

Beta 512 Annunciators

This four-day course begins with a look at fundamentals of annunciators. A review of common annunciator digital circuits is provided. An overview of the NSSS is also presented. The detailed operation of the scanners, main controllers, auxiliary controllers, and annunciator output modules is emphasized. The operation and programming of the system via the Remote Configuration Workstation is also covered. The troubleshooting techniques used on the system are described in detail.

I. Introduction to Annunciators

- Purpose of Annunciators
- General Annunciator System Operation

II. Overview of the Beta 512 System

- Scanner Cards
- Main Controller
- Auxiliary Controller
- Logic Backplane
- Code Operated Switch
- Auto Transfer Switch
- Printer Strip Panel
- Ground Detector
- Annunciator Output Modules
- Window Boxes and Joysticks

III. Scanner Cards

- Block Diagram
- Point Numbering
- Power Supplies and Connections
- Scanning
- Signal Processing and Flowpaths

IV. Main Controller Card

- Block Diagram
- Power Supplies and Connections
- Signal Processing and Flow Paths
- Synthesized Points

V. Auxiliary Controller Card

- Block Diagram
- Power Supplies and connections
- Signal Processing and Flowpaths

VI. Annunciator Output Modules

- Block Diagram
- Power Supplies and connections
- Signal Processing and flowpaths
- Window and Lamp Numbering
- Window Boxes
- Joysticks

VII. Remote Configuration Workstation

- Connecting the Workstation
- Programming, Setup and Configuration
- Major Commands

VIII. Troubleshooting Techniques

- Use of Schematics
- Error and Reset LED's
- Ground Isolation Switches
- Strip Printer Panel Use
- Remote Configuration Workstation
- Joysticks and Test switches