

B. Information Technology

1. Server Requirements - The Contractor shall maintain all system databases on a server(s) running the Windows 2000 NT operating system and Oracle 8.17 or higher.

2. COTS Software - The Contractor shall provide commercial off-the-shelf software (COTS) as needed to respond to NASA research and project requests. Some current software examples are: Microsoft Office, Microsoft Access, Filemaker, Adobe Acrobat, Illustrator, and Pagemaker. The Contractor shall be notified by NASA when upgrade versions or additional software requirements are needed.

3. Custom Interface Tools for COTS Software - Oracle database software is used as the basis for the ASRS, PSRS, and SIRS reporting systems' databases. Oracle is COTS software provided by the Government. Custom interface tools, used by the analysts, have been developed over the past few years to facilitate and enhance the use of the Oracle software. These interface tools include the Analysts Workbench tool, the Multiple Report Matching tool, and the Web Query tool. These interface tools have evolved and been improved incrementally over time and it is expected that they will continue to evolve and improve. The Contractor shall provide the development efforts for these interface tools on an as-needed basis. Interface tools are considered to be administratively controlled information and subject to the non-disclosure, handling and other obligations of Clauses H.5, *Management and Protection of Data*, and H.6, *Handling of Data*.

4. Security - The Contractor shall provide a secure environment for all computer hardware, software, and networks as specified in the ASRS/PSRS/SIRS Security Plan (Paragraph VI.B.1).

5. Extensions and Enhancements - The Contractor shall be expected to perform relevant tasks related to the modernization and enhancement of the reporting systems to produce long-term efficiencies in report processing and to make the ASRS and PSRS databases more accessible and integrated with other safety resources. These enhancements include an on-going evaluation of the capability for secure electronic submission of reports, electronic information sharing, automated text search, and data management analysis software tools (e.g., Analysts Workbench software). ASRS is receiving reports from airline Aviation Safety Action Programs (ASAP). Several ASAP systems are currently evolving from paper submission to electronic data transmission between the airline programs and ASRS.

C. Personnel - In order to preserve the integrity and the perception of independence of the ASRS program, ASRS staff members must be dedicated employees of the program and shall not be concurrently employed by any associated aviation agencies, organizations, or businesses. In addition, all ASRS staff members shall sign non-disclosure agreements to protect the confidentiality of all ASRS data and information. This same requirement applies to staff members of PSRS and SIRS for their associated medical and security domains. It is the responsibility of the Contractor to maintain these agreements and make them available to the COTR upon request. Each person hired by the Contractor and its subcontractors shall be required to satisfactorily pass a background screening conducted by NASA Ames' Office of Protective Services.

1. Program Managers - The Contractor shall provide a Program Manager for each specific system (i.e., ASRS, PSRS, SIRS, etc.). The Contractor's Program Managers shall provide overall contract management of the Contractor's efforts and shall provide a responsible interface with the Government. The Program Managers