

In the systems engineer category, the six hour examination tests IP system design skills and knowledge of hardware, software and related knowledge, through short answer, multiple choice and fill-in-the-blank questions. The senior programmer five hour examination tests program design skills, program preparation skills and hardware, software and related knowledge. The programmer examination looks at program preparation, software, hardware and related knowledge. The programming languages used in the exams are Assembler (CAP-X), Fortran, Cobal and PL/I. MITI is also thinking of making an enhanced version of BASIC into a Japanese industrial standard. If this happens, then this language would be included in JITEC tests in future. Furthermore, JITEC is looking to include higher grades of certification in future.

Examinations now are aimed at a knowledge of large computers. No test for microcomputers has yet been devised. The emphasis in tests designed for the higher certification grades (e.g., systems engineers) is on business applications. In general, testing is aimed very much at standardization in the quality of engineering - that the basics be well known. The ability to innovate/develop new approaches is not tested in the present examinations.

## **MINISTRY OF INTERNATIONAL TRADE AND INDUSTRY**

### **Contacts**

Mr. M. Watanabe	Director, Americas - Oceana Division
Mr. K. Sato	Americas - Oceana Division
Mr. Y. Honda	Director, Electronic Equipment Division
Mr. T. Matsui	Assistant Director, Electronics Equipment Division
Mr. N. Kohno	Information Processing Promotion Division