

**UNITED STATES DEPARTMENT OF ENERGY
ANNOUNCEMENT OF COMPUTER SOFTWARE**

Record Status (Select One):

- New Package Software Revision

PART I: STI SOFTWARE DESCRIPTION

A. Software Title

SHORT NAME OR ACRONYM

KEYWORDS IN CONTEXT
(KWIC) TITLE

B. Developer(s)

E-MAIL ADDRESS(ES)

C. Site Product Number

1. DOE CONTRACT/GRANT NUMBER(S)

2. R&D PROJECT ID(S)

3. SOFTWARE OR OTHER IDENTIFYING NUMBER(S)

D. Originating Research Organization

E. Release Date/Date of Issuance

F. Sponsoring Organization

G. Other (information useful to include in published announcement record, which is not suited for any other field on this form)

H. Description/Abstract

UNITED STATES DEPARTMENT OF ENERGY ANNOUNCEMENT OF COMPUTER SOFTWARE

PART II: STI PRODUCT MEDIA/FORMAT and LOCATION/TRANSMISSION

A. Hardware Requirements

- PC SUPER COMPUTER MAINFRAME
 MAC MULTI-PLATFORM WORKSTATIONS
 OTHER REQUIREMENTS

B. Software Requirements

1. OPERATING SYSTEM/VERSION

2. COMPILER/VERSION

3. LIMITATIONS/RESTRICTIONS/TIMING REQUIREMENT ESTIMATE

4. OTHER SPECIAL REQUIREMENTS

5. RELATED/AUXILARY SOFTWARE

6. TYPE(S) OF FILES:

- | | |
|--|---|
| <input type="checkbox"/> SOURCE CODE | <input type="checkbox"/> TEXT LIBRARY |
| <input type="checkbox"/> OBJECT LIBRARY | <input type="checkbox"/> USER GUIDE |
| <input type="checkbox"/> EXECUTABLE MODULE(S) | <input type="checkbox"/> AUXILIARY MATERIALS |
| <input type="checkbox"/> COMPILATION INSTRUCTIONS | <input type="checkbox"/> LINKING INSTRUCTIONS |
| <input type="checkbox"/> SAMPLE PROBLEM INPUT DATA | <input type="checkbox"/> SAMPLE PROBLEM OUTPUT DATA |
| <input type="checkbox"/> CONTROL INFORMATION | <input type="checkbox"/> PROGRAM FLOW DIAGRAM |
| <input type="checkbox"/> PROGRAM FLOW DATA | <input type="checkbox"/> PROGRAMMER DOCUMENTATION |
| <input type="checkbox"/> INSTALLATION INSRUCTIONS | <input type="checkbox"/> OTHER |

C. Media Type Information

1. 3.5" DISKETTE ZIP DISK CD-ROM

QUANTITY CAPACITY

2. FORMAT: PC MAC UNIX (Tar Format)

3. LOCATION/TRANSMISSION

URL

FTP FILENAME

D. Documentation Type Information

1. TYPE

- USER MANUAL READ ME FILE
 OTHER

2. FORMAT

- ELECTRONIC PAPER
 OTHER

3. LOCATION/TRANSMISSION

URL

FTP FILENAME

E. References

**UNITED STATES DEPARTMENT OF ENERGY
ANNOUNCEMENT OF COMPUTER SOFTWARE**

PART III: ACCESS LIMITATIONS/STI PRODUCT REVIEW/RELEASE INFORMATION

B. Contact and Approving Official

1. CONTACT (Site contact that will receive any external questions about the software package)

NAME AND/OR POSITION

E-MAIL

PHONE

ORGANIZATION

2. RELEASING OFFICIAL
I VERIFY THAT ALL NECESSARY REVIEWS HAVE BEEN COMPLETED (e.g., Patent, Copyright, ECI, UCNI, etc.) FOR ITEMS MARKED EXPORT CONTROLLED INFORMATION (ECI) (Pt. III, A8) WAS A REVIEW BY THE NUCLEAR TRANSFER AND SUPPLIER POLICY DIVISION (NN-43) REQUIRED?
 YES NO

IF YES, INDICATE DATE COMPLETED

RELEASED BY (Name)

DATE

E-MAIL

PHONE

A. Intellectual Property/Distribution Limitations

- 1. UNLIMITED ANNOUNCEMENT
(available to U.S. and non-U.S. public)
- 2. OPENNET (use OpenNet guidance for below)
 - a. Field Office Acronym
 - b. Declassification date (mm/dd/yyyy)
 - c. Declassification Status
 Declassified Sanitized Never Classified
 - d. OpenNet Document Categories
 - e. OpenNet Address
- 3. COPYRIGHTED MATERIAL:
 - UNLIMITED DISTRIBUTION
 - LIMITED DISTRIBUTION (please specify source of availability)
- 4. SMALL BUSINESS INNOVATION RESEARCH (SBIR)
 - Release Date
- 5. PROPRIETARY/TRADE SECRET
- 6. PATENT HOLD
- 7. PROTECTED DATA
 - CRADA
 - OTHER (SPECIFY)
 - Release Date
- 8. EXPORT CONTROLLED INFORMATION (ECI)
(please specify appropriate audience)
- 9. UNCLASSIFIED CONTROLLED NUCLEAR INFORMATION (UCNI)
(please specify appropriate audience)
- 10. PROGRAM DIRECTED SPECIAL HANDLING (e.g., Office of Nuclear Energy Applied Technology, etc) (please specify appropriate audience)
- 11. CLASSIFIED CLASSIFICATION LEVEL/CATEGORY OF THIS FORM (see form instructions regarding classified STI software products)

INSTRUCTIONS

Who Uses This Form: All U.S. Department of Energy (DOE) offices, contractors, and financial assistance recipients.

When to Use this Form: Complete one copy of this form for each software package submitted or announced to the Energy Science and Technology Software Center (ESTSC) at the DOE Office of Scientific and Technical Information in accordance with established DOE Orders. Additional information concerning preparation can be found in DOE G 241.1-1A. Questions may be referred to ESTSC at (865) 576-2606, Fax (865) 576-6436, and/or E-mail: ESTSC@ADONIS.OSTI.GOV.

Where to Send: Forward the complete software package to:
Note: Sensitive, proprietary, or other STI Software Products for which access is restricted by statute or regulation shall not be transmitted via open systems networks (e.g., the Internet) unless authorization and/or encryption has been coordinated with OSTI in advance. This form, unless it in itself is classified, can be transmitted via e-mail. If package is being submitted electronically, please contact ESTSC for further instructions.

ITEM INSTRUCTIONS : Part I. STI SOFTWARE DESCRIPTION

A. SOFTWARE TITLE - The title, acronym, and KWIC (keywords in context) title of the software.

B. DEVELOPER(s) - The primary software developer should be listed first. Multiple names acceptable. Allows for "NONE" as an option for few cases where necessary.

E-mail Address(es) - Provide in same order as developer names. Will be used only by OSTI staff.

C. SITE PRODUCT NUMBER - Unique site number that identifies software product.

1. DOE Contract/Grant Number(s) - Required for all (can be "NONE").

2. R&D Project ID(s) - A unique and permanent ID assigned to identify a particular research project or funding source.

3. Software or Other Identifying Number(s) - If appropriate, includes CRADA number, LDRD number, B&R code, etc.

D. ORIGINATING RESEARCH ORGANIZATION - The organization/site submitting the software.

E. RELEASE DATE/DATE OF ISSUANCE - Identifies the software release date. Standard format to be followed (e.g. follow rules of inputting), but requires standard 4-digit year.

F. SPONSORING ORGANIZATION - The sponsoring or funding office of the work reported in the STI product. "USDOE" is the default value.

G. OTHER - Information useful to include in published announcement record, but which is not suited for any other field on

this form.

H. DESCRIPTION/ABSTRACT - Text should be spell-checked, limited in length to 2000 characters, and follow input standards for special characters. Describe the purpose of the computer program, state the problem being solved and summarize the program functions and capabilities (highlight the advantages, distinguishing features and/or special capabilities). Provide a short summary of the mathematical methods, engineering principles, numerical algorithms and procedures incorporated into the software. DO NOT INCLUDE SENSITIVE INFORMATION IN THE DESCRIPTION/ABSTRACT.

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Part II: STI PRODUCT MEDIA/FORMAT and LOCATION/TRANSMISSION

A. HARDWARE REQUIREMENTS - Hardware and installation environment requirements necessary for full utilization of the software. Include memory and RAM requirements in addition to any nonstandard features.

B. SOFTWARE REQUIREMENTS -

1. Operating System/Version
2. Compiler/Version
3. Limitations/Restrictions/Timing Requirement Estimate
4. Other Special Requirements
5. Related Auxiliary Software
6. Type(s) of Files: Types of files provided on the media, for example, source code, text library, etc.

C. MEDIA TYPE INFORMATION - An explanation of the type of media (diskette, CD, etc.) provided with the package.

D. DOCUMENTATION - The documentation type and format provided with the package.

E. REFERENCES - List citations of pertinent publications by author, title, report number, barcode, or order number (if available) and date. References are to be broken down into two groupings: 1) reference documents provided with the submittal package and 2) additional background reference materials generally available.

PART III. ACCESS LIMITATION(S)/STI PRODUCT REVIEW/RELEASE INFORMATION

Non-conflicting multiples are allowed. DOE is obligated to make available the results of its federally funded R&D to the widest extent possible. If YES is selected and applies to one or more of the designations listed, dissemination of the software will be controlled in accordance with existing laws and DOE policies. The designations are explained more thoroughly in DOE Orders. Includes minimum supporting fields (e.g. release dates):

A. INTELLECTUAL PROPERTY/DISTRIBUTION LIMITATIONS - One selection is required.

1. Unlimited Announcement - Software can be made available to all requesters; government, public and foreign (sensitive countries require Headquarters approval).

2. OpenNet - STI software products declassified and made available for public release will be announced on the Department's OpenNet Database in accordance with the Department's Openness Initiative. When records for declassified STI products are submitted to OSTI electronically, and authoritative classification change notice (paper only), in accordance with DOE M 476.1-1, Identifying Classified Information, must accompany that submission.

3. Copyrighted Material (Copyright Release) - ESTSC is authorized in major contractor data clauses to disseminate copyrighted works developed under DOE funding to Government agencies and their contractors for Government purposes; the copyright holder will disseminate to other requesters. An expanded description/abstract is required.

4. SBIR - Small Business Innovation Research information protected for delayed release.

5. Proprietary/Trade Secret - Containing proprietary data not for public disclosure.

6. Patent Hold - Information to be withheld pending patent clearance.

INSTRUCTIONS (Continued)

7. Protected Data - CRADA—protected resulting from Cooperative Research and Development Agreements that contain information protected from release for up to five years (release date to be specified).

8. Export Controlled Information (ECI) - Information that is export controlled for which unrestricted public dissemination could help potential proliferants.

9. Unclassified Controlled Nuclear Information (UCNI) - May or does contain UNCI as defined in Section 148 of the Atomic Energy Act.

10. Program-Directed Special Handling (e.g., Office of Nuclear Energy Applied Technology, etc.) - Other special types of information for which access is defined by written DOE Program Office guidance.

11. Classified: Classification Level/Category of This Form - STI Software Products will be announced by OSTI in accordance with DOE/OSTI- 3679-Rev.75. Sites requiring assistance in making classified STI software products available should contact ESTSC, (865) 576-2606.

B. CONTACT AND APPROVING OFFICIAL

1. Contact - Site contact that will receive any external questions about the software.

2. Releasing Official - Site's designated official(s) who ensure that all appropriate sensitivity reviews are completed (i.e. patent, copyright, UCNI, etc.).

Review by Office of Arms Control and Nonproliferation - If the software meets the following criteria, it should be reviewed by the Office of Arms Control and Nonproliferation (NN-43) to determine if the public dissemination of the software would help

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proliferants. This review must be completed prior to announcing the software to OSTI, hosting the software on a web server, or submitting the software to OSTI or SIAC.

- Any software code identified as containing Export Controlled Information (ECI) by the originator.
- Software codes that contain algorithms for any of the following:
 - hydrodynamics
 - radiative transfer
 - high explosives detonation
 - strength of materials
 - equations of state.
 - Any software code that can be used for coupled neutron/photon/electron codes.
 - Compiled executables of the above.
 - All codes that have a version that fits the criteria above, even if the version of the code lacks one of the components specified above.
 - Any software code that could meet the above criteria if a publicly available code could easily be integrated into it.

OMB BURDEN DISCLOSURE STATEMENT

Public reporting burden for this collection of information is estimated to average 10 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Information, Records and Business Management, SO-31, GTN, U.S. Department of Energy, Washington, DC 20585 and to the Office of Management and Budget (OMB), Paperwork Reduction Project (1910-1400), Washington, D.C. 20503.