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: 71 (1993)

Heft: 5

Rubrik: News Items

News Items

Telephone

The *SDH pilot installation Sybnet* of the synchronous basic communication network was put into operation the beginning of March. It is thus available for tests. The pilot installation was set up in the Lausanne telecommunications office in a ring configuration which connects the transmission offices of Savoie, Renens, Valency and Ecublens with a transport capacity of 622 Mbit/s via optical cable installations. The construction was the task of *Siemens-Albis* as general contractor, while *ECI* (Israel) delivered the network nodes with the corresponding management system. Sybnet is connected with the pilot installation of the *Syanet* synchronous connection network in the Ecublens transmission office which is accessible to the federal institute of technology and the University of Lausanne via glass fibre connections. Via Syanet and Sybnet respectively paths with different transmission capacities for narrow and broad band services can be supplied by computer control and thus in a flexible way. In this early phase and in close cooperation with the industry, decisive basics are to be gained with the both pilot installations for the design of the future SDH transport network. Thereby the tests of the network management aspects and the protection circuit concepts are in the foreground.

Twelve further Natel C base stations were put into operation and *18 base stations* set up for Natel D GSM.

On the occasion of the Geneva International Motor Show, the *Natel D GSM* digital mobile telephone system *was officially introduced in Switzerland.* The PTT Telecom was represented at the Salon with a booth at which the visitor was given advice and subscriptions could already be concluded. At the booths of 15 suppliers of Natel equipment, one could test as well as buy the different models of GSM mobile equipment. The *toll free number 155 64 64* was put into operation on 1 March together with the commercial introduction of Natel D GSM. Via this number interested persons can receive information about Natel and Telepage and the corresponding documentation can be ordered. Depending on network areas the call will be passed on to one of the Mobilcom Info Centres in Olten, Lausanne or Bellinzona.

Teleinformatics

23 digital lease lines ($18 \times 64/56$ kbit/s, 4×128 kbit/s, 1×512 kbit/s) and one analogue lease line were put into operation by the *lease line control centre* (MLKZ).

On 1 March, the *Telepac data network* was connected world wide with 105 countries in which 170 networks with a total of 229 different Data Network Identification Codes (DNIC) can be reached.

Radio, Television, Radiocommunications

Three *FM broadcasting transmitters* were definitely put into operation on the *Melchtal* station. They supply this same place with the DRS 1 (93.3 MHz), DRS 2 (90.5 MHz) and DRS 3 (95.3 MHz) programmes.

Both the temporary microwave radio link of *Mauborget – Onens* and *Bernex – Peney* were put into operation with a capacity of 4×2 Mbit/s each. Both links serve as feeder of Natel base stations and will remain in operation until the end of 1993.

A new *140 Mbit/s microwave radio link Brig–Zermatt* was put into operation within the framework of the 'Network 2000' concept.

The following satellite connections were set up in the *Intelsat network* via the Leuk satellite earth station: one connection each of the IDR type (Intermediate Data Rate) at 2,048 Mbit/s with *Kuwait* (60° east), *Chile* and *Israel* (both 335.5° east) as well as two voice circuits of the FDMA type (Frequency Division Multiplex Access) with *Argentina* (335.5° east).

La Chaux (Cossonay), Malix, Merishausen, Müllheim and *Thayngen* have been made accessible with one transmitter each for *Telepage Swiss* (formerly called local call B).

Miscellaneous

The results of the project *Information Strategy Planning (ISP)* for the PTT Telecom concerns the presentation of the demand for information, the definition of the core performance processes, the development of the data model and the application architecture with the application modules for the PTT Telecom. The strategy will be implemented within a 5 year's plan. Important decisions have been set with the begin of the 'Basic Customer System' and 'application cluster TEDIS/ISLK/T2.1/CURU' projects.

The *15th conference of the ETSI work group RES 2* (equipment specifications for the land mobile radio service) took place in *London.* At the conference standards on technical specifications for the land mobile equipment with analogue voice, data transmission and integrated antenna as well as a recommendation for technical specifications on measurement uncertainties were cleared up to a great extent.

The *technical committee TM of ETSI* met in Rapperswil, chaired by the Swiss PTT. Various standards, among others for ISDN, were adopted and objections dealt with. An important standard for the availability of the transmission network had to be refused for urgent revision. One subject constituted the conversion of the recommendations of the SRC4 committee, 'ETSI Strategic Review Committee', in the standardization work. This consisted of leading persons of European telecommunication enterprises and dealt with the standardization in public networks.

The *8th meeting of the European Radio Committee (ERC)* took place in *Bonn.* It was agreed upon that from now on the ERC should also adopt decisions which have a more binding character than pure recommendations. Thus it is planned that corresponding EC guidelines will be amended by ERC decisions which are also valid outside the EC. Among others the following ERC decisions and recommendations were adopted at the meeting: the decision about the digital short range radio DSRR as well as the recommendations about the provision of a harmonized frequency band for future security applications, about terrestrial based digital audio broadcasting T-DAB, about harmonized test procedures for marine radio certificates, about the free circulation of TRAK-SAT terminals and about the free circulation of Inmarsat M terminals.