UITP publications
catalogue

Updated 8 February 2019

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Artificial intelligence in mass public transport
Dec. 2018, see page 6
UITP Project SORT 2014 – Revised edition
Includes SORT for hybrid buses and E-Buses

Published: August 2014
Format: CD - and hardcopy
Languages: EN (brochure). The CD-Rom contains the English, French, German, Spanish and Italian versions.

The main aim of the SORT project is to design reproducible test cycles for on-road tests of buses in order to measure their fuel consumption. This 2014 revised edition presents an additional protocol for hybrid buses called SORT-Hy, for hybrid vehicles that cannot be externally re-charged (charge sustaining HEV). This edition thus complements both the 2004 edition (12-metre single chassis buses, mounted with diesel engines) and the 2009 edition (providing SORT formula for different single deck sizes of buses).

More info:
• “SORT” testing methodology: a new protocol for hybrid buses
• Electric buses addendum

UITP code: SORT3
Full price: 180.00 EUR
Member price: 90.00 EUR

Field study on bus depots and bus maintenance
UITP code: FSBD

Published: November 2013
Format: Hardcopy - Full Colour - 29 pages
Language: EN

This technical study evaluates the differences between various engine technologies and examines the consequences of those differences. Based on the in-the-field experience of international public transport companies, this report addresses the need for economical and environmentally friendly engine technologies for the future. It provides a solid overview of the factors to bear in mind when planning a public transport bus depot.
and highlights key aspects to consider for certain engine technologies.

Category: **RAIL**

### Guidelines for Tramway Modernisation in CEE and CIS

**Final report Working Group of Tramway Modernisation**

*Published:* February 2010  
*Format:* CD  
*Language:* EN

This report provides the reader with four consolidated reports covering the main aspects of light rail maintenance strategies. Furthermore it contains a large number of case studies, which provide real-life experiences and the lessons learnt by some of the most advanced light rail systems.

**UITP code:** GTM  
**Full price:** 150.00 EUR  
**Member price:** 75.00 EUR

### Financing LRT

*Published:* July 2008  
*Format:* PDF - 16 pages  
*Language:* EN

This core UITP paper presents financing techniques that have been used worldwide by various LRT promoters and developers to finance the construction of their systems. The paper focuses on financing of new systems, but also includes references to the rehabilitation or re-construction of old systems.

**UITP code:** FLRT  
**Full price:** 100.00 EUR  
**Member price:** 50.00 EUR

### Taking the Route of Metro Automation

*Published:* May 2007  
*Format:* CD  
*Language:* EN

**UITP code:** TRM  
**Full price:** 200.00 EUR  
**Member price:** 100.00 EUR
This study was designed as a transfer of experience in the field of unattended train operation. Newcomers will appreciate the clear introduction about Unattended Train Operation prepared especially for them. With its wealth of very concrete information, this CD is an absolute must for any stakeholder involved in metro construction or modernisation. It offers insights from the most experienced automatic metros through 130 frequently asked questions (FAQ) clustered around 23 topics covering all aspects of automatic metros.

Fare Evasion

Published: September 2006
Format: CD
Language: EN

The UITP Light Rail Committee carried out a specific study on fare evasion. The present report summarises the results of a survey conducted in 18 cities, as well as discussions held during meetings of a smaller group of operators exchanging views and experiences, and during face-to-face interviews.

Good Fences Make Good Neighbours
UITP Metro Contract Study
Full report + 13 case studies

Published: May 2006
Format: CD
Language: EN

The study focuses primarily on contractual forms in metro operation. It covers the following metro systems: Barcelona, Brussels, Copenhagen, Docklands Light Rail/London (DLRL), Hamburg, Hong Kong, Paris, Santiago, Stockholm, Vancouver, London Underground. The study reviews various forms of contractualisation and points out the interesting features that they contain. Its aim is to give guidance and inspiration for those in the process of - or considering venturing into
contractualisation by means of tendering or otherwise.

**Commissioning of New Metro Rolling Stock**

*Published:* February 2006  
*Format:* CD  
*Language:* Full CD in English. Translation of certain parts in French, German and Spanish

This first joint metro industry/operator effort tackles specific commissioning-related problems. Analyses and recommendations in key areas include: Commissioning framework; Technical details and interface; Doors; Innovation management and sub-supplier quality evaluation.

Full details and executive summaries of each chapter are available

**Guidelines for Selecting and Planning a New Light Rail System**  
*Level 1 + 2 + 3*

*Published:* February 2004  
*Format:* CD  
*Language:* EN, FR, DE

The range of material is presented in three separate but linked levels, to meet the degree of detail required by the reader. Level 1 summarises (in English, French and German) the key issues, procedures and decisions from initial definition of a city’s transit objectives to the eventual opening of a new system. Level 2 explores in greater detail over 30 related wide-ranging topics outlined in Level 1. Level 3 comprises case studies from particular cities and other practical material.
Artificial Intelligence in Mass Public Transport

Published: December 2018  
Format: PDF – 144 pages  
Language: EN

Artificial Intelligence (AI) in Mass Public Transport, was the first study conducted by UITP Asia-Pacific Centre for Transport Excellence under a joint-funded research programme between UITP and Land Transport Authority of Singapore. The objective of this study was to demystify AI, raise awareness in the public transport sector by landscape analysis and provide insights to organisations who may be considering AI-powered solutions.

The study focused on the use of artificial intelligence for customer excellence, operational excellence, engineering excellence, and security and safety management, while the use of AI in self-driving (private) vehicles was out of scope.

The report equips the industry with a comprehensive collection of concrete examples and best practices, and outlines what the future might hold for AI in public transport systems.

N.B. A discount is available for multiple purchases.

Download the Executive Summary
Following a comprehensive data collection exercise, this publication provides a granular analysis of the metro systems in operation at the end of 2017. This in-depth report also contains an extensive dataset highlighting, for each of the metro systems operational at the end of 2017, the following annual data points:

- Year of system opening
- Number of metro lines in operation for the previous five years;
- The length of lines in operation for the previous five years;
- The number of metro stations for the previous five years;
- The number of passengers carried by the metro system for the previous five years;
- The number of metro carriages used by the system for the last available year.

This report provides the reader with four consolidated reports covering the main aspects of light rail maintenance strategies. Furthermore it contains a large number of case studies, which provide real-life experiences and the lessons learnt by some of the most advanced light rail systems.

**Commuter Railway Landscape**

**Published:** October 2018  
**Format:** Pdf Report 35 pages + excel embedded  
**Languages:** EN

Following the publication, in 2006 and 2016, of the “Landscape of regional and commuter railways in Europe”, UITP is pleased to provide a “natural” complementary study in order to provide an extensive and global picture of "commuter railway" systems in the rest of the world. Such services are provided in 29 countries, serving around 100 specifically identified metropolitan areas + all major cities of Japan, Russia, Ukraine, Israel, Korea and Taiwan which have a more extensive geographical coverage. Data covered as systems, lines, stations, fleet and ridership. After an analysis of the consolidated figures by region and a comparison with Europe, the report offers a more detailed description of the market features.
and evolution by sub-regions / countries. The report is sold together with the dataset by country.

Reshaping urban mobility in Central & Eastern Europe - Sustainability – Innovation – Strategy

Published: January 2018
Format: book - full colour - 52 pages
Language: EN

The second volume of UITP’s Central & Eastern Europe Knowledge Series is an overview of urban mobility development in the region, through the lens of three recurring themes: sustainability, innovation and strategy. From the deployment of electric public transport fleets to the use of blended finance and the implementation of ITS, this report features the most compelling recently-completed or ongoing projects, on a country-per-country basis.

More info

Urban Public Transport in the 21st century

Published: November 2017
Format: PDF
Language: EN

This study details the different public transport trends occurring in selected countries, and finds that though the paths of evolution differ, the common factor between all of the countries is increasing ridership for public transport. In order to comprehensively analyse the current state of urban public transport around the world, 39 countries from different regions were studied, including 27 European countries; US and Canada (North America); Brazil (Latin America); Ukraine and Russia (Eurasia); China, Singapore, South Korea and Japan (Asia); Australia and New Zealand (Oceania); and Turkey. The product...
MENA Transport Report 2017

Published: October 2017
Format: Book – Full colour – 105 pages
Language: EN

This annual report highlights the most significant national and urban mobility developments, major public transport projects and key statistics in the MENA region. The report provides a key reference for public transport professionals, industry leaders, academics and policy makers. This year’s report has been improved and expanded to include more cities in the MENA region and more indicators. The report covers 14 countries and 28 cities, including Algeria, Bahrain, Egypt, Iran, Iraq (new this year), Jordan, Kuwait, Lebanon, Morocco, Oman, Qatar, Saudi Arabia, Tunisia and the United Arab Emirates. Key information in the report includes:

- National and urban transport strategies - Current public transport supply and demand (on the national and urban level) - Analysis of trends in the MENA region - Ongoing and planned projects with the respective stakeholders involved on the national and urban level - Car use and ownership policies, customer-oriented strategies and innovation in public transport.

UITP code: MENA1
Full price: 200.00 EUR
Member price: 100.00 EUR

Better Cities, Better Lives: UITP global study reports large-scale increase in public transport use

Statistics Brief

consists of a database and a report that can be bought together or separately.

More info:

- Better Cities, Better Lives: UITP global study reports large-scale increase in public transport use
- Statistics Brief
The changing natural environment, socio-economic pressures, demographic factors and increasing urbanisation are among the critical global issues impacting public transport to varying degrees. In this context, the 2017 edition of UITP's Public Transport Trends report explores four significant developments challenging the traditional forms and functioning of urban mobility. Technology and digitalisation, climate change, the need for organisation and the desire for individual transport are all driving change across the sector as a whole.

Content of the publication: Trends report 2017 is divided into 4 parts:
1. New mobility services meet public transport
2. (Re)organisation of the public transport market
3. Fossil fuels and beyond
4. The motorcycle boom

More info

Mobility in Cities Database

Published: January 2016
Format: PDF + excel embedded
Language: EN
This dataset comprises 85 standardised indicators, covering 63 cities. The data are from 2012. The dataset also contains key figures comparing the evolution of selected metropolitan areas over the three editions of the MCD – data for 2001 and 1995. In addition to the data for 2012, the dataset also contains key figures comparing the evolution of selected metropolitan areas over the three editions of the MCD – data for 2001 and 1995 – as included in the Report.
Want to know more about MCD?

- Download the Statistics Brief [HERE](#)
- Download the MCD products description (including the indicators) [HERE](#)
- Download the list of cities [HERE](#)

**Mobility in Cities Database**
**Basic Dataset “A” – Headline Figures**

Published: January 2017  
Format: PDF + excel embedded  
Language: EN

This dataset comprises 20 standardised indicators, covering all the 63 cities included in MCD 2015. The data focuses on the headline figures within each subgroup of indicators collected.

**UITP code:** MCD-A  
Full price: 200.00 EUR  
Member price: 100.00 EUR

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**Mobility in Cities Database**
**Basic Dataset “B” – European Cities**

Published: January 2017  
Format: PDF + excel embedded  
Language: EN

This dataset comprises 34 standardised indicators, covering the 35 European cities included in MCD 2015. The data focuses on the headline figures and provides more details about the transport infrastructure and public transport indicators in the European cities within the database.

**UITP code:** MCD-B  
Full price: 200.00 EUR  
Member price: 100.00 EUR

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**Mobility in Cities Database**
**Basic Dataset “C” – Public transport**

Published: January 2017  
Format: PDF + excel embedded  
Language: EN

**UITP code:** MCD-C  
Full price: 200.00 EUR  
Member price: 100.00 EUR
This dataset comprises 21 standardised indicators, covering all the 63 cities included in MCD 2015. The data focuses on the public transport indicators collected, providing a handy overview of the system in the MCD 2015 cities.

**EU Structural Funds in Central and Eastern Europe**

*Published:* January 2017  
*Format:* book (37 pages)  
*Language:* EN

The report strives to provide a structured and data-driven overview of the absorption and implementation of EU Structural Funds invested in Central and Eastern Europe in the transport and urban mobility sectors over the two EU financial programming periods of 2007-2013 and 2014-2020. Structural Funds account for one third of the current EU budget and represent its second largest spending line. At the same time, they represent a strategic financing tool used for the majority of public transport projects and initiatives implemented in the CEE region.


*Published:* September 2016  
*Format:* Electronic pdf + excel embedded  
*Languages:* EN  
*FREE for UITP members benefitting from the Advantage and Premium packages.*

This database complements the [UITP Statistics Brief](http://www.uitp.org/statistics) which is available via [http://www.uitp.org/statistics](http://www.uitp.org/statistics). The national figures provided in this document detail, whenever possible: The modal breakdown of the number of journeys by local public transport; the modes of transport include urban buses, suburban buses, tramways and metro, unless otherwise specified; Suburban railway data is generally provided for 2012 to 2014.  
*The countries:* Austria, Belgium, Bulgaria, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Germany,
The 'Metropolitan Railways in the World' database contains the number of metro lines, the length of infrastructure and the number of stations for all the cities which had a metro system in operation in 2014. This information is supplemented by ridership figures for 2012, 2013 and 2014 as well as the year when the first metro line was opened and the list of operating companies providing metro services in each city. The cities are grouped by country and region.
number of routes and number of passengers transported by the companies during the year, etc.

Latest Figures on the Urban Bus Fleet in the European Union
Public Transport Statistics Report - Issue 1

Published: May 2007
Format: CD
Language: EN

This CD-Rom contains the results of a survey on the urban bus fleet in the European Union. The survey provides data on the use of the different types of fuel and drive train technology, accessibility features, age and structure of the bus and trolleybus fleet operated in EU cities with over 100,000 inhabitants, with reference to the year 2005. The survey also contains information on procurement mechanisms and fleet management. The purpose of the survey is to provide quantified information in support of decision-making, advocacy and research.
UITP Bus Tender Structure

Updated and expanded UITP Guidance document on tendering for buses and related services, \textit{including e-buses}.

Published: October 2018
Format: PDF + excel
Language: EN

Under the joint lead of the UITP Bus Committee, VEI Committee, PTA Committee and ZeEUS project a working group was established which undertook a detailed exercise to update and expand the UITP’s previously published guidance document for tendering buses and related services, published in 2009, in order to ensure that it adequately covers the evolving introduction of e-buses and also reflects more general changes in the sector, thereby ensuring that the document remains credible and of value to all participants of these activities. The UITP has now delivered the revised document for publication. UITP members are encouraged to assist in its usage and dissemination within our sector.

One Small Step...

Published: May 2009
Format: CD
Language: EN

The primary target group for this report is the railway companies who have to implement PRM measures. But equally important are the national, regional and local public transport authorities who, in most cases, define and assign these duties to the railway companies. Furthermore this report is designed to raise awareness of Accessibility, not only within the two aforementioned groups, but within the whole spectrum, from architects to politicians, law makers and standardisation bodies.
Improving Access to Public Transport
In partnership with ECMT

Published: November 2004
Format: Hardcopy - Full Colour - 82 pages
Language: EN, FR

This report explores how improved cooperation between public transport service providers and local authorities - along with a close sustained dialogue with members of the disabled community - can ensure better accessibility to public transport. With a focus on experience in four cities, Gothenburg (Sweden), Grenoble (France), Prague (Czech Republic), and Liverpool (UK), the report identifies the critical elements of partnerships between public authorities at different levels of government and public transport operators.

Category: ORGANISATION
**Improving surface-level interchange hubs**

**Published:** April 2012  
**Format:** CD  
**Language:** EN

This toolkit for assessing passenger transfers at small, medium and large surface-level interchange hubs will assist public transport professionals confronted with the need to assess and improve the quality, planning and design of bus stops and interchange stations at surface level. Any such assessment must put forward the passenger point of view and consider the integration of the interchange into the urban environment.

A dedicated UITP Working Group has developed a general multi-layered checklist, the purpose of which is to outline the configuration of interchanges and the equipment that public transport operators/authorities should consider providing. The work was carried out with the passenger point of view in mind.

**A Vision for Integrated Urban Mobility: Setting up your Transport Authority**

**Published:** April 2011  
**Format:** CD and brochure  
Incl. 21 case studies and CD-Rom with text available in DE, FR, DE and ES

The first part of this UITP publication outlines and stresses the central role of transport authorities when developing visionary integrated policies. The second part offers a comprehensive overview of the key questions that need to be addressed when setting up or reorganising a transport authority. Furthermore, a number of case studies have been chosen from Europe, the Americas, Africa, the Middle East, Asia and Oceania to illustrate, from one city to another, the diverse range of governance approaches, of public transport markets and of competences devolved to authorities.
Large Events and Public Transport: a Winning Team
Successfully handling transport during large events

Published: June 2009
Format: CD
Language: EN

The Working Group on PT & Large Events is delighted to present this CD-ROM that contents the findings of the working group:

· Checklist for PT operators and authorities outlining the questions that public transport operators/authorities have to ask themselves in when preparing for large events.
· Collection of case studies covering a wide range of events. The case studies follow exactly the same structure as the checklist in order to illustrate how the different points were addressed in practice in different situations.
· Focus Paper which is the policy document aiming at raising the awareness of decision makers and event owners regarding the benefits of taking public transport into account in early decisions on venue location and the overall transport scheme for the event.
· Additional references on MOBI+, the UITP electronic library.
Officially published today by UITP Europe, the new edition of our publication entitled “Organisation and major players of short-distance public transport” revises, updates and completes the previous handbook to reflect national developments which have occurred recently. The 160-page report describes the public transport sector in 23 EU Member States and Serbia, providing details on the institutional organisation, legal framework and market structure together with key statistics. It also highlights recent changes attributable to the application of the EU Regulation on the award of public service contracts. The intention is to provide sufficient information to allow readers to understand the direction in which public transport is moving in the different countries.

The final section examines the impact of increasing liberalisation on public transport operations in Europe, notably the consolidation of private or publicly-owned operators competing for concessions and the emergence of a number of European and international players. A useful map shows where the transport groups are active in Europe.

**More info**

**How to order**:

Send an E-mail to suna.biricik@uitp.org including your full name and address for the invoicing and delivery.