GPO A*CCESS* O*PERATING* S*YSTEM*

GPO Access resides on multiple Digital AlphaServer 1000A and 1200 computers, running processor speeds of up to 533 Mhz. Many of these servers contain integral Redundant Array of Inexpensive Disks (RAID) units for high performance and high availability data storage. All servers utilize the Digital UNIX Operating System. The Web and application servers run Web server software created by Netscape Communications Corporation, while the database servers run wide-area information servers (WAIS) software created by WAIS, Incorporated. All of these servers are directly connected to a 100 megabits-per-second (Mbps) FDDI ring, which is connected to the Internet over a partial T3 connection provided by GTE Internetworking. The T3 connection, operating at 12 Mbps, currently averages 55% capacity during peak usage of *GPO Access*.

GPO Access has backup systems, in the event that GPO experiences primary server failures or server shutdowns for routine maintenance. The backup systems are located in a secure, geographically separate GPO facility, and they reside on a 10 Mbps Switched Ethernet LAN segment, which in turn is connected to the primary service FDDI ring via a 100 Mbps fiber-optic uplink.

Another backup/archival site, which is located in Kentucky, is hosted on an Alpha 3000/4000 platform running Digital UNIX. WAIS is the primary application in use. The 56 kilobits-per-second Internet connectivity is provided by the University of Kentucky.