HVCA

HEATING AND VENTILATING CONTRACTOR'S ASSOCIATION

BESCA

BOB TOWSE

HEAD OF TECHNICAL AND SAFETY

HVCA

"WHAT INSPECTION INVOLVES"

- HVCA
- ASSESSORS AND ACCREDITATION
- THE PURPOSE
- THE INSPECTION
- THE REPORT
- REPORT LODGEMENT

THE HVCA:

- TRADE ASSOCIATION
- FORMED IN 1904 – 110+ STAFF
- HEATING, VENTILATING, AIR CONDITIONING, REFRIGERATION, FACILITIES MANAGEMENT.
- 1400 MEMBER COMPANIES
- 2000 OFFICES IN THE UK & 50,000 + WORKFORCE
- TOTAL MEMBER ANNUAL TURNOVER - £3 BN

HVCA

HEATING AND VENTILATING CONTRACTOR'S ASSOCIATION

BESCA

BESCA

Checked & accredited MEMBER

www.besca.org.uk

Building Engineering Services Competence Accreditation Ltd

A/C ENERGY ASSESSOR SCHEME

BESCA is an independent assessment and certification body for the building services industry

CIBSE LOW CARBON ENERGY ASSESSORS

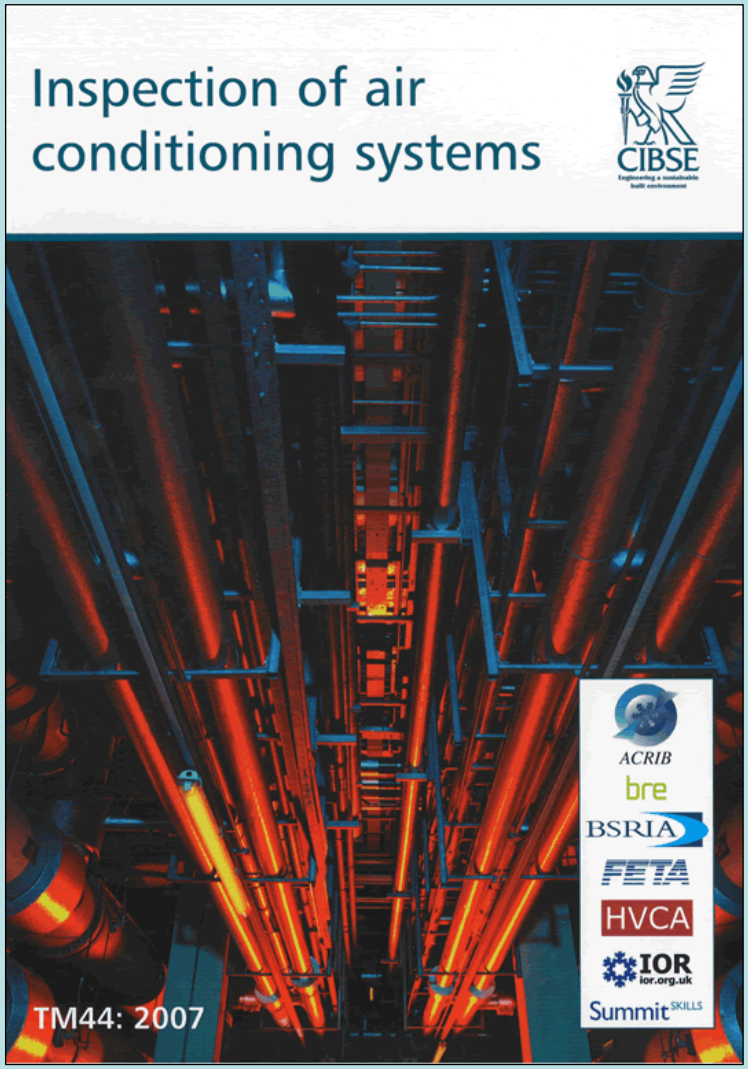
CIBSE Certification Ltd.

INSPECTION - THE PURPOSE

- GIVE BUILDINGS OWNERS INFORMATION
- IDENTIFY EFFICIENCY IMPROVEMENTS
- CUT OPERATING/ENERGY/CARBON COSTS
- SURVEY THE A/C SYSTEM
- PROVIDE A REPORT LISTING COST SAVING MEASURES

FACTORS WHICH AFFECT A/C EFFICIENCY

- DESIGN OF THE SYSTEM
- STATE OF MAINTENANCE
- CONTROLS STRATEGY
- USER UNDERSTANDING



CIBSE

TM44: 2007

CIBSE TM 44

- DEVELOPED AT THE REQUEST OF UK GOVT.
- DEVELOPED BY CIBSE / INDUSTRY
- UK PREFERRED METHODOLOGY FOR A/C INSPECTIONS
- EN 15240 – NOT PREFERRED

CIBSE TM44

- CENTRALISED SYSTEMS
- PACKAGED SYSTEMS

THE PRE INSPECTION

- SYSTEM DOCUMENTATION
- ASSET REGISTER
- O&M MANUALS
- ENERGY CONSUMPTION INFORMATION
- TIME ALLOWANCE
- PLANNED MAINTENANCE RECORDS

THE INSPECTION

- SYSTEM(S) INSPECTION
- NON INVASIVE
- SAMPLING
- CONTROLS STRATEGY
- CONDITION
- LOAD ESTIMATION / SIZING
- THE REPORT

THE REPORT

- **LIST OF ALL INSTALLED EQUIPMENT**
- **ADVISE ON-**

  CONDITION
  SIZING
  CONTROLS STRATEGY
  EFFICIENCY OPPORTUNITIES
  RENEWAL??

LODGEMENT

- PROVIDE REPORT TO SCHEME OPERATOR
- SCHEME OPERATOR CHECKS REPORT
- SCHEME OPERATOR LODGES ON IT'S WEBSITE

DISCUSSION?