Technical Specifications for Lots A3, B2, C1, C2, C3 under Open Call for Tender EEA/OIPI/99/007

A. UNIX SYSTEMS

A3: Unix workstations, servers, accessories, maintenance and system software

The following are examples of Unix workstation and server that the EEA will be acquiring using the framework contract. Exact quantities can be assumed to be one of each category annually. The tenderer shall give unit prices of each, and quote them as discounts from the tenderer's public price list, if applicable.

Requirements

- 100 MBPS Ethernet
- Solaris Sparc or compatible clone
- Compliant with the Single UNIX Specification
- The full range of the current release of Netscape SuiteSpot Servers must be supported.
- Legato Networker must be supported

Example UNIX Workstation configuration

Product description	Applicable Standards
Sun Ultra 5 with • 9.1 GB harddisk • 256 MB main memory • 19" CRT display, resolution 1024*768 by 75 Hertz refresh rate • CD-ROM Drive • 3.5 inch 1.44 MB floppy drive • 10/100 Mbps Ethernet Network adapter • Keyboard layout in any EU language plus Norwegian, Icelandic and Swiss-German • Solaris 7	The system unit and the display must meet the Energy Star Computer Programme 98 requirement (US EPA). Regarding ergonomics the display must meet the requirements defined in ISO-9241-3 (CRT display) and the keyboard must meet the requirements defined in ISO 9241-4.3 (Keyboard). Packaging has to be identified in accordance with 97/129/EEC and marked in accordance with 96/C382/05. The system unit and display must meet the requirements for electrical safety in accordance with EN 60950/A1,A2 and for electromagnetic compatibility in accordance with EN 55022 and the EU directive 89/336/EEC.

Example UNIX Server configuration

Product description	Applicable Standards
Sun Enterprise 250 with • Dual 400 MHz Processor • 2MB external cache memory per processor • 1 GB main memory • hot-swapable, redundant power supply • 4 x 9 GB hot-swapable hard disks • 10/100 Mbps Ethernet • 17" CRT display, , resolution 800*600 by 75 Hertz refresh rate • CD-ROM Drive • 3.5 inch 1.44 MB floppy drive	Regarding ergonomics the display must meet the requirements defined in ISO-9241-3 (CRT display) and the keyboard must meet the requirements defined in ISO 9241-4.3 (Keyboard). Packaging has to be identified in accordance with 97/129/EEC and marked in accordance with 96/C382/05. The system unit and display must meet the requirements for electrical safety in accordance with EN 60950/A1,A2 and for electromagnetic

• UK keyboard • Solaris 7 • C/C++ compiler	compatibility in accordance with EN 55022 and the EU directive 89/336/EEC.

Maintenance of the above, with 4 hour response time during business hours, shall also be offered. This shall be specified separately for the initial warranty period and time afterwards.

Maintenance of EEA's existing Solaris servers shall also be offered from 1 July 2000 onwards on an annual basis. The current Solaris servers are the following:

Name	Type, Purchase year	Configuration
Seal	Sparc 10, 1994, Solaris 2.5.1	Firewall, 1 disk from 1997, 1 original harddisk drive, 1 Quad Ethernet card, 2 ISDN cards, 21" monitor, GX graphics, 64 MB memory
Jaguar	Ultra 1, 1994, Solaris 2.5.1	Workstation, 1 disk from 1998, 1 original harddisk drive, 21" monitor, 96 MB memory
Panther	Ultra 1, 1997, Solaris 2.5.1	Webserver, 17" monitor, 2*4GB internal, 1*9 GB external disks, external DAT tape, 128 MB memory
Spider	Ultra 1, 1997, Solaris 2.6	Webserver, 1 original harddisk drive, 17" monitor, 128 MB memory
Octopus	Ultra Enterprise 1, 1997, Solaris 2.6	Webserver and backup, 2 original internal hard disk drives, 128 MB memory
Troll	Ultra Enterprise 1, 1998, Solaris 7	Workstation, 2 original internal hard disk drives, 17" monitor, 64 MB memory
Mammoth	Enterprise 450, 1999, Solaris 2.6	Webserver, 8 harddisk drives, 1GB memory, 2 processors, 17" monitor

B. UNIX SOFTWARE

B2: Unix software and its maintenance

Requirements

Must run on Solaris and the UNIX architecture selected in A3.

Purchase price, cost of regular OS upgrades, and cost of hotline support are requested. The tenderer shall give unit prices of each, and quote them as discounts from the tenderer's public price list, if applicable.

Example software purchase

Product description	Quantity	Applicable Standards
Solaris Operating System and upgrades		SLA to be suggested by tenderer
Netscape SuiteSpot	3	SLA to be suggested by tenderer
Netscape Application Server	1	SLA to be suggested by tenderer
Netscape DevEdge Application Builder Membership	1	SLA to be suggested by tenderer
Corporate portal tools for WebTop management	1	SLA to be suggested by tenderer
Oracle 8	32 users	SLA to be suggested by tenderer

C. NETWORK SERVICE

C1: Internet Services

The tenderer is invited to provide EEA with Internet services for the period of the framework contract. The connection shall link the EEA to the public Internet. The primary audience is located in Europe in the government/academic sector. Hence, the contract will be awarded to the ISP with the best overall connectivity to public administrations in the rest of the European countries – including those countries, which are not members of EU. The tenderer shall describe the topology of connections that is offered and foreseen in future.

The EEA maintain some webservers that serve content to the general public. We expect the number of hits to increase over the years – especially as more and more documents are also available on our webservice. The EEA maintains its own DNS for the domains eea.eu.int and eionet.eu.int.

The current Internet line is 2MBPS frame relay that connects to a Cisco 3620 router and a firewall. Annual maintenance of the router can be offered.

The minimum speed requested for the link between EEA and the ISP is 2 MBPS and 200 MB/day international average. The tenderer shall in addition quote a price for the doubling of the speed to 4 MBPS.

If the tenderer can provide EEA with an upgrade path for connecting with Trans-European backbones of research institutions and public administrations, possibly with ATM, that will be an advantage. Such connectivity may be offered as an option.

C2: Dial-in services for distance workers and roaming access

It is getting more and more popular amongst EEA employees to work from their homes. We expect in the near future that 10-15 persons will from time to time make use of this. EEA has installed a VPN module in our firewall that allows the employee to use any Internet connection through an ISP to gain access to the LAN.

The employees are located in a 50 km radius from Copenhagen centre and also in the vicinity of Malmø, Sweden.

A second requirement is that the EEA employees travel quite a lot to the EU member states and also in North America, and it must be possible for them to access the EEA LAN from hotel rooms, vacation homes etc. Since a trip typically lasts only a few days it is necessary to have prearranged agreements and preissued telephone numbers to ISP points-of-presence.

The contract will be awarded to the ISP with the best international connectivity and lowest prices.

C3: Videoconferencing system

We have put together the requirements for a very advanced combination of videoconferencing equipment. Realising that we can't purchase it all at once we have set up some fallback options that we can purchase first – then later upgrade to the full solution.

The tenderer is asked to specify the upgrade path from our initial intended purchase described below.

The full solution

We intend to have a group system with a 25"-34" display and a camera that can zoom and pan (operated by an operator). The system must be able to handle 384 kbps H.320 over ISDN and H.323. The intention is to use it as a) a high quality teleconferencing tool between *two* small groups of individuals and b) to multicast large meetings from our conference room to *several* personal workstations over LAN or Internet with H.323.

- (Optional feature) If someone at the remote stations makes a statement the video feed shall shift to that individual's camera.
- Since conference systems connected via Internet can have widely different throughput, a special service is necessary that can convert the dataflow into different speeds.
- A wide choice of the most popular videoconference products on the desktop should be accepted.

A future requirement we have, is a gateway between H.323 and H.320 for the personal workstations. It must be possible for anyone with H.320 compliant equipment to connect to the gateway and be switched to a workstation on EEA's LAN with H.323 compliant software.

Initial purchase

We intend to purchase the group system first including the ability to use 384 kbps H.320 and H.323.