

Principles of Commissioning Data Collection



Vehicular traffic and people movement data are essential inputs to any traffic and transportation project ranging from highways infrastructure, public transport links and hubs, large events and venues, freight traffic, private cars, cyclists and pedestrians.

This course provides an overview of the techniques available as well as looking at established and emerging innovative methods of data collection. With the new General Data Protection Regulation (GDPR) in force, the course looks at the impacts this has on transport data collection, as well as focusing on the key elements of a project specification required to collect a robust and reliable dataset.

Learning outcomes

On completion of the course, delegates will:

- Have an understanding of the range of survey techniques and methods available
- Be aware of new developments and technologies in traffic data collection
- Understand the impacts of GDPR and the importance of compliance
- Be able to specify a robust transport survey brief, assess proposals and evaluate data

Who should attend

The course is suitable for those who have recently started working in transport and traffic planning and those responsible for the management or commissioning of data collection projects, as well as those who are looking for a broad overview of survey techniques and issues. It is best suited to those working for Local Authorities or Consultancies

Topics Covered

- Vehicle Flows
- Vehicle Speeds
- Manual Classified Counts
- Parking Demand
- Journey Travel Times
- Saturation Flows
- **Public Transport Usage**
- **Active Travel**
- Origin-Destination Surveys
- **Big Data Sources**
- **Vision Based Analytics**
- General Data Protection Regulation
- Building a thorough and reobust specification

Welcome

Introductions

Icebreaker

Background

- A brief history of the development of survey techniques, new and future technologies and the impacts of GDPR
- · How a well-considered and thorough specification is key to a successful transport survey and a robust dataset

Overview of Techniques

- Vehicle flow and speed surveys
- Pneumatic tube
- Radar

Manual classified counts

- Link counts
- Junction counts

Parking, journey time, gueue length and saturation flow surveys

Public Transport surveys

Break

Overview of Technique

- Active Travel monitoring
- Pedestrians
- Cyclists

Origin-Destination surveys

Digital ANPR

Big data sources

- Mobile phone network data
- **Vision Based Analytics**
- Smart Sensors

GDPR overview

- What is GDPR?
- What does it mean for Local Authorities/ Consultants?

How does GDPR impact data collection?

- Digital images
- Bluetooth
- Manual surveys
- Aggregation of data

What should the approach to data collection and GDPR be?

- ICO registration / GDPR compliant
- Internal training
- PIA's/ DPIA'sData Ownership

Building a thorough and robust specification

- Requirements
- Considerations
- Report

Budget

Poor specifications

Example and discussion

Group Excercise

ABQ

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

Illustrated throughout by case studies and group work

Principles of Commissioning Data Collection

Registration Form		Location:		
Title	First Name		Surname	
Position				
Organisation			Department	
Email				
Telephone				
Address				
			Post Code	
Dietary or access requirements				
Attendance Fees (Please write amount)				
Standard Rate + VAT CILT/Local Authority/Chairty Rate + VAT				
Method of Payment				
Card Number CSV Code Expiry Date				
Card Holder's name and address (if different from above)				
Post Code		Purchase Order Nun	nber	
invoice	Invoice name and address (if different from above) Please attach a copy of your purchase order made payable to PTRC			
Cheque Enclosed for £ made payable to PTRC				
Signature Authorsation I have read and accept the terms and conditions				
Name				
Please return form to PTRC Education & Research		VAT Registration: GB 65735531: Bank: Barclays PLC	3	DTDC

22 Greencoat Place, London SW1P 1PR T: 020 7348 1970 E: info@ptrc-training.co.uk Sort Code: 20-45-77 Account No: 50536466



Terms & Conditions

Form Applications should be made on the official registration form. Photocopies are accepted. One form should be completed for each delegate attending the event. It is important that all sections are 1 Registration form Applications should be made on the official registration form. Photocopies are accepted. One form should be completed for each delegate attending the 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 Fee 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. 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 one week 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 7 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 7 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 one 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 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.