

## **About STI**

*In the course of performing research and development (R&D) and other scientific and technological work, researchers funded by the U.S. Department of Energy produce scientific and technical information (STI) to document and disseminate their findings. STI includes products such as journal articles, technical reports, conference presentations, books, and more. Through the Scientific and Technical Information Program (STIP), the DOE Office of Scientific and Technical Information (OSTI) collaborates with people across the DOE complex, including Headquarters programs, field offices, national laboratories, and other facilities. The STIP partnership ensures that the results of DOE-funded work are identified, disseminated, and preserved. Thus OSTI collects STI produced across the DOE laboratory and facility complex as well as from financial assistance recipients.*

## **STI PRODUCT TYPE: SCIENTIFIC/TECHNICAL SOFTWARE**

### **Definition**

Scientific/technical software is computer software that has been developed and/or modified during work supported by DOE. As a form of STI, it is a result of research and development or other science and technology work and is a stable, usable version expected to be useful to others (that is, its use is not limited to a single site due to specific technology or equipment). The software package is to include the source code, the executable object code and the minimum support documentation (e.g., software user guide or manual) needed by a competent user to understand and use the software and to be able to modify the software in subsequent development efforts. OSTI serves as DOE's software management facility for the announcement, collection, licensing and distribution of federally-funded software developed by DOE national laboratories and other DOE facilities/contractors. This software management activity is operated by the Energy Science and Technology Software Center (ESTSC – <http://www.osti.gov/estsc>), located at OSTI.

### **Submission Options**

**Lab Researchers** - Each DOE laboratory has a site program to manage scientific and technical information (STI) produced under the contract and to make it available to DOE's Office of Scientific and Technical Information (OSTI). Each site's STI Manager is involved in the process; additionally, software points of

contact are identified at most facilities. For more information, see the listing of STI points of contact at <http://www.osti.gov/stip/stimanagers>. Using the Lab's processes for STI software submission, the researcher should provide metadata/citation information for the software on AN 241.4 at <https://www.osti.gov/mlink/241-4.jsp> as well as a copy of the software on a disk to be shipped to OSTI's Energy Science and Technology Software Center (ESTSC), P.O. Box 62, Oak Ridge, TN 37831. If the software is designated as "open source software," then the lab hosts availability on a website and provides the required URL on the AN 241.4. More information is available here <http://www.osti.gov/stip/241.4>.

**Financial Assistance Awardees/Grantees** - Scientific/technical computer software is to be announced per instructions provided in the award package and the Federal Assistance Reporting Requirements Checklist (DOE F 4600.2). The AN 241.4 and instructions are available on E-Link at <https://www.osti.gov/elink/241-4.jsp>. The AN 241.4 is to be filled online and submitted electronically, with a printed copy or note accompanying the shipped software package. Software (including user guide or manual) must be submitted on computer disk (CD) shipped via regular mail to: Energy Science and Technology Software Center, P.O. Box 62, Oak Ridge, TN 37831.

### Availability in DOE/OSTI Web Products

Scientific/technical software submitted to OSTI is publicly announced in this resource:

- **SciTech Connect** (<http://www.osti.gov/scitech>) includes software as a type of STI and has a “Software” tab, available directly above the search box on the homepage, as a direct route to software results. You can also conduct your search across all product types and then use the software search filter on the results screen to limit to software only. The advanced search screen, accessible by the “Advanced Search” button under the search box, can be used to refine your results, particularly if you know the creators or the title of the software. The “Software Package Number” is a metadata field unique to software and can be searched using the “Identifier Numbers” field.
- You can order software, request consultation services, or receive further information using the link provided in the upper right corner of each citation screen after conducting a search in SciTech Connect OR you may send an email to [estsc@osti.gov](mailto:estsc@osti.gov).

ESTSC is included in the **National Library of Energy<sup>Beta</sup>** (NLE<sup>Beta</sup> – <http://www.osti.gov/nle>), which virtually integrates and simultaneously searches high-quality, decentralized information collections and databases across DOE.

In addition, these web-based sources are included in the Federal science portal **Science.gov** ([www.science.gov](http://www.science.gov)) and the international science portal **WorldWideScience.org** ([www.worldwidescience.org](http://www.worldwidescience.org)). Science.gov represents an interagency collaboration of 17 U.S. government science organizations within 15 federal agencies, hosted by OSTI. Worldwidescience.org searches over 100 STI resources including national libraries and information centers from more than 70 countries.

OSTI also works in close collaboration with Google and others, using Sitemap Protocols and other information industry standards to facilitate the discovery of DOE STI through widely used search engines.

#### Additional Information/Contacts

- The STIP website at <http://www.osti.gov/stip/>
- Best practices for software at [http://www.osti.gov/includes/estsc/software\\_best\\_prac.html](http://www.osti.gov/includes/estsc/software_best_prac.html)
- OSTI staff will respond to questions/suggestions sent to [stip@osti.gov](mailto:stip@osti.gov) or to [estsc@osti.gov](mailto:estsc@osti.gov)
- Questions related to E-Link may also be sent to [241user@osti.gov](mailto:241user@osti.gov)