

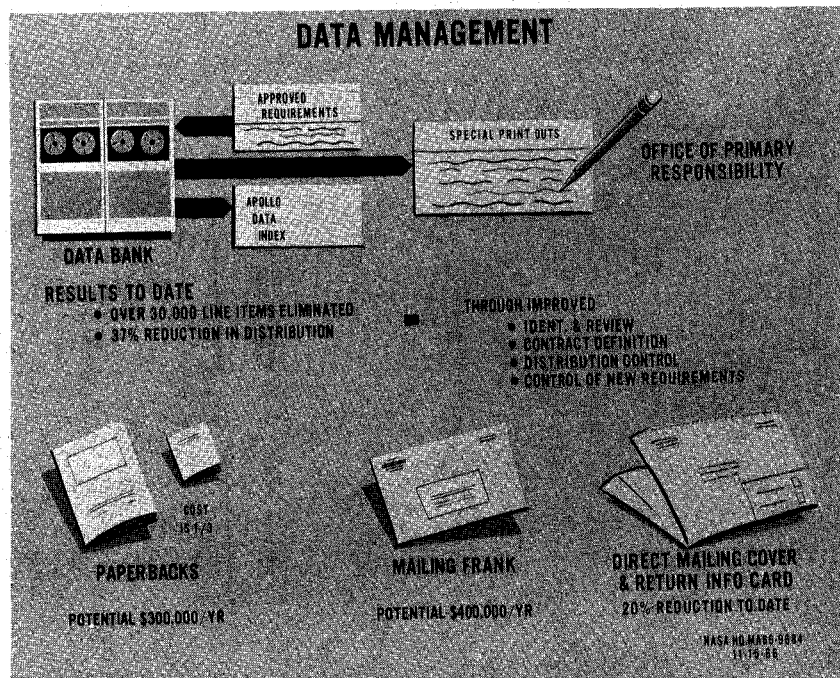


FIGURE 56

cost guidelines and cost criteria in data management are being applied to Apollo and other Manned Space Flight programs at a resulting reduction in data cost.

Other data management progress has been achieved through the initiation of data value engineering, data preparation standards, an automated cost summary system, and maximum use of Apollo-generated data.

Configuration management

We have been implementing the techniques and disciplines of configuration management on Apollo for the past several years. These methods of managing the adequacy and accuracy of each major element of Apollo hardware and software have provided us with the technical design requirements and hardware baselines on which our research and development is based.

We have instituted rigid change control disciplines at all Center and contractor levels to minimize the number of changes being made and approve only those absolutely necessary (fig. 57, MA65-9332).

LOGISTICS

Development of the Apollo Saturn logistics base during the past year has resulted in identification and implementation of the various elements of the support program as they apply to the mission. The Apollo Logistics Requirements Plan, which established the principles of the logistics base, has become the guideline and evaluation medium for the Manned Space Flight Centers and contractors.

The need for early, adequate, and continuous emphasis in the logistics support areas was acknowledged and underscored during the NASA Manned Space Flight Logistics Symposium at Huntsville, Alabama in August. The symposium was attended by top management from NASA, the Department of Defense, and industry.