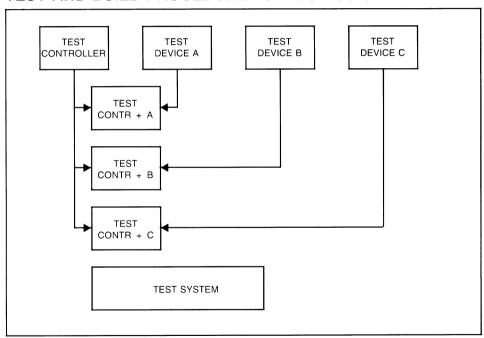


SYSTEM BUILDING AND IEC 625 FAULT DIAGNOSIS

9499 997 00511

830104

TEST AND BUILD PROCEDURE FOR IEC-BUS SYSTEMS



- Address setting correct?
- Delimiters correct?
- Talk only Listen only switch correct?
- SRQ switch correct?

After building-up, run a simple program to check the input and output!

FAULT-FINDING IN IEC-BUS SYSTEMS

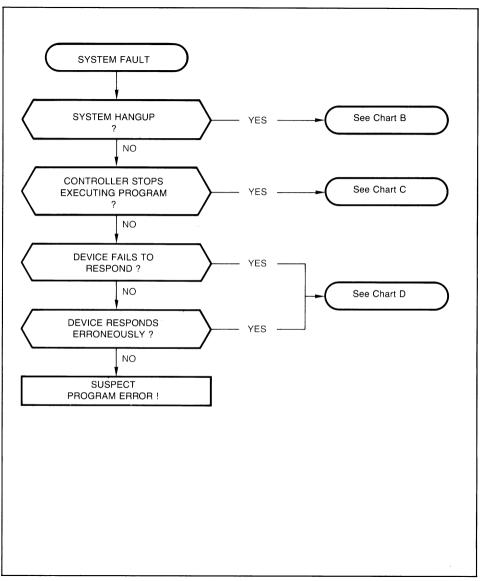


CHART B

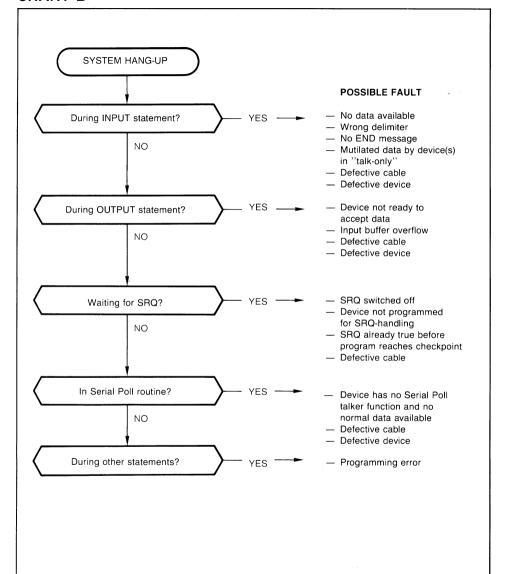
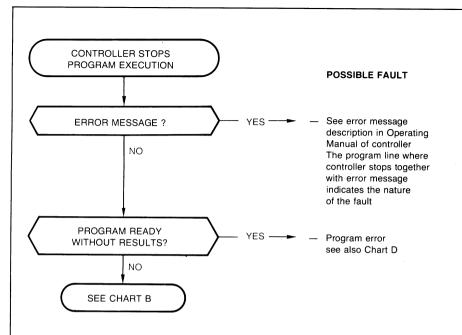
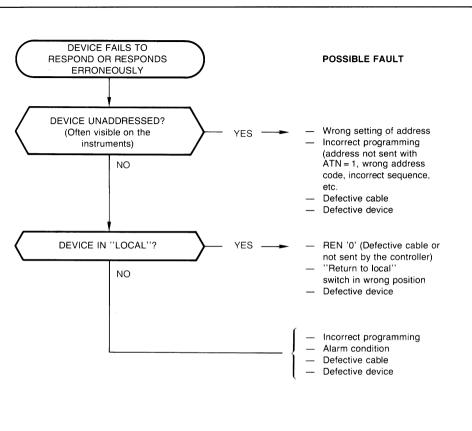


CHART C



NOTE: A program stop and a system hang-up can be caused by the same phenomena. It is therefore not always possible to see the difference.

CHART D



PROGRAM ERRORS

Most frequent program errors are:

I/O ERRORS

- False message coding
- Wrong delimiter
- Code and format errors
- Wrong address programmed
- Incorrect program/command sequence
- Input buffer overflow
- String overflow
- Handshake time out, when no data is available

NON-I/O ERRORS

- Jump to wrong program part
- Incorrect calculations
- Incorrect SRQ handling
- Incorrect sequence
- Incorrect coding