



Department for  
Business, Energy  
& Industrial Strategy

Office for Product  
Safety & Standards

# Legal Metrology

## Practical Problem Solving

# Practical Problems in Legal Metrology

What we would like to cover:-

- Nothing stands still!
- Approvals
- Conformity Documentation
- Software
- Types of Weighing and Measuring Instruments
- Pre-packages
- Novel Products and Situations

# Practical Problems in Legal Metrology

- Type Approval Certificates

- UK and EU

UK access via .gov.uk

EU access via NBs but not necessarily in English  
– see WELMEC website for access details

- Amendments – which version applies?

- Getting sight of documentation, especially when it is not an initial qualification.

# Practical Problems in Legal Metrology

- Test Certificates

- Getting sight of them
- Are they public documents?
- Only UK TACs/TECs on .gov.uk, no TCs
- EMETAS only covers NAWI and costs £s
- PADS only covers S12 approvals and costs £s
- Do manufacturers have to give access?

# Practical Problems in Legal Metrology

- Conformity Documentation
  - What does it cover?
  - Just a component or the whole installation?
  - Who is responsible for issuing it?
  - What legislation does it relate to?
  - Who should have a copy?
  - What if it is a NAWI?

# Practical Problems in Legal Metrology

- Software
  - Identification and verification
  - Updates
  - Checksum no. access
  - What if it is not in the TEC?

# Practical Problems in Legal Metrology

- NAWI & EPOS systems in Supermarkets
  - Pricing below minimum
  - Version no.
  - Is it approved?
  - How do I check?
  - Can I do it in store?

# Practical Problems in Legal Metrology

- EPOS Systems on Fuel Forecourts
  - Are they approved?
  - Can I use EU approved systems with S12 WMA approved dispensers?
  - Are they sealed?
  - Who is responsible for testing?
  - What needs conformity assessment?



# Practical Problems in Legal Metrology

- Bulk Fuel Metering Systems
  - Compliance with TEC
  - Conformity Documentation
  - Modifications
  - Testing - consistency

# Practical Problems in Legal Metrology

- STA
  - Guidance – does it need to be changed every year?
  - Thermometer accuracy – what does the guidance mean?
  - Temperature determination – where in the system? Can you use the systems own temperature determined value?

# Practical Problems in Legal Metrology

- Pre-packages
  - MCB templates – who is responsible for supply?
  - Who can certify the template?
  - E-marked and non-e-marked pre-packages

# Practical Problems in Legal Metrology

- Novel products and situations
  - Self Service Beer
  - Beer Towers
  - Beer Festivals
  - Draught Gin and Tonic
  - Gluten free 'flour confectionary'