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Summaries

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Line selector LW 700 compact

R. Burkhard, Solothurn

In autumn 1986, a new line selector LW 700 compact will be introduced in the series of LW 700 equipment. This can be employed in the existing LWA and LWB as well as in the new equipment. It is designed for five subscriber lines and for a maximum of ten internal line selections. It is easily programmable in accordance with user requirements. A typical application illustrates the flexibility of the new equipment such as the combination of LW 700 with a modern telephone exchange.

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Development of the hybrid earthing at the PTT from 1976 to 1986

E. Montandon, Berne

During the past decade the requirements of earthing and installation have changed in order to improve electromagnetic compatibility (EMC) due to increased use of digital systems. In fact, there exists today a new earthing and installation strategy designated as hybrid earthing. Due to this strategy it is possible to employ new equipment in a better defined environment, whereby the requirements of interference emission and sensitivity are clearly specified and controlled. This paper shows the design of hybrid earthing, the main technical aspects and their effectiveness. It illustrates the interdisciplinary tasks of the EMC specialists. These tasks require an overall approach so that the EMC guidelines serve the equipment and not vice versa.

p. 380...388

Up-dated equipment to determine service quality of the Swiss telephone network

H. Gfeller, Berne

This paper shows the steps taken to monitor service quality of the Swiss telephone network. The author presents the up-dated equipment for determination of quality with service computer and with required software. The paper concludes with an outlook on the monitoring of service quality in digital exchanges.

News Items

Telephone

A new **compact line selector LW 700** will be available in elegant Tritel design from September onwards.

The **operational trial** started with the first **digital switching equipment EWSD** from Siemens at **Berne/Ittigen** exchange at the end of June. Hasler Co. delivered the first digital **transit exchange AXE-10** to the PTT's Lucerne regional telecommunications directorate.

Five additional telephone circuits were established with foreign countries, Hong Kong (3) and South Korea (2), via Leuk earth station in June.

Teleinformatics

Six public videotex terminals were installed on an experimental basis at the post offices of Chur, St. Moritz, Davos Platz, Flims Dorf, Pontresina and Scuol. From 27 June, customers can receive information especially on postal coach connections at these terminals.

New **software for Telepac** (Swiss packet switching network) exchanges is foreseen for September. This will allow **additional international traffic links**. Besides, additional services can be offered for the CCITT X.25 connections as well as for preferred closed user groups and permanent connections.

Radio, Television

Due to encouraging results during the operational trial, the **radio paging service Local Paging B** (tone only, transmission of numeric characters) with additional **Infobox** service was **definitely** implemented in the urban areas of Geneva, Lausanne, Basle, Berne, Zurich, St. Gallen, Lucerne, Winterthur, Thun, Interlaken, Grindelwald, Bellinzona and Davos on 1 June.