# NETWORK SECURITY

## FROM GEC-MARCONI SECURE SYSTEMS

The increasing growth in Information Technology and the creation of data networks throughout government, commerce and industry has brought with it the problem of protecting sensitive information.

GEC-Marconi Secure Systems has been involved in the security aspect of network management for over 40 years and can offer this experience to clients in the form of network security solutions from consultancy through to system implementation, training and after sales support.

# WORLDWIDE INFORMATION SECURITY

## GEC-Marconi
Secure Systems

# N E T W O R K   S E C U R I T Y

## FROM GEC-MARCONI SECURE SYSTEMS

With the recent increases in computer crime the number of companies and other establishments requiring data security has grown enormously. Some of the obvious targets include banks and finance houses, government services and large multi-national companies. In fact, anyone using a data network to move sensitive information is at risk.

There are various ways of protecting networks and the techniques employed to do so depend on both the application and the perceived threat.

Three main areas of protection may be defined as shown below:

ACCESS CONTROL    A technique used to control and monitor a system and only allow access to authorised users.

ENCRYPTION    Used to prevent unauthorised eavesdropping.

AUTHENTICATION    Used to prevent the injection of false messages into the system and also to prevent natural data corruption from causing chaos.

The GEC-Marconi Secure Systems solution to network security may consist of any combination of the three areas outlined above.

GEC-Marconi Secure Systems network security solutions are based on a set of system security requirements as shown below:

- The amount of sensitive data to be handled by the network should be minimised.

- The implementation of the security system should not add to the network's operational complexity.

- The security system must be capable of withstanding the effects of significant network growth.

- The reliability of the network must not be prejudiced by the addition of security.

By adhering to these requirements our secure systems can provide the most convenient and cost effective solutions to all types of network and system security problems.

An excellent record in the specification, design and implementation of large systems in the area of Information Technology security is evidence of our total systems capability. A wealth of experience on many different projects has kept the company at the leading edge of secure systems technology. GEC-Marconi Secure Systems has provided secure sub-systems for international EFTPoS (Electronic Funds Transfer at Point of Sale) banking networks as well as substantial military and commercial data networks.

For further information please contact the sales office at the address below.