

<b>INTERAGENCY AGREEMENT</b>		1. IAA NO. NRC-HQ-60-16-D-0004		PAGE OF 1 3	
2. ORDER NO.		3. REQUESTION NO. RES-16-0093		4. SOLICITATION NO.	
5. EFFECTIVE DATE 02/10/2016		6. AWARD DATE 02/10/2016		7. PERIOD OF PERFORMANCE 02/10/2016 TO 02/08/2021	
8. SERVICING AGENCY OAK RIDGE NATIONAL LAB ALC: DUNS: 012075755 +4: US DEPARTMENT OF ENERGY OAK RIDGE NATION LABORATORY SITE OFFICE BUILDING 4500N MS 6269 PO BOX 2008 OAK RIDGE TN 37831-6269 POC Deborah Garland, CO TELEPHONE NO. (865) 241-9566			9. DELIVER TO CARL THURSTON US NUCLEAR REGULATORY COMMISSION MAIL STOP TWFN 10 D61 11555 ROCKVILLE PIKE ROCKVILLE MD 20852		
10. REQUESTING AGENCY ACQUISITION MANAGEMENT DIVISION ALC: 31000001 DUNS: 040535809 +4: US NUCLEAR REGULATORY COMMISSION ONE WHITE FLINT NORTH 11555 ROCKVILLE PIKE ROCKVILLE MD 20852-2738 POC Jeffrey R. Mitchell TELEPHONE NO. 301-415-5074			11. INVOICE OFFICE US NUCLEAR REGULATORY COMMISSION ONE WHITE FLINT NORTH 11555 ROCKVILLE PIKE MAILSTOP O3-E17A ROCKVILLE MD 20852-2738		
12. ISSUING OFFICE US NRC - HQ ACQUISITION MANAGEMENT DIVISION MAIL STOP TWFN-5E03 WASHINGTON DC 20555-0001			13. LEGISLATIVE AUTHORITY Energy Reorganization Act of 1974		
			14. PROJECT ID		
			15. PROJECT TITLE MANAGE DISSEMINATION OF NRC SCIENTIFIC SOFTWARE AND		
16. ACCOUNTING DATA 2016-X0200-FEEBASED-60-60D003-11-6-213-1045-253D					
17. ITEM NO.	18. SUPPLIES/SERVICES	19. QUANTITY	20. UNIT	21. UNIT PRICE	22. AMOUNT
	<p>The NRC and the DOE Lab (ORNL) hereby enter into this Agreement, NRC-HQ-60-16-D-0004 for the project entitled, "Manage Dissemination of NRC Scientific Software and Data Compilations"</p> <p>The performance period for this agreement shall commence on February 10, 2016 and will expire on February 8, 2021.</p> <p>Consideration and Obligations: (a) Authorized Cost Ceiling \$990,000.00.</p> <p>Continued ...</p>				
23. PAYMENT PROVISIONS		24. TOTAL AMOUNT \$150,000.00			
25a. SIGNATURE OF GOVERNMENT REPRESENTATIVE SERVICING <i>Deborah L. Garland</i>		26a. SIGNATURE OF GOVERNMENT REPRESENTATIVE (REQUESTING) <i>Jeffrey R. Mitchell</i>			
25c. NAME AND TITLE Deborah L. Garland, Contracting Officer		25b. DATE 02/18/16		26c. DATE 2/10/2016	

TEMPLATE - ADM001

SUNSI REVIEW COMPLETE

MAR 10 2016

ADM002

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	<p>(b) The amount presently obligated with respect to this DOE Agreement is \$150,000.00. When and if the amount(s) paid and payable to the DOE Laboratory hereunder shall equal the obligated amount, the DOE Laboratory shall not be obligated to continue performance of the work unless and until the NRC Contracting Officer shall increase the amount obligated with respect to this DOE Agreement. Any work undertaken by the DOE Laboratory in excess of the obligated amount specified above is done so at the DOE Laboratory's sole risk.</p> <p>The following documents are hereby made part of this Agreement:</p> <p>Attachment No. 1: Statement of Work</p> <p>Attachment No. 2: DOE Standard Terms and Conditions</p> <p>NRC CONTRACTING OFFICERS REPRESENTATIVE (COR): Carl Thurston (Primary) and Kirk Tien (Alternate)</p> <p>ORNL PROJECT MANAGER: Tim Valentine</p> <p>ORNL PROJECT INVESTIGATOR: Tim Valentine</p> <p>Master IAA: N/A</p>				
00001	<p>Authorized Cost Ceiling</p> <p>Line Item Ceiling\$990,000.00</p> <p>Incrementally Funded Amount: \$150,000.00</p> <p>This agreement is entered into pursuant to the authority of the Energy Reorganization Act of 1974, as amended (42 U.S.C 5801 et seq.). This work will be performed in accordance with the NRC/DOE Memorandum of Understanding dated November 24, 1998. To the best of our knowledge, the work requested will not place the DOE and its contractor in direct competition with the domestic private sector.</p> <p>[ ] Fee Recoverable Work</p> <p>[ x ] Non-fee Recoverable Work</p> <p>Notwithstanding the agreement effective dates and period of performance start dates stated elsewhere in the agreement, the effective date of the agreement and start date of the period of performance are the last date of signature by the parties.</p> <p>Continued ...</p>				990,000.00

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OF  
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The total amount of award: \$990,000.00. The  
obligation for this award is shown in box 24.



## OFFICE OF NUCLEAR REGULATORY RESEARCH STATEMENT OF WORK FOR DOE AGREEMENTS

<b>NRC Agreement Number</b>  NRC-HQ-60-16-D-0004	<b>NRC Agreement Modification Number</b>  	<b>NRC Task Order Number (If Applicable)</b>  	<b>NRC Task Order Modification Number (If Applicable)</b>  
<b>Project Title</b> Manage Dissemination of NRC Scientific Software and Data Compilations			
<b>Job Code Number</b>  	<b>B&amp;R Number</b>  	<b>Servicing Agency</b>  	
<b>NRC Requisitioning Office</b> RES		<b>Period of Performance</b>  	
<b>NRC Form 187, Contract Security and Classification Requirements</b> <input type="checkbox"/> Applicable <input checked="" type="checkbox"/> Not Applicable		<input type="checkbox"/> Involves Proprietary Information <input type="checkbox"/> Involves Sensitive Unclassified	
<input checked="" type="checkbox"/> Non Fee-Recoverable		<input type="checkbox"/> Fee-Recoverable (If checked, complete all applicable sections below)	
<b>Docket Number (If Fee-Recoverable/Applicable)</b>  		<b>Inspection Report Number (If Fee Recoverable/Applicable)</b>  	
<b>Technical Assignment Control Number (If Fee-Recoverable/Applicable)</b>  		<b>Technical Assignment Control Number Description (If Fee-Recoverable/Applicable)</b>  	



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## **CONTRACTING OFFICER'S REPRESENTATIVE**

### Contracting Officer's Representative

Name: Carl Thurston  
Agency: U.S. Nuclear Regulatory Commission  
Office: Research  
Mail Stop: T10-B58  
Washington, DC 20555-0001  
Phone: (301) 415-2448  
Email: [Carl.Thurston@nrc.gov](mailto:Carl.Thurston@nrc.gov)

### Alternate Contracting Officer's Representative

Name: Kirk Tien  
Agency: U.S. Nuclear Regulatory Commission  
Office: T10-A38A  
Mail Stop:  
Washington, DC 20555-0001  
E-Mail: [Kirk.Tien@nrc.gov](mailto:Kirk.Tien@nrc.gov)  
Phone: (301) 415-1606

## **NRC-FURNISHED PROPERTY/MATERIALS**

N/A

## **STATEMENT OF WORK (SOW)**

### **Contents**

- 1.0 Background
- 2.0 Objective
- 3.0 Scope of Work/Tasks
- 4.0 List of Deliverables
- 5.0 Estimated Labor Categories, Key Personnel and Levels of Effort
  - 5.1 Labor Categories, Requirements and Key Personnel
  - 5.2 Level-of-Effort (in hours)
- 6.0 Certification and License Requirements
- 7.0 Meetings and Travel
- 8.0 Reporting Requirements
  - 8.1 Monthly Letter Status Report (MLSR)
- 9.0 Required Materials, Facilities, Hardware/Software
- 10.0 Applicable Publications (Current Editions)
- 11.0 Data Rights

## **DESCRIPTION/SPECIFICATIONS/WORK STATEMENT**

### **1.0 BACKGROUND**

Management and dissemination of Nuclear Regulatory Commission (NRC) legacy scientific software and data compilations is made available to the stake holders, utilities, and universities via the Department of Energy's scientific information about radiation transport and safety is collected, managed, and made available by the Department's Radiation Safety Information Computational Center (RSICC) at Oak Ridge National Lab (ORNL). The allows these publicly available tools to be conveniently access by users for investigations of a host of regulatory issues through the use of these legacy computer codes, data and related databases. The information distributed under this program includes computer software, documents, and other media for some 2,000 codes of which about 200 are NRC-sponsored software, most of which are legacy codes. These are codes that are no longer being actively developed or maintained by the NRC.

### **2.0 OBJECTIVE**

Maintain and manage the dissemination of scientific software and data compilations developed under the sponsorship at the NRC. This includes packaging, distributing, storing and archiving software, publishing abstracts, maintaining software distribution records, assisting users with the implementation of the software, and generally serving as the software information center for NRC offices, NRC contractors, and the public.

### **3.0 SCOPE OF WORK/TASKS**

ORNL shall provide all resources necessary to accomplish the tasks and deliverables described in this Statement of Work (SOW).

The ORNL shall provide staff with expertise in nuclear programs and equipment to Maintain and Distribute the NRC's Technical Software and Data that are not being managed under Office of Research international research programs, i.e., CAMP, RAMP, and CSARP. The development and distribution of CAMP, RAMP, and CSARP software are performed by NRC staff or contractors within each specific program.

**TASK** – Maintain and Distribute NRC's technical software and data for use by NRC offices, NRC contractors, and the public and provide cloud services for select current RES development codes.

The following subtasks shall be performed as part of this task:

#### SUBTASK 1. Screen and Test NRC-Released Software

Screen user submitted software for completeness and readability of electronic media. The submittals could come from NRC staff or from the public in general. The software shall be compiled and executed on sample problems to verify that the packages received can be used on other hardware architectures. Process the material into the library collection on an existing web site. Approximately 2 to 5 software versions will need to be screened and tested on a monthly bases. Document progress status of screened packages in MLSR.

#### SUBTASK 2. Resolve Discrepancies in Submitted Software and Provide User Interface

ORNL staff shall work with code developers that have submitted software or version changes to resolve any discrepancies in the submittals. ORNL shall maintain communication with contributors to assure that all parts of the source code and data libraries are received, all sample problems executed to contributor's specifications, and all discrepancies revealed in the packaging process are resolved. ORNL RSICC staff shall also interface with users to answer user questions on NRC-sponsored software. Requests that NRC staff receive from public shall be referred and sent to RSICC for resolution by ORNL staff. Document status of software support and resolutions in MLSR.

#### SUBTASK 3. Compile and Publish Software Abstracts for NRC-released Software

Compile and publish software abstracts that completely characterize the software packages available in the collection. Abstracts shall be published in the RSICC monthly newsletter, on the existing RSICC web site, or a quarterly RSICC Code Capsule. Approximately 5 to 10 software abstracts will need to be updated and published on a monthly bases. ORNL staff shall interface with the NRC COR if there are any significant changes to NRC code abstracts. Document status of new abstract publications in the MLSR.

#### SUBTASK 4. Prepare Information on Available NRC Software

Prepare status updates on requests received via e-mail, mail, and telephone for NRC-released software and associated information. Up to approximately 120 NRC packages can be requested per month with the greatest demand occurring at the start of the semesters at the US universities. Document the request status monthly in the MLSR.

#### SUBTASK 5. Track New Software Development and Advise Users of Software Modifications

ORNL staff shall track software under NRC-sponsored development, as requested by the NRC COR, maintain an active interface with the developers, and assist and encourage submittals. This should help ensure that version updates and any new software are consistent with RSICC software and programming standards. RSICC shall document status of software being tracked for updates in the MLSR.

RSICC shall advise the user base of any corrections, revisions, and/or upcoming replacements of NRC software through information released in newsletters and web updates. RSICC shall interface with the user base and respond to specific questions and concerns about updates and code changes. RSICC staff shall inform the NRC COR if any significant problems or concerns arise.

#### SUBTASK 6. Assist Users in Installing NRC Software as required

Assist recipients in installing and using NRC library software consistent with Subtask 2. If there are significant issues with installation, RSICC shall provide software modifications or improvements to instructions to alleviate and minimize these type issues. Document log of these efforts and status in the MLSR.

#### SUBTASK 7. Archive NRC Software

Archive NRC software packages upon their replacement or deletion from the library or upon NRC COR request, and provide offsite storage of media for backup purposes. Document status in MLSR.

#### SUBTASK 8. Coordinate Exchange with Foreign Countries

Coordinate dissemination of software to foreign countries with DOE and NRC staffs. Coordinate software exchange with the Organization for Economic Cooperation and Development (OECD) Nuclear Energy Agency's (NEA) data bank. In general codes distributed to foreign entities shall fall under the Department of Commerce (DOC), NRC, or NNSA regulation. Nuclear related software in general is under DOC export requirements OD999. Some other codes, like RELAP, are under the NNSA (NA-24) regulation. ORNL shall perform visual compliance checks by screening each individual against lists of denied entities, parties, countries, etc. that are maintained by various Federal agencies. If the individual passes the screening check, ORNL shall process the request and send to ORNL's export control department for concurrence.

If the individual or code is from a country that requires NA-24 approvals, RSICC staff shall send the request to NA-24 for a determination and then to the necessary export control departments if approved. RSICC shall ensure all applicable requirements are adhered to in processing. Document status of important foreign exchanges in the MLSR.

#### SUBTASK 9. Distribute Software and Data Packages

Distribute NRC codes as requested. Package, maintain, and distribute NRC-sponsored and NUREG-documented computer software and data compilations developed by the NRC's staff and contractors. Somewhere between 50 and 125 NRC packages will need to be processed each month. Ensure that any distribution restrictions from the NRC on the release of software packages are honored. Requests from individuals and DOE-designated sensitive countries shall be handled according to DOE Order 1240.A, DOE O 241.1B, and, where applicable, Department of Commerce regulations. Document status of package releases and lists of archive additions in the MLSR.

Ensure that designated legacy software and data will be available to NRC and its contractors at no charge. Note that these codes do not include NRC software that is actively being managed within the CAMP, RAMP, or CSARP international programs.

#### SUBTASK 10. Publication of NRC Software Abstracts

Update, as requested by the NRC COR, the NUREG/BR-0083 report with the subject, "Abstracts of NRC Computer Codes". The report will contain a compilation of expanded abstracts, developed under SUBTASK 3, for NRC software and data that were submitted to RISCC during the period of the report that relate to computer software for scientific, engineering, or technology-related programs performed or sponsored by the NRC. It will also contain report numbers, code names, contractor report names, publication dates, authors, preparers, editors, contractor information, NRC sponsored Office, and keywords.

#### SUBTASK 11. Provide private "Cloud computing" services

Cloud computing services shall be provided for designated active NRC CAMP, RAMP, or CSARP software and data. Exclusive use and secure access should be provided for up to 20 NRC users as directed by the NRC COR. The designated software shall be sent to RISCC for installation on the cloud servers by ORNL personnel. ORNL shall also update, as needed, the security and privacy policies for compatibility with NRC requirements.

### 4.0 LIST OF DELIVERABLES

ORNL shall deliver updates, as needed, to the NUREG/BR-0083 report entitled, "Abstracts of NRC Computer Codes" every other year based on the compilation of expanded abstracts, developed under SUBTASK 3. In addition, monthly letter status reports (MLSRs) shall be provided to identify project status per section 8.1.

Subtask Number	Deliverable and Acceptance Criteria	Deliverable Format	Due Date
3, 10	<i>Publish an update of NUREG/BR-0083</i>	<i>[Microsoft Word]</i>	<i>Every other year, date TBD by COR</i>
All	<i>[Per SOW Section 8.1, Monthly Letter Status Reports (MLSRs)</i>  <i>Acceptance Criteria: Report contains all required information]</i>	<i>[Microsoft Word or Adobe PDF]</i>	<i>[NLT than 20th of the following month]</i>

## **5.0 ESTIMATED LABOR CATEGORIES, KEY PERSONNEL AND LEVELS OF EFFORT**

Intentionally left blank.

## **6.0 CERTIFICATION AND LICENSE REQUIREMENTS**

N/A

## **7.0 MEETINGS AND TRAVEL**

To meet the objectives of this project, periodic programmatic progress and planning meetings may be necessary. However, it is anticipated that these meetings can be conducted via telecom and so no travel needs to be budgeted for this contract.

## **8.0 REPORTING REQUIREMENTS**

ORNL is responsible for structuring the deliverables to current agency standards. Deliverables shall be submitted free of spelling and grammatical errors and shall conform to requirements stated in this section.

### **8.1 Monthly Letter Status Report (MLSR)**

The servicing agency shall provide a Monthly Letter Status Report which consists of a technical progress report and financial status report. This report will be used by the sponsoring agency to assess the adequacy of the resources utilized by the servicing agency to accomplish the work contained in this SOW and to provide status of the servicing agency progress in achieving tasks and producing deliverables. The report shall include agreement/order summary information, work completed during the specified period, milestone schedule information, problem identification and resolution, travel plans, and staff hour summary.

## **9.0 REQUIRED MATERIALS, FACILITIES, HARDWARE/SOFTWARE**

N/A

## **10.0 APPLICABLE PUBLICATIONS (CURRENT EDITIONS)**

N/A

## **11.0 DATA RIGHTS**

The NRC shall have unlimited rights to and ownership of all deliverables provided under this agreement/order, including reports, recommendations, briefings, work plans and all other deliverables. All documents and materials produced under this agreement/order are the



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property of the NRC with all rights and privileges of ownership/copyright belonging exclusively to the NRC. These documents and materials may not be used or sold by the servicing agency without prior written authorization from the CO. All materials supplied to the NRC shall be the sole property of the NRC and may not be used for any other purpose. This right does not abrogate any other Government rights.

STANDARD TERMS AND CONDITIONS TO BE ATTACHED TO ALL NRC INTERAGENCY  
AGREEMENTS AWARDED TO DEPARTMENT OF ENERGY (DOE) NATIONAL  
LABORATORIES

All work performed for NRC at a DOE laboratory is conducted under the terms and conditions of the DOE contract in place to manage and operate that laboratory. The below set of terms and conditions provide additional guidance in specific areas that are particular to work performed for NRC and supplement the DOE contract provisions.

**1. Technical Direction**

The NRC Contracting Officer's Representative (COR), as named in the NRC Statement of Work (SOW), is responsible for ensuring that the services required under this project are delivered in accordance with the terms of the SOW. All technical direction instructions to the DOE Laboratory must be issued through the COR.

Technical direction includes interpreting technical specifications, providing needed details, and suggesting possible lines of inquiry. Technical direction must not constitute new work or affect overall project cost or period of performance. Technical direction must be confirmed in writing to the DOE Laboratory, a copy provided to the DOE Site Office or the DOE Field Office, and a copy placed in the NRC Program Office project file.

**2. Key Personnel**

The individual(s) identified as key personnel in the Technical Proposal, is (are) considered essential to the successful performance of the work. The DOE Laboratory agrees that these personnel shall not be removed from the project or replaced without complying with the following:

- If one or more of the key personnel, for whatever reason, becomes or is expected to become unavailable for work under this contract for a continuous period exceeding 30 workdays, or is expected to devote substantially less effort to the work than indicated in the proposal or initially anticipated, the DOE Laboratory shall immediately notify the Contracting Officer (CO) in NRC's Acquisition Management Division of its intent to make key personnel replacements.
- All requests for approval of substitutions on a project shall be in writing and shall provide detailed explanation of the circumstances necessitating the proposed substitutions. The request shall contain a complete résumé for the proposed substitute and other information requested by the NRC office to approve or disapprove the proposed substitution. The NRC will evaluate such requests and promptly notify the DOE Laboratory of its approval or disapproval thereof in writing.
- The project may be terminated if the office determines that:

Suitable and timely replacements of key personnel who have been reassigned, terminated, or have otherwise become unavailable for the project is not reasonably forthcoming.

The resultant reduction of effort or expertise would be so substantial as to impair the successful completion of the project or work order.

### **3. Billing Requirements**

DOE shall bill NRC monthly for costs paid in support of NRC projects by the agreement number and task order number (if applicable). The DOE shall bill and collect from NRC by an electronic transfer of funds through the U.S. Treasury Intergovernmental Payment and Collection System (IPAC).

The DOE voucher shall identify the NRC Agreement Number and the NRC Task Order number (if applicable). The DOE voucher, as a minimum, shall indicate the month that costs were incurred and the dollar amount of these costs. In some instances because of accrual accounting and other adjustments, the amounts may differ slightly from the original accrual amount.

When monthly letter status report (MLSR) costs differ from the amount billed, DOE shall provide an explanation of the difference on the voucher.

The DOE voucher shall be sent to support the IPAC funds transfer. The instructions must identify the billable activities as specified by 10 CFR Part 170. The DOE voucher and other required documentation shall be submitted to—

NRC Payments  
U.S. Nuclear Regulatory Commission  
One White Flint North  
11555 Rockville Pike  
Mailstop O3-E17A  
Rockville, MD 20852-2738

#### **Electronic Commercial Vendor and IPAC Payments:**

Effective immediately, commercial vendors and Federal entities should use the new electronic mailing addresses shown below:

Invoice and training billing Email address – [NRCPayments@NRC.gov](mailto:NRCPayments@NRC.gov)  
IPAC billing Email address – [NRCIPAC.Resource@NRC.gov](mailto:NRCIPAC.Resource@NRC.gov)

### **4. Monthly Letter Status Reports (MLSR)**

In accordance with MD 11.7, the DOE laboratory shall submit a Monthly Letter Status Report (MLSR) by the 20th day of each month to:

- NRC Contracting Officer's Representative

With copies to the following:

- Office of Administration/Acquisition Management Division (electronic copy only) to [ContractsPOT.Resource@nrc.gov](mailto:ContractsPOT.Resource@nrc.gov)

The MLSR should contain at a minimum all of the information required in the instructions for completing Monthly Letter Status Reports as defined in Attachment 1 of the NRC SOW.

### **5. Limitation of Funds**

NRC is not obligated to reimburse DOE for costs incurred by its contractors in excess of the total amount obligated by an appropriately executed interagency agreement form. The NRC CO in NRC's Acquisition Management Division will formally notify the appropriate DOE Site Office or the DOE Field Office of any projects that are intended to be phased out or terminated as soon as such intent is known, preferably at least 30 days before the proposed termination date. For work orders with fixed performance periods, the DOE Site Office or the DOE Field Office should assume that the program will terminate on the last day of the period specified in the award form unless notified otherwise.

If at any time the Laboratory has reason to believe that the costs will exceed the total amount authorized, the Laboratory must notify NRC and the DOE Site Office or the DOE Field Office. In the absence of formal NRC instructions to continue or to terminate a work order, the DOE Site Office or the DOE Field Office contract officer or his or her designee will notify NRC by e-mail or other suitable written means when the accrued costs of any NRC work order approaches 75 percent of the authorized funding level for a project or task order (TO).

The notification should include the estimated date when the accrued costs will equal the authorized funds, and may, if appropriate, recommend or request the NRC action desired. The notification should be sent to the appropriate NRC CO and COR with a copy to DOE. After this notification, the NRC will evaluate costs incurred against technical progress and, if necessary, will:

- Increase funding authorization
- Change the scope of the work
- Change the period of performance
- Terminate the project

The performance of work shall be completed within the period stated in the most current authorization document. When the DOE Laboratory anticipates that the work cannot be completed within the fixed time period, it shall notify the NRC CO and COR in writing and send a copy of the notice to the DOE Site Office or the DOE Field Office. Notification shall be made in sufficient time to allow for the issuance of a modification to the agreement, authorizing an extension of the work period to the date necessary to complete the authorized work. If the period of performance is not extended, the office shall notify DOE and the DOE Laboratory via issuance of a modification which should contain closeout instructions, including the reconciliation of any excess funds.

#### **6. Organizational Conflict of Interest**

Upon submitting a proposal to the NRC, each DOE Laboratory would continue to acknowledge the disclosure requirements of: 1) MD 11.7, "Organizational Conflict of Interest"; and 2) the provisions of the Memorandum of Understanding (MOU) between DOE and NRC, dated 1998 (which states, in part, that DOE recognizes that Section 170A of the Atomic Energy Act of 1954, as amended, requires that NRC be provided with disclosures on potential conflicts when NRC obtains technical, consulting, research and other supporting services). DOE further recognizes that the assignment of NRC work to DOE laboratories must satisfy NRC's organizational conflict of interest (OCOI) standards.

Therefore, each DOE Laboratory, in its proposal to NRC (which will be incorporated into an interagency agreement between NRC and DOE), is required to make an assertion per #1 or #2

of Part A below for themselves and all subcontractors proposed prior to their award. If the Laboratory selects #1, then, it must also fill out the accompanying Part B – whereby the Laboratory must, again, make an assertion by answering each of the five (5) NRC OCOI provisions per the NRC Acquisition Regulation (NRCAR).

PART A:

"In accordance with [INSERT NAME OF DOE LABORATORY OR SUBCONTRACTOR] role in, and responsibility for, disclosing its relationships with organizations which conduct business in the same and/or similar technical area as described by the present and/or ongoing NRC project's scope of work, and in accordance with the NRC clause as stated herein, [INSERT NAME OF DOE LABORATORY OR SUBCONTRACTOR] hereby asserts that it has examined its relationships with all such organizations, and has also examined its current and future/planned work, and where appropriate, its past work (generally for the previous five years), for DOE and other organizations, and [INSERT NAME OF DOE LABORATORY OR SUBCONTRACTOR] states the following:

1) [INSERT NAME OF DOE LABORATORY OR SUBCONTRACTOR] hereby discloses the following relationships \_\_\_\_\_ [state the name of persons, organizations, and business relationships, etc. \*\*] \_\_\_\_\_ that may give rise to a potential OCOI. (DOE Laboratory or subcontractor must answer the questions in Part B below);

Or

2) [INSERT NAME OF DOE LABORATORY OR SUBCONTRACTOR] to the best of its knowledge and belief, asserts that it has no current work, planned work, and where appropriate, past work for DOE and others (to mean - organizations in the same and/or similar technical area as the present and/or ongoing NRC project scope of work); and [INSERT NAME OF DOE LABORATORY OR SUBCONTRACTOR] hereby asserts that it is not aware of any same/similar technical work that would give rise to any potential OCOI as defined in the Atomic Energy Act of 1954, as amended, and in the NRC/DOE MOU.

Signed: \_\_\_\_\_

PART B:

In accordance with [INSERT NAME OF DOE LABORATORY OR SUBCONTRACTOR] role/responsibility regarding OCOI disclosure, as stated in Part A, above [INSERT NAME OF DOE LABORATORY OR SUBCONTRACTOR] further discloses, to the best of its knowledge and belief, that:

1) [INSERT NAME OF DOE LABORATORY OR SUBCONTRACTOR] and/or any of its organizational affiliates\* as defined in Part A above [does/does not] provide advice and recommendations to the NRC in the same technical area (e.g., fire protection, PRA, seismic, vulnerability analysis, fracture mechanics) where it is also providing consulting assistance to any organization regulated by NRC. If [INSERT NAME OF DOE LABORATORY OR SUBCONTRACTOR] "does" - the [INSERT NAME OF DOE LABORATORY OR SUBCONTRACTOR] hereby discloses such organization(s) in Part A above;

2) [INSERT NAME OF DOE LABORATORY OR SUBCONTRACTOR] and/or any of its organizational affiliates as defined in Part A above [does/does not] provide advice and

recommendations to the NRC on the same or similar matter (e.g., particular licensing amendment, particular EIS, particular high level waste repository site) on which it is also providing assistance to any organization regulated by NRC. If [INSERT NAME OF DOE LABORATORY OR SUBCONTRACTOR] "does" - the [INSERT NAME OF DOE LABORATORY OR SUBCONTRACTOR] hereby discloses such organization(s) in Part A above;

3) [INSERT NAME OF DOE LABORATORY OR SUBCONTRACTOR] and/or any of its organizational affiliates as defined in Part A above [will/will not] be required to evaluate its own products or services, or has been substantially involved in the development or marketing of the products or services of another entity. If [INSERT NAME OF DOE LABORATORY OR SUBCONTRACTOR] "does" - the [INSERT NAME OF DOE LABORATORY OR SUBCONTRACTOR] hereby discloses such organization(s) in Part A above;

4) [INSERT NAME OF DOE LABORATORY OR SUBCONTRACTOR] and/or any of its organizational affiliates as defined in Part A above [does/does not] have a conflicting role, given the award of the present and/or ongoing NRC project, in which its judgment or the judgment of any of its organizations may be biased in relation to its work for NRC. If [INSERT NAME OF DOE LABORATORY OR SUBCONTRACTOR] "does" - the [INSERT NAME OF DOE LABORATORY OR SUBCONTRACTOR] hereby discloses such conflicting role(s) with organization(s) in Part A above;

5) [INSERT NAME OF DOE LABORATORY OR SUBCONTRACTOR] and/or any of its organizational affiliates as defined in Part A above [are/are not] soliciting or performing concurrent work at an applicant or licensee site, while performing work in the same/similar technical area for NRC at the same site. If [INSERT NAME OF DOE LABORATORY OR SUBCONTRACTOR] "does" - then the [INSERT NAME OF DOE LABORATORY OR SUBCONTRACTOR] hereby discloses such organization(s) in Part A above."

Signed: \_\_\_\_\_

\*Organization affiliate - Business concerns which are affiliates (related) to each other when either directly or indirectly, one concern or individual controls or has the power to control another, or when a third party (i.e. parent firm) has the power to control both.

\*\* The Atomic Energy Act of 1952 uses the term "person" to mean any entity - e.g., sole proprietorship, partnership, joint venture, corporation; university; limited partnership, subchapter S corporation; limited liability company, etc.

## **7. Incompatibility Between Regular Duties and Private Interests**

(a) Employees of a management and operating contractor shall not be permitted to make or influence any decision on behalf of the contractor which directly or indirectly affects the interest of the Government, if the employee's personal concern in the matter may be incompatible with the interest of the Government. For example: An employee of a contractor will not negotiate, or influence the award of, a subcontract with a company in which the individual has employment relationship or significant financial interest; and an employee of a contractor will not be assigned the preparation of an evaluation for DOE or for any DOE contractor of some technical aspect of the work of another organization with which the individual has an employment relationship, or significant financial interest, or which is a competitor of an organization (other than the contractor who is the individual's regular employer) in which the individual has an employment relationship or significant financial interest.

(b) The contractor shall be responsible for informing employees that they are expected to disclose any incompatibilities between duties performed for the contractor and their private interests and to refer undecided questions to the contractor.

### **8. Intellectual Property Rights**

The statutory, regulatory, and procedural intellectual property policies of DOE will be applicable to the work falling under this work order—

- Provided that information concerning disclosures of inventions identified as having been conceived or first actually reduced to practice under Commission-funded work will be reported to the Commission, and the Commission will be kept advised as to their status.
- Except that the Commission reserves the right to control title to inventions as to any rights that vest in the Commission under statute. If DOE and DOE's contractor, where the contractor has such rights, should determine not to protect these inventions either domestically or abroad, the Commission will have the right to protect these inventions.
- Provided that if the technology covered by an invention disclosure upon which DOE intends to file a patent application on behalf of the U.S. Government is deemed by the Commission to fall within the Commission's mission, that is, when the technology relates to nuclear facilities and materials safety, safeguards, and environmental protection in support of the Commission's licensing and regulatory functions, the Commission may so notify DOE and a determination will be made by the parties as to which party will file the patent application or applications.
- Provided that neither party shall grant an exclusive patent license on an agency owned invention without the approval of the other party.

### **9. Acquired Material, Equipment, or Software (Property)**

In accordance with Management Directive 11.7, the Laboratory proposal must include a description of the property required for project performance that has an estimated acquisition cost of \$500 or more. The proposal must also identify the potential development of NRC-funded software during the project. NRC-funded software is software specifically developed for NRC by the Laboratory and is generally the deliverable for the project.

After the NRC reviews the list of property and NRC-funded software included in the Laboratory proposal, any questions regarding the acquisition of property or the development of NRC-funded software will be addressed with the Laboratory during negotiations. After negotiating project terms and conditions, NRC shall issue an agreement authorizing the work and approving acquisition of property or development of NRC-funded software.

Laboratories shall submit a written request to the NRC project manager for approval to develop additional NRC-funded software or purchase additional property with an estimated acquisition cost of \$500 or more after work initiation. The project manager shall approve or disapprove the acquisition or development of any additional items in writing.

DOE Laboratories shall report property, including software, with an acquisition cost of \$500 or more in the monthly letter status report in the month the property or software was acquired.

DOE laboratories shall forward an electronic copy of all monthly letter status reports to the NRC Office of Administration, Acquisition Management Division: [ContractsPOT.Resource@nrc.gov](mailto:ContractsPOT.Resource@nrc.gov), in addition to the NRC COR. DOE Laboratories shall provide the information listed in the Monthly Letter Status Report instructions for each item reported as appropriate, in the monthly letter status report.

#### **10. Dissemination of Project Information/Publication Requirements**

(a) Prior to any dissemination, display, publication, presentation, or release of papers, articles, reports, summaries, or abstracts developed under the NRC/DOE Agreement, the DOE Laboratory shall submit them to the NRC for review and comment. NRC shall have a review and comment period of at least [60] days, after which both an NRC and DOE Laboratory representative at the lowest management level, shall attempt to resolve any differing viewpoints or statements which are the subject of NRC objection. If the matter cannot be resolved at that level, the issue shall be brought up to the next management level in both organizations until an agreement can be reached or it reaches the Office Director level. Matters which cannot be resolved at this level shall be submitted for resolution to the Laboratory's Technology Partnership Ombudsman (as set forth in the Laboratory's Management and Operating contract with DOE or NNSA pursuant to § (p) of Department of Energy Acquisition Regulation (DEAR) 970.5227-3 "Technology Transfer Mission" (Aug 2002)). In the event resolution cannot be achieved by the Ombudsman, the NRC may direct the Laboratory/DOE to not publish the work as a NUREG/CR, but publish as a Laboratory report without the NRC office name or Project Manager's name listed on the report, and with a Disclaimer conspicuously noted on the report, article, summary, abstract or related document that the Laboratory/DOE intends to release, display, disseminate or publish to other persons, the public or any other entities:

"The views expressed in this [paper, journal article, report, summary, or abstract] do not represent those of the U.S. Nuclear Regulatory Commission."

(b) The NRC and DOE agree to handle all classified information provided or developed during the course of this project in accordance with all applicable laws and regulations governing the handling of such information. In the event NRC determines during its review and comment period that a draft Laboratory paper, article, report, summary, or abstract contains classified information regarding the work performed for NRC, NRC, in addition to commenting on the subject matter, shall also direct the Laboratory/DOE to direct an authorized classification authority to appropriately review, classify and mark the product, pursuant to nationally acceptable standards/guidelines. Under these circumstances, the Laboratory will either publish the work solely as a classified product pursuant to NRC direction, or not publish the work in any format. In cases where classification of the product is in dispute, NRC may consult with DOE's Office of Classification; however NRC retains the ultimate authority over the classification of the product.

(c) In addition, travel costs to present papers or reports developed under the NRC/DOE Agreement may not be authorized if the NRC program manager determines that presentation of the paper does not support the NRC program or project. Such determination will not affect payment of the contract work costs.

(d) The DOE Laboratory contractor, to the extent it is permitted to and asserts copyright therein, grants a royalty-free, nonexclusive, irrevocable worldwide license to the Government to use, reproduce, modify, distribute, prepare derivative works, release, display or disclose the articles,

reports, summaries, abstracts, and related documents developed under the Agreement, for any governmental purposes and to have or authorize others to do so.

### **11. Review and Approval of Reports**

The Laboratory/DOE shall comply with the terms and conditions of the agreement regarding the contents of the draft and final reports, summaries, data and related documents, to include correcting, deleting, editing, revising, modifying, formatting and supplementing and of the information contained therein. Corrective actions shall not be undertaken unless sufficient funding from NRC is available to cover the costs of the corrective actions. Performance under the agreement shall not be deemed accepted or completed until it complies with NRC's directions.

Identification/Marking of Sensitive Unclassified and Safeguards Information. DOE shall comply with the requirements stated MD's 12.7 "NRC Safeguards Information Security Program" as follows:

#### **a) Classification Clause**

To the extent that the performance of work under this work order involves classified information, the following clause is applicable:

- In the performance of work under this work order, DOE shall ensure that a DOE authorized classifier shall assign classification levels to all documents, material, and equipment originated or generated by the performing organization in accordance with classification guidance furnished by the Commission. Each subcontract and purchase order issued hereunder involving the generation of classified documents, material, or equipment shall include a provision to the effect that in the performance of such subcontract or purchase order, a DOE authorized classifier shall assign classification levels to all such documents, material, and equipment in accordance with classification guidance furnished by the NRC.
- When appropriate, the attached NRC Form 187, "Contract Security and/or Classification Requirements," is a part of this work order. It is the responsibility of the NRC office originating the work order to review the classification assigned and to refer any problems to the NRC Division of Security Operations (DSO), NSIR, for resolution.

#### **b) Safeguards Information, Unclassified Controlled Nuclear Information, or Unescorted Access to Protected and Vital Areas of Nuclear Power Plants**

To the extent that the performance of work under this work order involves Safeguards Information (SGI), the following clause is applicable:

In the performance of the work under this project, DOE shall assure that the DOE laboratory shall mark and protect all documents, material, and equipment originated, generated, or received by the performing organization in accordance with the provisions of Section 147 of the Atomic Energy Act of 1954, as amended, its implementing regulations (10 CFR 73.21), "Protection of Safeguards Information: Performance Requirements." Further guidance on the protection of Safeguards Information and examples of proper marking of cover; title page, and back cover are contained in NRC Management Directive (MD) 12.7, "NRC

Safeguards Information Security Program" and the NRC Guide to Marking Safeguards Information.

To the extent that performance of work under this work order involves unclassified controlled nuclear information (UNCI), the following clause is applicable:

In the performance of the work under this project, DOE shall assure that the DOE laboratory shall mark and protect all documents, material, and equipment originated, generated, or received by the performing organization in accordance with the provisions of Section 148 of the Atomic Energy Act of 1954, as amended, is implementing DOE regulations, and DOE orders and guidance.

It is the responsibility of the NRC office originating the work to indicate whether the work will involve SGI or unescorted access to protected and vital areas of nuclear power plants. An NRC Form 187, "Contract Security and/or Classification Requirements," shall be completed to indicate such access.

c) Proprietary Information

In connection with the performance of work under this work order, NRC may furnish for DOE review, evaluation, or other use certain trade secrets or confidential or privileged commercial or financial information determined by the office to be exempt from public inspection or disclosure. A synopsis of such information must be submitted in writing to the DOE contracting officer for reaching agreement with the office on the acceptance and use of the information. Up-to-date guidance on the protection of proprietary information used in reports prepared by the DOE laboratory on proper marking of cover, title page, and back cover may be obtained from the NRC COR.

Proprietary or other privileged information may be provided by the office on an individual basis to DOE laboratory employees working as NRC consultants with the understanding that it shall be protected from disclosure and shall be returned to the office upon completion of the work. Any such claimed proprietary data will be appropriately identified and marked as such. The use of proprietary information in reports prepared by consultants requires protection. Further information may be obtained from the NRC COR.

d) Other Sensitive Unclassified Non-Safeguards Information (SUNSI)

Information other than safeguards, unclassified controlled nuclear, proprietary information, and pre-decisional information may at times be determined to be sensitive. The use of such information in reports requires the specific NRC designation and protection as prescribed by the NRC SUNSI policy. Further information may be obtained from the NRC COR.

## **12. Sensitive Information Work Efforts**

To the extent that the performance under this work order involves classified information, the following clauses are applicable:

- Responsibilities. DOE and the DOE contractor (performing organization) shall be responsible for safeguarding Restricted Data, Formerly Restricted Data, and other National Security Information and for protecting it against sabotage, espionage, loss, and theft in accordance with applicable NRC and DOE security regulations and requirements.

- **Transmission of Classified Matter.** Except as otherwise expressly provided, DOE or the DOE contractor shall, upon completion or termination of the work order, transmit to the NRC program office all classified matter in its possession or in the possession of any person under its control in connection with performance of this project or work order. If retention of any classified matter is required by DOE or the DOE contractor, DOE must obtain the approval of the NRC program office and complete a certificate of possession specifying the classified matter to be retained.
- **Regulations.** DOE and the DOE contractors shall be responsible for compliance with all applicable NRC and DOE security regulations and requirements.
- **Definition of Restricted Data.** The term "Restricted Data," as used in this clause, means all data concerning (1) the design, manufacture, or utilization of atomic weapons; (2) the production of special nuclear material; or (3) the use of special nuclear material in the production of energy, but does not include data declassified or removed from the Restricted Data category pursuant to Section 142 of the Atomic Energy Act of 1954, as amended.
- **Definition of Formerly Restricted Data.** The term "Formerly Restricted Data," as used in this clause, means classified information related primarily to the military utilization of atomic weapons that can be adequately safeguarded as National Security Information, subject to the restrictions on transmission to other countries and regional defense organizations that apply to Restricted Data.
- **Definition of National Security Information.** National Security Information is information that has been determined pursuant to Executive Order 13526 or any predecessor order to require protection against unauthorized disclosure and is so designated.
- **Security Clearance of Personnel.** DOE and DOE laboratories shall not permit any individual to have access to Restricted Data, Formerly Restricted Data, or National Security Information, except in accordance with the Atomic Energy Act of 1954, as amended, Executive Orders 12968 and 10865, and DOE regulations or requirements applicable to the particular type or category of classified information to which access is required.
- **Safeguards Information Access.** DOE and DOE laboratories shall not permit any individual to have access to Safeguards Information, except in accordance with 10 Code of Federal Regulations Part 73.22 and NRC Management Directive 12.7.
- **Liability.** It is understood that the unauthorized disclosure or the failure to properly safeguard Restricted Data, Formerly Restricted Data, or National Security Information that may come to the DOE or to any person under an NRC/DOE work order in connection with work under the work order may subject the performing organization, and its agents, employees, or subcontractors, to administrative sanctions and criminal liability under the laws of the United States. (See the Atomic Energy Act of 1954, as amended [42 U.S.C. 2011et seq.], 18 U.S.C. 793 and 794; and Executive Orders 13526 and 12968.)
- **Subcontracts and Purchase Orders.** Except as otherwise authorized in writing by the Commission, DOE shall insert provisions similar to the foregoing in all subcontracts and purchase orders under this project or work order.

### **13. Software Development**

Systems development efforts shall comply with applicable Government-wide Federal Information Processing Standards developed by the National Institute of Standards and Technology, applicable public laws, Office of Management and Budget circulars, and NRC policies and procedures. Particular attention is necessary to incorporate security features in the design of systems that process sensitive data. The format of software deliverables is specified in NRC Bulletin 0904-4. If any deliverable is provided on diskette, the diskette shall be scanned for viruses by the contractor and verified to be free of viruses before delivery to NRC. All software development, modification, or maintenance tasks shall follow general guidance provided in NUREG/BR-0167, "Software Quality Assurance Program and Guidelines." NRC shall advise the DOE Patent Counsel with respect to any rights in the software that NRC desires under any particular project, which rights include NRC imposing restrictions on use, and distribution of the software by DOE or the Laboratory.

#### **14. Copyright in Computer Software and Codes**

In the event that a DOE Laboratory desires to assert a copyright of any computer software or computer code funded in whole or in part by NRC, the Laboratory shall request, in writing, the written approval of the cognizant NRC division director or designee before advising DOE's patent counsel of the Laboratory's desire to seek the copyright.

If NRC determines that public health and safety or other programmatic considerations dictate that the DOE Laboratory contractor should not be given permission to copyright the computer software or code, the NRC CO, after consultation with the NRC Office of the General Counsel (OGC) and the division director or designee, shall so advise the Laboratory in writing.

Alternatively, if permission to copyright computer software or a computer code is granted, the cognizant NRC CO, after consultation with OGC and division director or designee, shall provide the Laboratory with written notice of that decision. In those cases in which the cognizant NRC CO determines that the rights retained by the Government pursuant to the copyright provisions of the Laboratory contract should be modified to protect NRC's interests, NRC will advise DOE's patent counsel of NRC's desire to modify DOE's standard policy with respect to permission for a contractor to assert copyright in that code. DOE and NRC will then jointly determine the appropriate provisions for the code. The DOE patent counsel shall provide the Laboratory with written notice, with a copy to the cognizant NRC division director or designee, of that joint determination. The Laboratory may then proceed to assert copyright.

In no case shall the DOE Laboratory take action relating to assertion of copyright until the NRC CO provides written approval to the Laboratory's request to assert copyright. Further, DOE shall not permit a contractor to assert copyright of an NRC-funded computer code or computer software without the written approval of the cognizant NRC division director or designee. Where NRC has not granted permission to copyright, NRC recognizes that once a Laboratory has delivered to NRC a developed version of a particular code, the Laboratory may exercise the existing right that both the Laboratory and other parties have to further develop, without NRC funds, software codes that are in the public domain and to copyright the new, non-NRC-funded versions of these codes without NRC approval.

#### **15. Appropriate Use of Government Furnished Information Technology (IT) Equipment and/or its Services/Access**

When the NRC work at a DOE site requires electronic processing of information, DOE will follow NIST Special Publication (SP) 800-37 Rev. 1 or later, and SP 800-53 Rev. 3 or later (which are based on FIPS-199 and FIPS-200). For those specific projects with electronic processing of Safeguards Information (SGI), Restricted Data (RD) and/or Unclassified Nuclear Information (UCNI), the NRC shall provide DOE with the appropriate requirements that must be met on a project by project basis. In addition, for those specific projects that require classified electronic information processing, DOE will follow the CNSS policy, directives, instructions, and guidance.

#### **16. NRC Information Technology Security Training**

Agencies/Contractors shall ensure that their employees, consultants, and subcontractors with access to the NRC's information technology (IT) equipment and/or IT services complete NRC's online initial and refresher IT security training requirements to ensure that their knowledge of IT threats, vulnerabilities, and associated countermeasures remains current. Both the initial and refresher IT security training courses generally last an hour or less and can be taken during the employee's regularly scheduled work day. Agency/Contractor shall ensure that their employees, consultants, and subcontractors, with access to the NRC's IT equipment, complete the Information Security (INFOSec) Awareness Training annually; no later than December 31<sup>st</sup>.

Agency/Contractor employees, consultants, and subcontractors shall complete the NRC's online, "Computer Security Awareness" course on the same day that they receive access to the NRC's IT equipment and/or services, as their first action using the equipment/service. For those Agency/Contractor employees, consultants, and subcontractors who are already working under an existing agreement/contract, the online training must be completed in accordance with agency Network Announcements issued throughout the year.

Agency/Contractor employees, consultants, and subcontractors who have been granted access to NRC information technology equipment and/or IT services must continue to take IT security refresher training offered online by the NRC throughout the term of the agreement/contract. Agency/Contractor employees will receive notice of NRC's online IT security refresher training requirements through agency-wide notices.

The NRC reserves the right to deny or withdraw Agency/Contractor use or access to NRC IT equipment and/or services should the Agency/Contractor violate the Agency/Contractor's responsibility under this clause.

#### **17. Contract Security Requirements for Unescorted Access to Nuclear Power Plants**

If performance under this work order involves unescorted access to protected and vital areas of nuclear power plants or access to nuclear power reactor SGI, individual contractors requiring access to protected and vital areas of nuclear power plants or access to nuclear power reactor SGI shall be approved for unescorted access in accordance with the following procedures:

##### **17.1 Temporary Approval**

The contractor (DOE laboratory employees and laboratory contractors) does not need a temporary approval if he or she has a valid Government clearance, for example, a DOE "Q" or "L" clearance. If the contractor employee does not have such a clearance, the contractor shall submit the information discussed below within 30 calendar days following contract award, modification, or proposal of new personnel for contract tasks. This information shall be provided

for each person proposed to perform tasks requiring unescorted access to nuclear power plants or access to nuclear power reactor SGI. If access to SGI is needed, and unescorted access is not required, the provisions of 10 CFR 73.22 must be followed as a condition for access to SGI. The information shall be provided to the NRC Division of Facilities and Security (DFS) through the NRC COR and consists of the following:

- A completed Personnel Security Forms Packet, including an SF 86, "Questionnaire for National Security Positions," and copies of the individual's 5-year employment and education history checks, including verification of the highest degree obtained
- A reference from at least one additional person not provided by the individual
- Results of a psychological evaluation (This is not a requirement of the background check that is required for access to SGI.
- Form FD-258, ORIMDNRC000Z (Fingerprint Card)
- A certification that the contractor has found all checks acceptable

The results of a psychological examination that uses a reliable written personality test or any other professionally accepted clinical evaluation procedure shall be used to evaluate a subject's trustworthiness, reliability, and stability. The contractor shall review all required information for accuracy, completeness, and legibility, except Part 2 of the SF 86, which must be completed in private and submitted, along with the Form FD-258 by the individual to the contractor in a sealed envelope, or the individual shall be fingerprinted by the subject utility, and the contractor shall be subject to the utility's access authorization program. As described in this section, DFS shall conduct criminal history and credit checks and a security assurance interview with the individual. On the basis of the results of these checks, DFS shall determine the individual's eligibility for temporary access and indicate an objection or no objection to NRC pending completion of the required background investigation.

## 17.2 Final Approval

Final approval shall be granted if:

- The individual has completed processing (by the Office of Personnel Management) of the required investigation resulting in NRC endorsement for unescorted access at all nuclear facilities for the life of the contract.
- The contractor has obtained unescorted access authorization (other than temporary access) at the specific utility through that utility's access authorization program, resulting in unescorted access at a specific facility.
- The individual possesses a valid Government-issued clearance as verified by DFS.
- A valid Government-issued clearance is defined as a U.S. Government-issued security clearance equivalent to or higher than an NRC "L" clearance (i.e., Secret) based on a comparable investigation not more than 10 years old. The investigation specified in MD 11.7, Section 11.12.2 may involve an National Agency Check and Inquiries (NACI) or other investigation as deemed necessary by DFS in accordance with 10 CFR Part 10, 10 CFR 73.22, NRC MD's 12.3, "NRC Personnel Security Program" and 12.7 "NRC Safeguards

Information Security Program." Any question regarding the individual's eligibility for unescorted access to protected or vital areas of nuclear power facilities will be resolved in accordance with the provisions set forth in MD 12.3, which are incorporated into the work order by reference as though fully set forth therein. The contractor shall, for each contractor individual approved for access under the provisions of this section, submit to DFS through NRC a signed statement from the individual that he or she understands his or her responsibility to report information bearing on his or her continued eligibility for access authorization as specified in MD 12.3. Access to SGI not also involving unescorted access to protected and vital areas of nuclear power plants shall require the submission of a completed Personnel Security Forms Packet to DFS through NRC and will require a Background Check in accordance with 10 CFR Part 73.22 and MD 12.7. Any questions regarding the individual's eligibility for access to nuclear power reactor SGI shall be resolved in accordance with the provisions set forth in MD 12.7, which is incorporated into this contract by reference as though fully set forth herein. On the basis of the review of the applicant's security forms by DFS and/or the receipt of adverse information by NRC, the individual may be denied access to nuclear power reactor SGI until a final determination of his or her eligibility for access is made under the provisions of MD 12.7.

### 17.3 Fitness for Duty

Pursuant to NRC policy, all individuals proposed for work under this contract who require unescorted access to nuclear power plants shall be subject to the requirements of the licensee's fitness-for-duty program (10 CFR Part 26).

### 17.4 Basic Exposure Control and Personnel Dosimetry Training Requirements

The contractor shall certify that personnel working under the scope of this contract have completed basic exposure control and personnel dosimetry training sufficient to meet the requirements of commercial nuclear power plants for unescorted access. Site specific training obtained at each site shall still be required during the performance of work under this contract in addition to the basic training.

### 17.5 Subcontractor Information—Subcontracting

The DOE organization shall notify the issuing NRC CO in writing reasonably in advance of entering into any major or significant technical service subcontract not contained in the original proposal. "Major or significant" must be used with judgment and related to the total value of the project and/or impact on the results. This advance notification shall include the following:

- A description of services to be called for by the subcontract
- Identification of the proposed subcontractor
- The proposed subcontract costs (in total)
- A signed conflict of interest statement

The NRC CO may require additional specific subcontractor information or limitations. The NRC CO will issue a modification to the agreement upon approval of the subcontracting effort.

### **18. Information on NRC Cooperative Programs with Foreign Governments and Organizations and With U.S. Industry**

DOE facilities, contractors, and subcontractors working on NRC cooperative programs with foreign governments and organizations and with U.S. industry perform this work with the understanding that draft or formal reports on this work are to be available only to participants in the program until public availability is authorized by the NRC office. Reports or codes (including data) on this work shall be issued as "Draft Preliminary Reports (Codes)" until the office authorizes issuance of the report as a formal report with the designation NUREG/IA-XXXX for international agreement reports or NUREG/CR-XXXX for contractor reports. Details of the handling of reports may be obtained from the NRC COR.

### **19. Stop-Work Order**

The NRC CO may, at any time, by modification to the agreement to the DOE CO, require the DOE Laboratory to stop all or any part of the work called for by this work order for a period of up to 90 days after the order is delivered to the DOE Laboratory, and for any further period to which the parties may agree. Any such order will be specifically identified as a "stop-work order" issued pursuant to this clause. Upon receipt of such an order, the DOE Laboratory shall forthwith comply with its terms and take all reasonable steps to minimize the incurrence of cost allocable to the work covered by the order during the period of work stoppage.

Within a period of 90 days after a stop-work order is delivered to DOE or within any extension of that period to which the parties shall have agreed the office shall either:

- Cancel the stop-work order
- Terminate the work covered by this work order

If a stop-work order issued under this clause is cancelled or the period of the stop-work order or any extension thereof expires, DOE will authorize its contractor to resume work. An adjustment will be made in the delivery schedule or cost, or both, and the work order must be modified in writing accordingly. If a stop-work order is not cancelled and the work covered by the order is terminated in accordance with the terms of this work order, costs resulting from the stop-work order will be allowed in arriving at the termination settlement.

### **20. Termination**

Circumstances may arise in which either NRC or DOE wishes to terminate performance of a project in whole or in part. If both parties agree, the work order may be terminated. If DOE wishes to terminate the project, it shall advise the cognizant NRC CO. If NRC wishes to terminate the project, the cognizant NRC CO will advise the cognizant DOE Site Office or the DOE Field Office and send a copy of the termination agreement to the DOE Laboratory.

Within 60 days after the effective date of the termination of the work order, the DOE Laboratory shall submit a termination settlement proposal to the cognizant NRC CO, through the cognizant DOE Site Office or the DOE Field Office. When additional time is required to compile all outstanding costs, such as subcontractor costs, the DOE Site Office or the DOE Field Office shall provide a written notification to the NRC CO that includes a proposed due date for the final settlement proposal. In the event of disagreement between the parties, the cognizant NRC CO will make the final decision. The DOE Laboratory shall not incur new obligations for the

terminated portion of the project after the effective date and must cancel as many outstanding obligations as possible. NRC will allow full credit to the DOE Laboratory for obligations properly incurred by the recipient before termination.