

The 7030 Data Processing System is a very large, high speed data processing system designed to exploit new technologies and advanced developments in both components and system organization. It is designed to fulfill three basic markets.

1. Computing, largely scientific in nature, requiring very high speed and large capacity. This includes:

- a) Atomic Energy - Applications involving the design and simulation of nuclear weapons and reactors.
- b) Aircraft - Applications involving the design and simulation of aircraft power plants and airframes, the simulation of control systems, flutter analysis, wind tunnel data reduction, advanced rocket and ballistic missile design, complex astronomical studies dealing with orbital calculations and space navigation.
- c) Military Applications - applications involving the design and simulation of real time and/or direct data input systems and the systems themselves. The various "L" systems contracts now being negotiated by the Department of Defense typify these applications.

2. Data Processing requiring either larger capacities than are available with the smaller 7000 series machines or:

- a) The inventory control problems often associated with Federal Government activities.

- b) Real time production control of large single or multiple production facilities.
- c) Cooperative multiple customer installations.
- d) Data Processing combined with large computing applications.

3. The special contract with the Atomic Energy Commission and the proposed contract with BuShips.

The growth of data processing and the concurrent revolution in methods and techniques has been rapid and extensive. Many of our customers have found that their long range computing requirements are developing more rapidly than was previously expected. These requirements exceed the capacities of our currently available equipment. The IBM 7030 Data Processing System is designed to satisfy this market.