC.gov (NOTE: There is an underscore between Grants and PPR);
2. RESGrants.Resource@NRC.gov;
3. Technical Analyst; and
4. Grants Officer.

a. Unless otherwise specified in the award provisions, performance (technical) reports shall contain brief information as prescribed in the applicable uniform administrative requirements 2 CFR §215.51 which are incorporated in the award.

b. The Office of Regulatory Research requires the submission of progress reports on the SF-RPPR on a quarterly basis for the periods ending March 31, June 30, September 30, and December 31, or any portion thereof, unless otherwise specified in a special award condition. Reports are due no later than 30 days following the end of each reporting period."

**All other terms and conditions remain the same.**