

June 1974

To Recipients of the Bell System Voice Communications Technical References:

Since the Technical References for Voice Connecting Arrangement CED was last issued (April 1970), the Bell System has implemented a new service called TSPS for operator handled toll calls in some areas. As a result, Paragraph 2.1 under System Design Considerations should be amended to include information on TSPS operation. A revised paragraph 2.1 is attached and should be inserted behind Page 2 of the Technical Reference for Voice Connecting Arrangement CED.

2.1 Voice Connecting Arrangement CED

Voice Connecting Arrangement CED provides a means for automatically connecting a customer-provided dial communications system to a Telephone Company toll switchboard position operator. This arrangement handles calls in either direction and is intended for coupling voice signals only. A talking path is established over the transmission leads. Two additional sets of dry contacts are provided to the customer to provide a dry contact over a pair of leads for service request indication and answer/disconnect supervision.

Voice Connecting Arrangement CED is only available in those areas where the Telephone Company provides conventional long distance switchboards. These switchboards are gradually being eliminated in favor of an improved service, provided through our Traffic Service Position System (TSPS). Since operator assisted toll calling is predominately used in the Hotel-Motel industry, the term Hotel-Motel as used in the following should be considered as representative of the class of customers using this service.

Unlike toll switchboards, the improved TSPS service does not use directly terminated trunks. Therefore, CED cannot be used in areas served by TSPS. In these areas, Hotel-Motel toll calls are placed over a special group of central office trunks. Guests are typically instructed to access these trunks by dialing "8" and (after second dial tone) 0-, 0+, or 1+ the DDD number. The call will be automatically intercepted by the TSPS operator prior to completion.

The operator will request the calling party's room number and key it into the TSPS system, so that time and charge information can be automatically calculated.

The special group of trunks terminate in conventional central office line circuits and, therefore, either CD8 for loop start operation or CDH for ground start operation are possible choices for voice connecting arrangements.

In addition, there are two methods of receiving billing information:

1. "Auto-quote" service can be provided by installing a teletype at the Hotel or Motel. With this service, billing information is printed at the customer's location shortly after each call has been completed.
2. "Voice-quote" service involves the use of a teletype on Telephone Company premises. Telephone Company personnel will monitor the teletype and periodically call the Hotel or Motel by way of their local incoming trunks to transmit billing information.

If you are a manufacturer of equipment which may be used in the Hotel-Motel environment, you should investigate the compatibility of CD8 and CDH with your equipment for use in areas served by TSPS. For information on the type of operation available (long distance switchboards or TSPS via CD8 or CDH) at a specific installation, your customer should contact his local Telephone Company Business Office or Marketing representative.

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