OFFICE CIRCULAR

SYSTEMS ENGINEER (GRADE A2/A3) IN THE INFORMATION SYSTEMS DIVISION OF THE COMBINED ENERGY STAFF

Closing date for applications: 4 March 1993

Duties:

• Under the general direction of the Head of Division, and as a member of a small team of professionals with joint responsibility for continuous enhancement of the information systems, to ensure cost-effective application of new technologies, providing system management, applications design and development, and support services to the users of the Agency’s integrated data management and office network systems.

1. Perform systems management duties for the IEA’s VAX database host system, including close liaison and careful co-ordination with the systems engineer of the Novell Office Network.
2. Supervise monitoring of daily operations to ensure maximum availability of systems to users, and optimum performance from the installed configuration. Identify areas of future performance constraints, and plan to circumvent them.

3. Evaluate and recommend computer hardware and software for central systems and wide-area network communications. Carry out appropriate acceptance tests, including liaison with suppliers, and plan and execute installation of major system upgrades.


5. Participate in implementation of wide area network services to provide electronic mail and other communications procedures, data collection and dissemination, and external database consultation.

6. Contribute to migration of statistical database management system to client/server environment. Support econometric analysis applications installed in a cross-platform environment.

7. Review and enhance existing applications as required; respond to requests for design of new applications; assess suitability of alternative applications environments.

8. Assist in the support, training, and documentation activities of the Division’s support unit.

9. Carry out other related duties as assigned.

Principal qualifications:

1. University degree or equivalent in computer sciences, electrical engineering or equivalent.

2. At least five years professional experience of systems management in a heterogenous operating system environment, preferably including wide and local area network aspects. Experience with UNIX systems would be a distinct advantage. Familiarity with VMS would be an asset.
3. High-level programming skills in the C programming language. Familiarity with APL would be an advantage. Experience of applications development using relational or object-oriented database models is desirable.

4. Knowledge of X.400 and X.25 networking concepts would be an advantage.

5. Very good inter-personal communications skills, with ability to integrate within a project-oriented professional team. Willingness to take responsibility to carry through complex projects on time and within budget.

6. Very good knowledge of one of the official languages of the Organisation (English and French). Good knowledge of the other.