



Software Access Agreement

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Recent feedback has underscored the fact that high performance software as well as hardware capabilities are needed to assist CSIRO staff make best use of the available computational resources. HPSC is establishing a repertoire of software applications on HPSC facilities and will also provide some software that will be more widely available across CSIRO. Initial steps are outlined below, and we are very interested to identify additional key needs.

It is important to appreciate that HPSC's role means that the software solutions are chosen and configured to support high end computational needs and, while they will integrate where possible with desktop science needs, their provision and configuration is typically not aimed at the desktop solutions as provided by CSIRO ITS agreements.

Cost Contribution

Unlike hardware, where costs are fixed and users obtain a share of a limited resource, software access is based on licence fees that grow as the number of users increases creating a difficulty for the fixed budget of HPSC. Consequently, while HPSC is able to underwrite the cost of software acquisition and some base use, it needs a contribution from users to meet the expected cost growth.

The contribution is \$5000 per year per staff member for access to all HPSC software

This cost is significantly less than the costs of individual software licenses to CSIRO staff and is based on our ability to share licenses using a license server.

Software will be installed and controlled by licence servers on CSIRO HPSC facilities. Some software (e.g pre and post processing) may be available for download to a user's workstation for execution there. A checklist for indicating interest in particular software is attached.

Other Software Suggestions

HPSC requests scientific staff to assist in identifying suitable software for acquisition to exploit the large computational and data resources available to HPSC users.

(specify) _____

Please contact Len Makin (03 9669 8109 or email Len.Makin@csiro.au) in the first instance.

Scope of Agreement

Software provided by the HPSC is available to be used by:

1. any CSIRO officer; and
2. staff from other organisations working on collaborative projects with CSIRO, and for which approval has been given by their collaborative organisation (Such usage may attract additional charges. Officers sponsored by CSIRO requires approval by the respective Divisional Chief.)

on payment of an annual access fee. This fee is a fixed charge that contributes to license fee costs.

Access to CPU, disk space and the HSPC Datastore is provided from the HPSC Cost Centre.

CSIRO HPSC computing facilities include:

- the HPCCC NEC SX-6 complex including the TX7s (mawson and eccles);
- CSIRO SGI Altix (cherax) HPCCC datastore and compute server;
- CSIRO HPSC Cluster installation(s);
- CSIRO HPSC bladestore and portal machines;
- dial-up modems, network routers, internet links, and related equipment providing access to CSIRO HPSC facilities;
- any other equipment owned or operated by the HPCCC or CSIRO in support of the above computing facilities ;
- any equipment that may from time to time replace or augment any of the above.

Software Checklist

Please tick software packages you may be interested in using.

| | | MSC Master Key Software | |
|--------------------------|--------------------------------|--------------------------|-----------|
| <input type="checkbox"/> | NAG Fortran subroutine Library | <input type="checkbox"/> | Nastran |
| <input type="checkbox"/> | NAG Fortran90 Library | <input type="checkbox"/> | Patran |
| <input type="checkbox"/> | Mathematica | <input type="checkbox"/> | AFEA |
| <input type="checkbox"/> | S-Plus | <input type="checkbox"/> | Mark |
| <input type="checkbox"/> | GaussviewW | <input type="checkbox"/> | Mentat |
| <input type="checkbox"/> | Gaussian 2003 | <input type="checkbox"/> | Adams |
| <input type="checkbox"/> | CFD-ACE | <input type="checkbox"/> | Superform |
| <input type="checkbox"/> | Ensignt | <input type="checkbox"/> | 2D |
| | | <input type="checkbox"/> | Dytran |
| | | <input type="checkbox"/> | GS-Mesher |
| | | <input type="checkbox"/> | Explore |
| | | <input type="checkbox"/> | SDM |
| | | <input type="checkbox"/> | Easy5 |

Application to Participate in HPSC Software Agreement

Name: _____

Division/Unit/Project: _____

NEXUS Ident: _____

Postal Address: _____

Email Address: _____

Phone: _____

Fax: _____

CSIRO Account Code to be charged: _____

I have read and agree to act in accordance with the Conditions of Use for CSIRO HPSC Licensed Software.

Signed:

_____ **Date:** _____

Approved by:

_____ **Date:** _____

(printed name)

_____ **Position:** _____

(signature)

Conditions of Use for CSIRO HPSC Facilities and Licensed Software

- The APS Values and Standards of Conduct require public servants to "use Commonwealth resources economically and only for official purposes".
- CSIRO staff are governed by the CSIRO Code of Conduct
- The facilities are only to be used for projects sanctioned by CSIRO, except by prior arrangement with CSIRO HPSC Management.
- Usage of the facilities is restricted to registered users accessing CSIRO HPSC facilities from registered machines. Usage by any other person(s) is prohibited.
- Registered users shall not share usernames with one another or use facilities that bypass the use of passwords, unless prior authorisation has been obtained from CSIRO HPSC Management.
- Account details are not to be given to any other person, for any purpose, except with prior authorisation of CSIRO HPSC Management.
- Registered users must inform CSIRO HPSC Management if they have reason to believe the security of CSIRO HPSC facilities has been compromised or is at risk.
- Registered users must not undertake unauthorised commercial activities that utilise HPSC software.
- Registered users will take all reasonable steps to preserve the confidentiality of intellectual property of other users and their organisations, or CSIRO HPSC equipment and software suppliers. Users acknowledge that they are aware of the provisions of the Commonwealth Crimes Act 1914, section 70 and section 79 relating to the disclosure of Government information and official secrets, and further acknowledge that Sections 76A-76F and 85Z regarding offences relating to computers may also apply.
- In particular, unauthorised access to another person's files is an offence.
- Users undertake to give access to any files stored by the user on the above systems to any persons authorised by CSIRO HPSC Management at all reasonable times. Users shall permit such authorised persons to inspect their activities and any material related to their usage of CSIRO HPSC computing facilities.

Effective date : This policy is effective from 1 July 2004 until further notice.

Authors: R.Francis, L.K.Makin CSIRO HPSC July 2004