

B-76

Electronic Number Guidance Method

With the spread of telephones to general households, the number of problems (guide waiting time, operator burden, increase in paper resources) of a directory service operation performed using a telephone directory have become remarkable. In order to solve these problems, Nippon Telegraph and Telephone Corporation has implemented a robust system capable of creating a telephone directory database, appropriate from ambiguous information, and a 24-hour service, and has introduced it to commercial services.

B-77

OSI Communication System

Various software and communication boards corresponding to the OSI reference model were developed and commercialized for the first time in the world, contributing significantly to the realization of high-speed, high-reliability inter-computer communication in Japan.

B-78

Intelligent Information Communication System Design Method

The effective use of valuable design knowledge and design information held by excellent designers and engineers, and a knowledge-based design methodology based on the concept of improving the flexibility and robustness of the architecture of user-oriented information communication system have been established. An agent-oriented distributed processing system development support environment and prototype have also been developed, playing a leading role in the development of design methods that effectively support intelligent information and communication systems that will be the infrastructure of a networked society, and in the advancement of applied technologies.