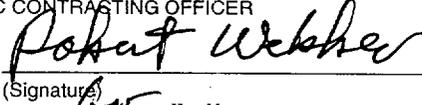
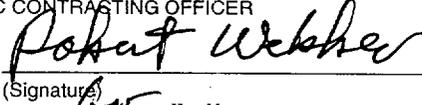
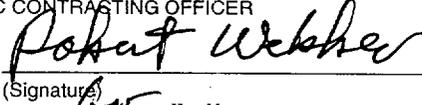


**U.S. NUCLEAR REGULATORY COMMISSION
NOTICE OF GRANT/ASSISTANCE AWARD**

1. GRANT/AGREEMENT NO. NRC-04-97-067	2. MODIFICATION NO. 8	3. PERIOD OF PERFORMANCE FROM: 10/1/97 TO: 12/31/2002	4. AUTHORITY Pursuant to Section 31a and 141b of the Atomic Energy Act of 1954, as amended																
5. TYPE OF AWARD <input type="checkbox"/> GRANT <input checked="" type="checkbox"/> COOPERATIVE AGREEMENT	6. ORGANIZATION TYPE		7. RECIPIENT NAME AND ADDRESS University of Virginia Department of Electrical Engineer School of Engineering & Applied Science Thorton Hall Charlottesville, VA 22903-2442																
8. PROJECT TITLE: Embedded Real-Time Safety-Critical Digital Systems																			
9. PROJECT WILL BE CONDUCTED PER GOVERNMENT'S/RECIPIENT'S PROPOSAL(S) DATED 10/8/2001 AND APPENDIX A-PROJECT GRANT PROVISIONS	10. TECHNICAL REPORTS ARE REQUIRED <input checked="" type="checkbox"/> PROGRESS AND FINAL <input type="checkbox"/> FINAL ONLY <input type="checkbox"/> OTHER (Conference Proceedings)	11. PRINCIPAL INVESTIGATOR(S) NAME AND ADDRESS Barry W. Johnson Professor of Electrical and Computer Engineering, Thorton Hall 351 McCormick Road, PO Box 400743 Charlottesville, VA 22904-4743																	
12. NRC PROGRAM OFFICE (NAME ADDRESS) John Calvert U.S. Nuclear Regulatory Commission Office of Nuclear Regulatory Research Washington, DC 20555	13. ACCOUNTING APPROPRIATION DATA APPN. NO: 31X0200.260 BB NO: 26015110195 JOB CODE: K6907 BOC NO: 4110 OFFICE ID NO: RES-C02-027	14. METHOD OF PAYMENT <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) ACH (See Attach. 30 in Appendix A - "Electronic Payment")																	
15. NRC OBLIGATION FUNDS <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">THIS ACTION</td> <td style="width:50%; text-align: right;">\$175,000.00</td> </tr> <tr> <td>PREVIOUS OBLIGATION</td> <td style="text-align: right;">\$1,700,000.00</td> </tr> <tr> <td>TOTAL</td> <td style="text-align: right;">\$1,875,000.00</td> </tr> </table>		THIS ACTION	\$175,000.00	PREVIOUS OBLIGATION	\$1,700,000.00	TOTAL	\$1,875,000.00	16. TOTAL FUNDING AGREEMENT <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:30%;">NRC</td> <td style="width:30%; text-align: right;">\$1,875,000.00</td> <td style="width:40%;">This action provides funds for Fiscal Year 02 in the amount of \$175,000.00</td> </tr> <tr> <td>RECIPIENT</td> <td style="text-align: right;">0</td> <td></td> </tr> <tr> <td>TOTAL</td> <td style="text-align: right;">\$1,875,000.00</td> <td></td> </tr> </table>		NRC	\$1,875,000.00	This action provides funds for Fiscal Year 02 in the amount of \$175,000.00	RECIPIENT	0		TOTAL	\$1,875,000.00		
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RECIPIENT	0																		
TOTAL	\$1,875,000.00																		
17. NRC ISSUING OFFICE (NAME AND ADDRESS) U.S. Nuclear Regulatory Commission Division of Contracts and Property Mgt. Attn: T-7-I-2 Contract Management Branch Washington DC 20555																			
18. RECIPIENT <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; text-align: center;">  (Signature) </td> <td style="width:50%; text-align: center;"> 3-28-02 (Date) </td> </tr> <tr> <td colspan="2">NAME (TYPED) Gerald J. Kane</td> </tr> <tr> <td colspan="2">TITLE Assistant Director for Grants and Contracts</td> </tr> <tr> <td colspan="2">TELEPHONE NO. 434 924 4270</td> </tr> </table>		 (Signature)	3-28-02 (Date)	NAME (TYPED) Gerald J. Kane		TITLE Assistant Director for Grants and Contracts		TELEPHONE NO. 434 924 4270		19. NRC CONTRACTING OFFICER <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; text-align: center;">  (Signature) </td> <td style="width:50%;"></td> </tr> <tr> <td colspan="2">NAME (TYPED) Mary H. Mace</td> </tr> <tr> <td colspan="2">TITLE Contracting Officer</td> </tr> <tr> <td colspan="2">TELEPHONE NO. 301-415-7314</td> </tr> </table>		 (Signature)		NAME (TYPED) Mary H. Mace		TITLE Contracting Officer		TELEPHONE NO. 301-415-7314	
 (Signature)	3-28-02 (Date)																		
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20. PAYMENT INFORMATION Payment will be made within thirty (30) days after receipt of the billing unless the bill is improper or the recipient has failed to comply with the program objectives, award conditions, Federal reporting requirements or other conditions specified in OMB Circular A-110. Payment will be made by: _____ Vouchers should be submitted in an original and three (3) copies on form 270 to: U.S. Nuclear Regulatory Commission Office of the Chief Financial Officer Attn: GOV/COM Acctng. Section T-9H4 Washington DC 20555																			
21. Attached is a copy of the "NRC General Provisions for Grants and Cooperative Agreements Awarded to Institutions of Higher Education and Other Nonprofit Organizations". Acceptance of these terms and conditions is acknowledged when Federal funds are used on this project.																			
22. ORDER OF PRECEDENCE In the event of a conflict between the recipient's proposal and this award, the terms of the Award shall prevail.																			
23. By this award, the Recipient certifies that payment of any audit-related debt will not reduce the level of performance of any Federal Program																			

U.S. NUCLEAR REGULATORY COMMISSION
COOPERATIVE AGREEMENT NRC-04-97-06
MODIFICATION NO. 8

The purpose of this modification is to increase the obligated amount in the Cooperative Agreement by \$175,000.00 from \$1,700,000.00 to \$1,875,000.00, thereby fully funding the agreement.

A summary of obligations for this Cooperative Agreement, from the award date through the date of this action is provided below:

Total FY 97 Obligations:	\$ 325,000.00
Total FY 98 Obligations:	\$ 250,000.00
Total FY 99 Obligations:	\$ 250,000.00
Total FY 00 Obligations:	\$ 350,000.00
Total FY 01 Obligations:	\$ 350,000.00
Total FY 02 Obligations:	\$ 350,000.00

Cumulative Total of NRC Obligations: \$1,875,000.00

This modification obligates FY 02 funds in the amount of \$175,000.00.

All other terms and conditions of this agreement remain unchanged.