Ing. František Verner

Partnerská účast Českých drah a.s. v pilotním projektu „Dopravní služby EU“ vzdělávacího programu Leonardo da Vinci Evropské unie
Participation of Czech Railways in the pilot project “EU Commercial Employees for Transport Service” in frame of the European education program “Leonardo da Vinci”

Czech Railways participated in solving of the pilot project “EU Commercial Employees for Transport Service”, aimed at passenger rail transport, in frame of the European education program “Leonardo da Vinci”. Coordinator of the pilot project were German DB, in addition to the CD the other participating parties were French SNCF, British South Central, Luxembourgeois CFL and Polish PKP Intercity. The target of the project with timing diagram since 1.11.2001 till 31.10.2004 has been the elaborating of the common European core curriculum and its following implementation into the secondary-school system of the partners' countries. Here the acquired competencies utilized in passenger transport occupations as conductor, cashier and tradesman of the Travel Center should be mutually recognized.

Ing. Petr David, Ph.D.

Racionalizace v oblasti řízení zásob – přechod k logistickému řízení
Rationalisation in the field of stock management – a transition to logistics management

The paper describes a strategy of logistics system development within CD. The aim is a management of a material flow in compliance with logistics principles and current trends. In this paper there are laid down basic objectives and a strategy for their achievement. The stress is laid on a work with a decoupling point within CD.

doc. Ing. František Orava, CSc.

K aktuálním problémům logistické efektivnosti v podmínkách ČD, a.s
Actual problems of logistics effectivity in conditions of ČD, a.s.

The paper describes strategic aims in the field of construction of logistical system in conditions of CD. This topic is focused on effective and logistical thinking. A definition of the logistics effectivity is a starting point which is basic for a definition of a controlling measurement in the logistics. Necessity of an implementation of manager accounting and observation of logistics costs are emphasized.

doc. Ing. Tatiana Molková, Ph.D.

Bezpečnostní certifikace na železnici
Certification issues in the railway transport

The paper deals with safety certification issues in the railway transport in connection with liberalization of access on railway infrastructure. Firstly development of European legislative and its interpretation in the Czech Law is investigated. Further there is analysed current practice in obtaining of safety certificate in the Czech Republic and its comparison with sitaution in other European countries. Finely process of implementation of the new safety directive is draw out.

Dr. Ing. Roman Štěrba

Benchmarking – nástroj ke zvýšení konkurenceschopnosti
Benchmarking – a tool for an enhanced competition

Benchmarking is the second most extended system of quality management in Western Europe. It is based on learning from more effective companies. In case of benchmarking it handles on the process and performance comparison among enterprises in order to acquire a new view and to recognize the opportunity for an improvement. Several railway enterprises on platform of International Railway Union realize the benchmarking in the interest of competitiveness improvement on the transport market.

Ing. Jan Zeman, CSc.

Emisní náročnost základních druhů dopravy v ČR
The emission intensity of basic transport modes in the Czech Republic

This paper figures out the emission intensity of basic transport modes in the Czech Republic in the 2002.

Ing. Jaromír Široký, Ph.D.

Podpora výlukové činnosti
The aid for exclusion activities

This paper deals with a problem of timetable quality, especially an exclusion diagram. This paper describes the elaboration of closures on the 2nd transit corridor in the sector Přerov - Česká Třebová and their fallout on the pervious capacity of the sectors in closure. There are elaborated total delay-times in both directions on the sector Olomouc - Česká Třebová. There are also mentioned deviations of trains and the correlation coefficient of bundling.

Ing. Jan Hrabáček – Ing. Petr Vaněk

Periodická doprava v celosíťovém měřítku
Periodic transport within whole network

Periodic schedule at railway has been already known for about one century. In 1908 it was the Netherlands, where this timetable form was applied. The extension to other railway lines of the network came 30 years later. Since 1960´s periodic schedule was extended in wider scale in Japan and in some countries in Western Europe. In 1982 periodic schedule was initiated in Switzerland within the whole network under motto „every hour one train“. Superstructure of this timetable form was the project Bahn 2000. It concerns so called Integrated Periodic Schedule, where transfers among trains in selected junctions besides fixed intervals between particular connections are assured. First stage was launched in December 2004. Conception of Bahn 2000 has contributed to the extension and application of this kind of schedule within Europe. Czech Republic is not an exception. Introduction of this conception is determined by wide scale of steps concerning demands on infrastructure, rolling stock and schedule making itself. Process of implementation in the Czech Republic has an effect of elementariness and fortuity despite its partial achievements at the present time.

Ing. Petr Kolář

Zabezpečovací systém LOCOPROL
An interlocking system LOCOPROL

This article brings an actual information on results of the project LOCOPROL (Low cost satellite based train location for low density railway lines). The LOCOPROL project has addressed this need by developing a satellite-based, fail-safe and low-cost positioning and an associated signalling system for low-density traffic lines. A implementation of this new system is in the south of France between Nice and Digne, where system is testing.

Ing. Václav Chudáček, CSc.

Problémy kompatibility kolejových obvodů u ČD
Problems of compatibility of track circuits in Czech Railways

The information mentioned in the text makes it possible to preconceive, what kind of devices, if any, is needed for the track vehicle detection in the new system of signalling on Czech Railways (CD - SZDC). Characteristics of recent track circuits and possibilities of their adaptation relating to problems with compatibility of these devices with (and) new driving vehicles are shown.

doc. Ing. Karel Hlava, CSc.

Analýza napěťových harmonických v trakčním vedení železnic ČD
Analysis of contact system line voltage harmonics on the Czech Railways

The paper deals with the wave distortion analysis of the contact system line voltage at the operation of electric motive power with diode traction converters. The ascertained harmonic values are important for the prepared European standards and guidelines for interoperability not only for definition of working conditions of the on-board electrometers, but also for the ensurement the regenerative breaking safety of new AC motive power. The analysis respects the filter-compensation equipment installed in ČD traction substations.