



Office of Scientific and Technical Information
U.S. Department of Energy

Software & Intellectual Property

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Scientific Software Is STI

- Scientific software is one type of research result.
- DOE O 241.1A *includes software as a type of STI.*
- DOE contractors are required to make STI available to OSTI, including scientific and technical computer software.



Software Scope of ESTSC

Within Scope

Not Applicable

Meets definition of STI in DOE O 241.1A (e.g., derived from R&D)	Business applications or other non-scientific software (e.g., project tracking)
Has broad usefulness within or external to DOE	Site-specific application only (unique to particular hardware or operations system)
Is a stable, documented version of software (not in development stage)	Developed under WFO and excluded for DOE
	Developed by or for EIA
	Specific to power administrations



Submission Criteria

- Follow guidance in DOE G 241.1-1A.
- Provide DOE F 241.4 with announcement data, e.g., title, author, lab, and file format.
- Conduct appropriate review and release to determine public vs. limited access.
- Include in package: Form 241.4, the software source code and/or executable file, and documentation such as user manual or test cases.



Key Aspects of STI Software Program

- Coordinating announcement and access with DOE POCs
- Responding to requests, including from sensitive countries, with approval through NNSA
- Implementing international exchange agreements for unclassified nuclear-related software
- Working with the four DOE Specialized Information Analysis Centers (SIACs) for software within their subject scope:
 - Radiation Safety Information Computational Center at ORNL
 - National Nuclear Data Center at BNL
 - Carbon Dioxide Information Analysis Center at ORNL
 - National Petroleum Technology Office in Tulsa



Activity Level of ESTSC

- Established in 1991 with move of NESAC, ESTSC maintains an inventory of approximately 1000 software packages, with 700 currently active.
- Around 200 packages are sold annually to customers from DOE, other agencies, academia, U.S. industry, and international organizations, using a cost-recovery fee schedule.



Current Challenges

- **Electronic Transition** - Unlike other forms of STI which are electronically accessible via the Web, software is provided on disks, many with paper documentation.
- **Comprehensive Inventory** - Not all DOE scientific software is made available or announced to OSTI, thus no single comprehensive list of software is accessible.



Software Submissions CY 1997 - Present

Calendar Year	Packages Submitted
1997	78
1998	88
1999	73
2000	28
2001	24
2002	144
2003	19



Include Software in Site's STI Process

- Know and coordinate with site's Software POC
- Help to ensure:
 - Software packages have been announced and made available to ESTSC according to DOE O 241.1A and DOE G 241.1-1A (unclassified-unlimited, classified, sensitive-unclassified, copyrighted, etc.)
 - Software is reviewed and marked appropriately like other STI
 - Only software packages that meet the scope of interest/operation of a Specialized Information Analysis Center (SIAC) are being submitted to the SIAC
 - Software hosted at the developing site is announced to ESTSC via the DOE F 241.4
 - Updates of software packages are made available to ESTSC



The DOE Energy Science and Technology Software Center <www.osti.gov/estsc>



U.S. Department of Energy

*Energy Science and Technology
Software Center*

The Energy Science and Technology Software Center (ESTSC) is the U.S. Department of Energy's (DOE) centralized software management facility. Operated by the DOE Office of Scientific and Technical Information (OSTI), the ESTSC licenses and distributes Federally funded scientific and technical software developed by the national laboratories, other facilities and DOE contractors. This scientific and technical software represents the latest in Federal technology. In addition, the collection contains selected scientific and technical software from the Nuclear Energy Agency (NEA) of the Organization for Economic Cooperation and Development (OECD).

<u>ESTSC Software Listing</u>	<u>DOE F 241.4</u> <u>DOE Announcement of Computer Software</u> <small>This form is in PDF-fillable format. User must have <u>Adobe Acrobat Reader plug-in</u> installed to access the form.</small>
<u>What's New</u>	<u>Most Frequently Requested</u>
<u>Ordering Information</u>	<u>Frequently Asked Questions</u>



Intellectual Property and Other Legal Issues

- A number of questions keep surfacing.
- The existing IP guidance is not sufficient.
- Local interpretation may vary.
- Our issues will be presented at the annual DOE IP conference (May 13-14).
- What are your questions?



Topics Collected

- Information about the patent process
- Transfer of copyright form for publishers (see handout)
- Privacy Act information