Zeitschrift: Technische Mitteilungen / Schweizerische Post-, Telefon- und Telegrafenbetriebe = Bulletin technique / Entreprise des postes, téléphones et télégraphes suisses = Bollettino tecnico / Azienda delle poste, dei telefoni e dei telegrafi svizzeri

Herausgeber: Schweizerische Post-, Telefon- und Telegrafenbetriebe

Band: 65 (1987)

Heft: 6

Rubrik: Summaries and notices

Summaries and Notices

Summaries

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Introduction of the CCITT signaling system No 7 into the Swiss telecommunication network

W. Zach, Berne

In this article, the author describes the introduction of the CCITT signaling system No 7 into the national telecommunication network. He shows the requirements of the signaling network and describes the structure of the national No 7 network, the principles of signal rerouting, the numbering plan for signaling point (SP), the present dimensions of the network and the procedure for introduction.

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An outline of customer premises switches

H. Stieger, Berne

When procuring customer premises switches in the 70's, it was of foremost importance to replace the relay and dialing system by electronic stored program control equipment with analogue through connection. Since some years the customer can demand an uninterrupted supply of high performance systems for extension up to 3000 circuits. Since the beginning of the 80's, the transition has taken place from analogue to PCM technique. In a short time, the supply in the total extension area must be converted to the new technology. The report shows the situation for the procurement of digital customer premises switches in Switzerland. This article basically corresponds to the presentation of the author on the occasion of the Telecom seminar on 20 January 1987 at Regensdorf.

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Centralized operation of IFS digital exchanges

J. Röthlisberger, Berne

The exchanges of the future telecommunications network IFS are based on the systems AXE 10, EWSD, and System 12 supplied by Hasler, Siemens-Albis, and Standard Telephone and Radio in Switzerland. The author describes the proposed measures at the PTT regional telecommunications direcotrates who will ensure operation of these new digital exchanges. He deals especially with the aspects of change from local to centralized operation of IFS digital exchanges such as task area, organization, personnel employment and requirement as well as duration of training.

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The system 12: a digital telecommunication exchange for Switzerland

R. Metzger, Zürich

System 12 is a digital exchange that meets the requirements of all types and sizes of exchanges. The system architecture is based on systematic modular structure with distributed control. This architecture allows the employment of very large-scale integrated circuits and modern software technology. Extension and new performance, such as ISDN, can be realized by the introduction of the corresponding module. Operation and maintenance are conducted with video terminal which can be placed locally or at the operational centre. The article describes the essential characteristics of the system.

News Items

Telephone

Pro Telecom together with the telecommunications industry and the PTT is conducting a **publicity campaign for the increased use of the telephone directories** from 24 April to 19 June 1987. Eleven TV spots are planned in two series. There will be a contest with prices, such as a two-weeks vacation for two persons in Hawaii or in the Maledive Islands, ten TV sets and 1000 charge cards.

The **mobile exchange installation** equipped with 20 telephone lines served well at three large events. It will now be available to all the PTT regional telecommunication directorates.

Since 1 April the **International Direct Dialling (IDD)** has been extended to Rwanda.

Teleinformatics

On 1 May, the **music telegram** with the melody 'happy birthday', introduced in 1984, got a new theme, fireworks instead of the choir. More than half a million such telegram letters have been sold since the introduction.

On 1 April, six direct **telex lines between Zurich and Saana** came into operation. They are partly linked via satellite between France and the Republic of Yemen.

The **teletex service with Belgium** was opened in the month of April.

Radio, Television

On 1 April, nine new VHF/FM stereo broadcasting transmitters for the Swiss Broadcasting Corporation came into service.

A new Eurosignal transmitter was brought into operation at the St. Chrischona multipurpose station to improve the **call signals** in the **agglomeration of Basle.**

A **symposium on the theme 'more productivity through artificial intelligence'** took place at the Universities of Geneva and Zurich, on 8 April. For this occasion, satellite receive equipment was installed with 2.4 m and 3.0 m diameter antennas, respectively. The program produced by **Texas Instruments** in Dallas (USA) was transmitted via satellite, uncoded in NTSC standard, converted to PAL standard in Great Britain and then rebroadcast via Intelsat VA F-11 (27.5° W). This program was received at eleven different locations in Western Europe. Further interested people of North and South America also participated in this symposium via satellite.

Miscellaneous

The organization committee of the **15th International Television Symposium Montreux,** taking place from 11 to 17 June 1987, announced in a press release that **contrary to circulating rumours the symposium will also be held in future within the present scope.** In 1989, a greatly extended area will be available to the technical exhibition, in addition, held in parallel to the symposium.