

Apollo configuration management system. This procedure provides control of the technical requirements, which define a large system. The Apollo Configuration Management Manual has been amended to provide for the specification and control of these computer programs, and the new procedures are currently being phased into on-going projects. Also, the Apollo Program Office has sponsored a study of management procedures for computer programming efforts (Bellcomm Report No. TR 66-520-2, "Procedures for the Management Control of Computer Programming in Apollo").

5.4.4 Future Efforts in Contract Management of Computer Systems

There is a continuing effort in OMSF and its Centers to improve the level of contract management of computer systems. Several areas are presently under study, such as:

- (1) How to collect, code, and disseminate the experience gained in software management so it can be applied to future efforts
- (2) How to more effectively use computers to manage other computers
- (3) How to effectively incentivize selected software contracts
- (4) How to develop standard milestones to provide all levels of management with increased visibility when monitoring computer contracts
- (5) How to more effectively identify computer costs in contracts that cover both computer and non-computer elements.

5.5 COMPUTER RESOURCE SHARING

5.5.1 Policy

Computer resources (computer time, programs, program outputs, personnel, program descriptions) are shared extensively in MSF, both in formal programs and on an informal basis. Sharing is encouraged by stated NASA and government policy (NASA Document NHB 2410.1, "Management Procedures for Automatic Data Processing Equipment") and controlled through Center participation in special panels developed for this purpose. In addition to inter-MSF sharing, resources are shared with other NASA Centers, government agencies, and private organizations.