



ii. DFOS STREAMER CONTROL SYSTEM Cont.

The status processing function receives status and error information from the streamer interface via parallel data bus. It stores an error threshold for each error type that is received from the control function. If any error threshold is exceeded, the control function is interrupted. The status and data bits are displayed on an LED display panel.

The control function allows operator commands and configuration to be input via video display terminal. It maintains the system software that controls the application of the configuration commands to the streamer interface, data I/O interface, reproduce data, streamer simulator and status processing functions via control bus. Configuration and control of the signal processing function are provided via a RS-232 serial link. The display terminal is also connected to the control function via the RS-232 interface.

The control function provides an interface to a Winchester hard-disk unit to facilitate storage and control of system software. A floppy disk unit is provided to back up the Winchester and download new software releases. A line printer provides hard copies of configuration disk files.