

- d. To date, IP addresses 1 - 9 have been reserved for Router interfaces, and 10 - 19 for locally attached LAN Manager Servers within the subnet. The end system host address portion should be equal to or greater than 20.

9.3 Concentrators

- a. The primary building block of SIGNET's Local Area Networks will be the concentrator. Concentrators provide the necessary connectivity from the user's desk to the backbone and subsequently the SIGNET WAN environment. Due to the various configurations of concentrators, (single 12-port boxes, multiple chassis, several cards per chassis) a naming structure for concentrators should relate to the implementation of the device. A port should be easily identifiable as port 2 on card 3 via its associated name. Closer examination of the concentrator naming schema must be performed upon award of the Network Elements standing offer.
- b. In order to meet the distance requirements of the structured cabling, a 2 level hierarchical structure of concentrators will generally be deployed with a primary concentrator providing connectivity to secondary concentrators which in turn provide connectivity to end systems. Some locations, depending on their requirements, will have service via a primary concentrator only.
- c. In order to distinguish between a primary and secondary concentrator the prefixes P and S will be used followed by a 3 digit numeric. These 3 digits will provide a counter for incrementing the primary and secondary concentrator counts. This P/S prefix and 3 digit counter will provide a unique naming convention within the SIGNET Enterprise Network. Management of the naming architecture and logical network location will be a necessary function of the network elements inventory tracking system.

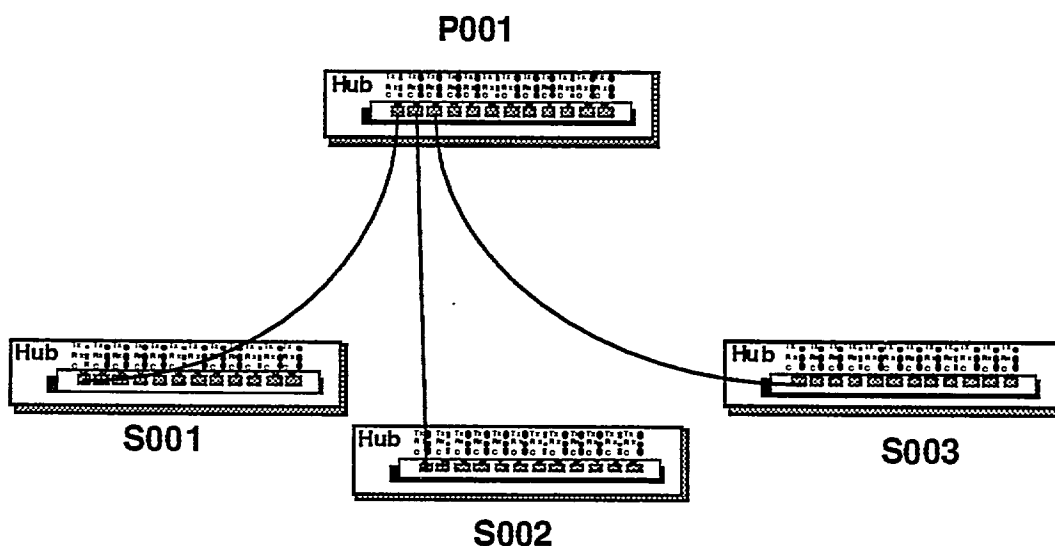


Figure 9.5: Primary/Secondary Concentrator Naming