



Planning Public Transport

Overview

High quality public transport is an essential part of the toolkit to tackle traffic congestion, pollution related deaths and other adverse side effects of cities' and towns' dependence on the car. However, with deregulated provision, such as the bus market in the UK, Public Transport service planners & operators face a range of financial operations & social challenges to developing and providing affective public transport services.

This two-day course provides a practical guide to operations planning, improved scheduling, market forecasting and economic appraisal methods for the development of bus and tram services.

Key issues addressed on this course are:

- Urban public transport market structure
- Data sources on ridership, especially the use of smartcard data
- Timetable development
- Service reliability
- Vehicle scheduling
- Demand forecasting
- Financial and economic appraisal and project evaluation

The course includes a 'hands on' exercise, using given data for an expected demand level, vehicle costs, round trip times, etc. to estimate total and unit costs of producing a bus service.

Learning Outcomes

At the end of the course delegates will:

- Have a good basic knowledge of the techniques used in operations planning including scheduling, route and network planning, strategic planning, economic appraisal and market forecasting in urban public transport.
- Be acquainted with new methods which have significant potential for improving the costeffectiveness of short range public transport planning.
- Be acquainted with traditional operations and service planning, including scheduling procedures, and new approaches.
- Have access to a range of practical methods for day to day planning work in the transit industry.
- Have a better understanding of the roles and perspectives of the range of disciplines encompassed by modern urban public transport planning.

Programme*

Day 1

09:15 **Introduction**

09:30 **Session 1**

Cost structures and cost allocation methods; Indicators of transport provision and use; Trends in UK; Market structures

10:30 **Session 2**

Measuring usage of public transport systems; especially use of smartcard data

11:15 **Break**

11:45 **Session 3**

Network planning issues, including determination of service frequency and running times

12:15 **Session 4**

Indicators of service quality and reliability

12:45 **Lunch**

13:30 **Hands on exercise**

Using given data for an illustrative urban bus service, to calculate resources required, costs, and effects on demand of service frequency

17:00 **Close Day 1**

Day 2

09:30 **Discussion of issues arising from previous day's exercise**

10:00 **Session 5**

Factors affecting demand, especially car ownership and other external factors; Impacts of service frequencies and fare levels on demand

11:00 **Break**

11:45 **Session 6**

Effects of service quality on demand

12:30 **Lunch**

13:15 **Session 7**

Financial and Economic appraisal in public transport

15:15 **Break**

15:45 **Feedback and discussion**

16:30 **Close Day 2**

* Please note that this is a preliminary programme and is subject to change

Who Should Attend?

The course is designed for planners and managers in the industry, national, regional and local government, and consultants who deal with short range public transport planning and operations. No advanced knowledge in mathematical methods or computers is required, although a working knowledge of commonly-used spreadsheets (such as Excel) would be useful. It will also be of benefit to practicing public transport professionals or those engaged in the transport and planning industry.

Those involved in operating, planning and marketing services will also find value in this course. All participants will be issued with a certificate of attendance.

Planning Public Transport



Date of course and location		
Title	Forename	Surname
Position		
Department		
Organisation		
Address		
		Postcode
Telephone		
Email		
Please state any special dietary or access requirements		
How did you hear about this course?		

Attendance Fees

Please tick as appropriate:

- Standard rate** Fee (please write in amount) _____ + VAT
- CILT/Local Authority/Charity rate** Fee (please write in amount) _____ + VAT

Method of Payment

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Please return to: The Events Team, PTRC Education & Research Services Ltd, 22 Greencoat Place, London, SW1P 1PR
T: 020 7348 1970 F: 020 7348 1989 E: info@ptrc-training.co.uk

Terms and Conditions

1 Registration Form

Applications should be made on the official registration form. Photocopies are accepted. One form should be completed for each delegate attending an event. It is important that all sections are completed legibly. Delegates are advised to retain a copy of the registration form for reference before sending.

2 Fees

Fees include attendance at lectures, lecture notes, lunch and all refreshments unless otherwise indicated.

Fees do not include overnight accommodation, breakfast and evening meals unless stated or otherwise indicated.

3 Acknowledgement

Receipt of a registration form will be acknowledged by email, delegates will be sent an invoice and an email of acknowledgement. Joining instructions, including a map, will be sent to each delegate by email approximately two weeks before the start of the event.

4 Payment

Unless otherwise stated payment in full must be made at the time of booking. All prices are exclusive of VAT, unless stated otherwise.

5 Cancellation

All cancellations, or alterations to a booking, must be received in writing. To avoid cancellation penalties, substitutes will be accepted at any time, if notified in writing and in advance of the event. Adjustments in fees will be made if there is any change in fee category. Cancellations received in writing up to 14 days before an event will be subject to an administration fee of £75 + VAT or the event delegate fee, whichever is the lower. Cancellation within 14 days of the event date or a 'no show', will be liable for the full fee.

6 Disclaimer

PTRC reserves the right to vary the programme and to cancel an event if it is under subscribed or for any other reason. In the event of cancellation, where reasonably possible, PTRC aims to give delegates at least two weeks' notice and the fee will be refunded in full. PTRC will not be held liable for any pre-booked travel, accommodation or similar costs incurred under any circumstances whatsoever.

7 Data Protection

Details will be held on a database in accordance with the 1998 Data Protection Act. Information will be used for internal marketing purposes only and will not be shared with any external organisations.

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