**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:** 70 (1992)

Heft: 2

Rubrik: News Items

## Nutzungsbedingungen

Die ETH-Bibliothek ist die Anbieterin der digitalisierten Zeitschriften auf E-Periodica. Sie besitzt keine Urheberrechte an den Zeitschriften und ist nicht verantwortlich für deren Inhalte. Die Rechte liegen in der Regel bei den Herausgebern beziehungsweise den externen Rechteinhabern. Das Veröffentlichen von Bildern in Print- und Online-Publikationen sowie auf Social Media-Kanälen oder Webseiten ist nur mit vorheriger Genehmigung der Rechteinhaber erlaubt. Mehr erfahren

### **Conditions d'utilisation**

L'ETH Library est le fournisseur des revues numérisées. Elle ne détient aucun droit d'auteur sur les revues et n'est pas responsable de leur contenu. En règle générale, les droits sont détenus par les éditeurs ou les détenteurs de droits externes. La reproduction d'images dans des publications imprimées ou en ligne ainsi que sur des canaux de médias sociaux ou des sites web n'est autorisée qu'avec l'accord préalable des détenteurs des droits. En savoir plus

#### Terms of use

The ETH Library is the provider of the digitised journals. It does not own any copyrights to the journals and is not responsible for their content. The rights usually lie with the publishers or the external rights holders. Publishing images in print and online publications, as well as on social media channels or websites, is only permitted with the prior consent of the rights holders. Find out more

**Download PDF:** 19.11.2025

ETH-Bibliothek Zürich, E-Periodica, https://www.e-periodica.ch

# News Items

## Telephone

The following permanent voice circuits were put into operation in the *Intelsat network:* three with the *Arab Emirates* via the Leuk-3 (60° E), three with *Uruguay* via Leuk-2 (325.5° E) and four with the *Ivory Coast* via Leuk-2 (335.5° E) earth station.

21 base stations of the phase 3 were put into operation for Natel C.

### **Teleinformatics**

The international traffic has been opened on the Swissnet 1. The traffic between the customer on foreign networks and Swissnet is thereby not submitted to restrictions anymore. The offer includes circuit-switched digital transmission service on 64 kbit/s.

# Radio, Television, Radiocommunications

The St. Moritz-Scuol trunk network microwave radio link with a transmission capacity of 140 Mbit/s and the Albis-Zürich/Selnau link with a capacity of  $4 \times 140$  Mbit/s were put into operation. The latter serves as second connection of the area 01 on the trunk network until the Binz switching centre is operational in 1995. In the district network, the Brig-Zermatt link was put into operation with a transmission capacity of 140 Mbit/s. It serves to bridge the capacity bottleneck caused by the rock slide near Randa and replaces the district network connection planned for 1992. In the connecting system, the following connections were put into operation: Lugano/Cinque-Vie-San Salvatore (34 Mbit/s) for feeding the radio station, Andeer-Lohn (4×2 Mbit/s) as Natel C supply and in Zurich a leaseline in the city region  $(4 \times 2 \text{ Mbit/s})$ . In addition, in order to increase the number of lines, the temporary radio link Kronberg-Hundwil with a transmission capacity of 8 Mbit/s was put into operation. It will remain operational presumably for three years. Between the Sissach and Liestal and the Wettingen and Neuenhof telephone exchanges as well as between Neftenbach and the Winterthur multipurpose station temporary links were put into operation with a capacity of 34 Mbit/s each for operational durations from one to six years.

The Eggberg and Waldshut FM transmitters were provisionally put into operation. Both of them – regulated by contract in 1990 – were set up on 'Südwestfunk' Broadcasting Stations in Germany. They are to improve the supply for the regions along the Rhine River from Kaiseraugst/Rheinfelden to Zurzach on the 100.5- and 102.0-MHz frequencies with the DRS 1 programme and, above all, with the Aargau/Solothurn regional news. Both stations transmit the programme in mono, as they are disturbed considerably by stations of neighbouring frequencies.

The *FM radio station* in the new multipurpose station *Bergli in Glarus* was provisionally put into operation with the DRS 1 programme for a test phase.

On the *Frauenfeld* station three new *television transposers* were put into operation. They supply Eschikofen, Felben, Frauenfeld, Hüttlingen, Mettendorf and Wellhausen on the channels 42 (SF DRS), 45 (TSR) and 51 (TSI). In addition, three new *television transposers* were set up on the *Entschwil* station. They serve Entschwil, Grossmattli, Horboden and Riedern with the DRS, TSR and TSI programmes on the channels 33, 36 and 38.

Additional 36 towns were newly opened up for the citycall B paging system.

## Miscellaneous

The third satellite of the Eutelsat II series was successfully launched into a transfer orbit with an Atlas II vehicle. In the meantime it has been drifted to its definite position in the geostationary orbit and at the same time has undergone a series of tests. It began operating in the second week of January. It will be used mainly for the transmission of television signals. Thus, seven satellites are now available for the Pan-European communication between 28 member and nonmember countries of Eutelsat - three Eutelsat II and four Eutelsat I. In 1992 two further Eutelsat II are to be put into operation

Two action groups and seven working groups of the CCIR study commission 11, who have been dealing with radio and television, met in Geneva. In the work meeting, taking place for the first time according to the new organization, the

more than 200 contributions received from the administrations were studied, and drafts of new recommendations, questions and reports intended for the study commission 11 were adopted.

The RES committee (Radio Equipment and Systems) of the ETSI (European Telecommunications Standards Institute) met in Taastrup (DK). It adopted both (European Telecommunication **ETSs** Standards) for portable VHF maritime transmitters and paging equipment as well as an I-ETS (Interim-ETS) for a binary selective call system. Furthermore, the committee dealt with current problems from the following areas: digital cordless transmission system (DECT), terrestrial airplane telephone system (TFTS), mobile digital trunking radio systems (MDTRS), small radio systems, universal mobile telecommunication system (UMTS) as well as electromagnetic compatibility (EMC). Corresponding standards are to be submitted in the years 1992 to 1994.

The 9th meeting of the ETSI working group RES 2 (equipment specifications for mobile land radio service) took place in Prague. Drafts regarding future standards for equipment with integrated antenna were reassessed. Furthermore, the working group had the task of working out measuring methods for RLAN (Radio Local Area Network).

The 6th meeting of the ETSI working group TM 4 (Digital Radio Relay) took place in Athens. The activity programme recommended by Switzerland concerning the Network Management Interface was adopted. Swiss PTT's proposals for specifications of specific antenna parameters were agreed upon, too. The SDH report (Synchronous Digital Hierarchy) was supplemented with the management functions. The problems with the CCITT recommendation 682x (availability of microwave radio link transmission) were not able to be solved as the CCITT were meeting at the same time in Australia in order to review the specifications. With the 18-GHz systems, the 4 PSK (Phase Shift Keying) modulation or the 16 QAM (Quadrature Amplitude Modulation) methods are to be discussed. The report for systems with 30-MHz channel interval was revised. A first draft of standards should be available after the next meeting.