

## Digital Tachograph City & Guilds Course Programme

### Day 1 – Monday

0830 Doors open

0900 Welcome

0915 – 1230

Introduction & Course Objectives

Digital Tachograph Background

EU Legislation

- 2135/98 (Amending 3821/85)
- Annex 1b (1360/2002)
- New 3820/85 articles

UK Legislation

- 2005 Recording Equipment Regulation (1904)
- Powers of Enforcement Officers

Retrofit Requirements

1230 – 1330

Lunch

1330 – 1630

DTCO 1381 Digital Tachograph System Overview

- Vehicle Unit
- Sensor
- Speedometer Interfaces
  
- CAN
- OBC
- Download/Calibration

Tachograph Cards & Modes of Operation

- Driver
- Company
- Control
- Workshop

UTC and local time

Driver Card Log-in

Manual Entries

Driver Card Log-off

Data Display

Menu Structure

Mode activity behaviour

## **Day 2 – Tuesday**

### **0900 – 1230**

- Pictograms
- Adjusting Local & UTC Time
- Out of Scope Condition
- Ferry Crossings
- Messages
- Evaluating Printouts
  - Daily Printouts
  - Technical Data
  - Over Speeding
  - Events and Faults
  - Special Printouts

### **1230 – 1330**

#### **Lunch**

### **1330 – 1630**

- Calibration Procedures
  - Installation
  - Activation
  - Calibration

- Calibration Parameters
- Workshop Card
- Sealing

## **Day 3 – Wednesday**

### **0900 – 1230**

Mixed Tachograph Work  
Tachograph Checks  
Vehicle and Driver Management  
Detailed Speed Data  
Practical Issues for fleets

### **1230 – 1330**

**Lunch**

### **1330 – 1630**

Data Evaluation

- Company Card Lock-in
- Downloading VU and Driver Card
- Data Analysis
- Company Card Lock-out

Digital Tachographs compared:

- Actia SmarTach
- Siemens VDO 1381
- Stoneridge SE5000

## **Day 4 – Thursday**

### **0900 – 1230 approx**

Revision Exercises  
Training Options  
Course Appraisal

### **1230 – 1330 approx**

**Lunch**

### **1330 – 1530 approx**

City & Guilds Examination (2 hours time allowed)