

Zeitschrift: Comtec : Informations- und Telekommunikationstechnologie = information and telecommunication technology

Herausgeber: Swisscom

Band: 78 (2000)

Heft: 11

Rubrik: News

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: 04.08.2025

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

TETRA

Standard to be enhanced

The European Telecommunications Standards Institute (ETSI) has approved further enhancements of the TETRA standard to position TETRA in the 3G market place. TETRA Release 2 will offer new features such as new multi-media services, high-speed data rates, 3G compatibility and roaming.

TETRA (TERrestrial TRunked Radio) is the ETSI standard designed for a new generation of digital land mobile radio communications. It combines the unique aspects of Private Mobile Radio (PMR) and Public Access Mobile Radio (PAMR) with those of public wireless telephony (cellular) and public packet-data services, which allows one terminal device to meet all the communication needs of mobile workers like public safety, military and other professional users.

Karl Heinz Rosenbrock, ETSI Director-General, states: "The enhancement of the TETRA standard demonstrates the ongoing commitment of ETSI to this technology. This decision will ensure that the investments made by manufacturers, network operators and users will be protected for many years to come, and that the TETRA standard will have its place alongside future 3G technologies." Phil Godfrey, Chairman of the TETRA MoU Association, said: "The membership of the MoU will be delighted that ETSI has taken this decision. Users and industry alike will have the confidence of knowing that TETRA will continue to satisfy user needs well into the next decade."

Requirements

TETRA Release 2 will incorporate additional features in accordance with the following requirements:

- Evolution of TETRA to provide higher speed packet data in support of multi-media and other high speed data applications required by existing and future TETRA users.
- Selection and standardization (as appropriate) of an additional speech codec (or set of codecs) for TETRA, to enable intercommunication between TETRA and other 3G networks without transcoding, and to provide enhanced voice quality for TETRA by using the latest low bit rate voice codec technology.
- Further enhancements of the TETRA air interface standard in order to provide increased benefits and optimization in terms of spectrum efficiency, network subscriber capacity, system performance, quality of service, size and cost of terminals, battery life etc.
- Production and/or adoption of standards to provide improved interworking and roaming between TETRA and public mobile networks such as GSM,

GPRS and UMTS, and other 3G/IP networks.

- Evolution of the TETRA SIM, with the aim of convergence with the Universal SIM (USIM), to meet the needs for TETRA specific services whilst gaining the benefits of interworking and roaming with public mobile networks such as GSM, GPRS and UMTS.
 - Extension of the range of TETRA up to 120–200 km, to provide increased coverage range and low cost deployment for applications such as airborne public safety, maritime, rural telephony and "linear utilities" (eg railways and pipelines).
 - Provision of new ETSI deliverables in order to support further user/market driven requirements that may be identified during study work in the early stages of the ETSI Project TETRA Release 2 work programme.
 - Ensure full backward compatibility and integration of the new services with the existing TETRA suite of standards, in order to safeguard existing and future investments by TETRA users.
- TETRA is receiving global acceptance, with contracts and/or commitments already in Western Europe, Eastern Europe, the Far East, Australasia, South America, Africa, the Middle East, Russia and China, and with strong interest also being shown in North America.

ETSI, Florence Pontieux
ETSI Press Officer, France
Tel. +33 (0)4 92 94 43 12
Fax +33 (0)4 92 38 49 32
E-mail: press@etsi.fr

Korrigenda

In der comtec-Ausgabe vom Oktober 2000 ist leider im Beitrag von Alex Jallian: «Telecommunication Investment Assessment Framework» auf Seite 15 das Bild 7 nicht vollständig abgebildet worden. Das korrekte Bild sieht folgendermassen aus:

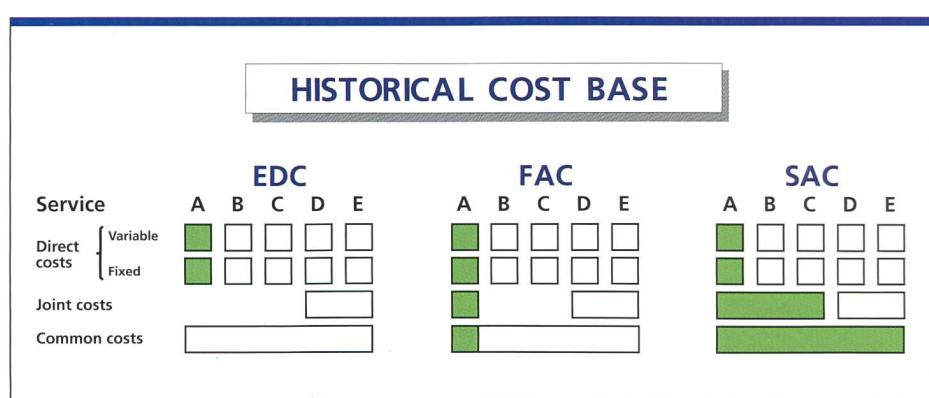


Fig. 7. Comparison between historical cost based methodologies.