

Please email for course dates and cost tech@999team.org

Focus: Employers Facility Managers

Foreword

This module provides the information to enable the development of a building specific terrorist CBR defence plan. The syllabus identifies the hazards and risks, spread and ingress routes of contamination. The defence of building and protection of occupants is the main objective and several control issues are explained to assist in site specific plan development.

1) Health & safety Legislation

- a) Overview
- b) Specific responsibilities
- c) Necessity

2) General responsibilities and legal obligations / liability

- a) Legal duties and obligations
- b) Duty to protect employees and personnel/building occupants
- c) Duty to mitigate (insurance policy caveat)
- d) Building Insurance Policy issues
 - i) Policy Limitations
 - ii) Conflicts (multi tenancy)
 - iii) Pool Re
 - iv) Wording and exclusions
 - v) Contamination V damage
 - vi) Clearance time and cost issues
 - vii) Multi tenancy/policy complications
 - viii) Decontamination failure?
- e) Civil & Criminal liabilities
- f) Ramifications of CCA¹

3) Cost & time issues

- a) Time line to Blue Light assistance
- b) Cost & time line to decontamination
- c) Cost savings from preventable contamination or evacuation
- d) Loss of building –rent /value considerations

4) Business Disruption Awareness

- a) Hoax or Confirmed Incident cost reduction
- b) Unnecessary evacuation issues
- c) Employee confidence building
- d) Disruption reduction
- e) Productivity protection
- f) Business Continuity issues
- g) Disaster recovery issues
- h) Natural disasters
 - i) Flooding
 - ii) Fire & explosion
 - iii) Horizon scanning

¹ Civil Contingencies Act

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5) Reducing absenteeism

- a. Confidence building
- b. Awareness
- c. Trust

6) Associated risks and hazards

7) Contamination types, effect and dispersal routes

- a. CBR & characteristics
- b. Chemical
- c. Biological
- d. Radiological
- e. TICs

8) General characteristics

- a. Height & plume direction
- b. Effects of buildings and urban environment
- c. Wind speed and velocity
- d. The rural environment
- e. Swirl & wind turbulence
- f. Pressure Plain

9) Internal distribution & control factors

- a. Ventilation ductwork
- b. Laminar and turbulent air flow
- c. Lift action
- d. Kitchen & toilet extracts
- e. Interstitial cavities
- f. Building envelope
- g. Risers
- h. Supply inlets
- i. AHUs
- j. Windows
- k. People

10) Generic Government Advice (ODPM - DEFRA)

- a. Review of published documents
- b. Assessments of Generic & Specific plans

11) Identification & Measurement

- a. Measuring leakage to prevent ingress
- b. Flow routes (safe haven identification)

12) Site Specific Enhancement Controls

- a. External Security
- b. Internal Security
- c. Reception controls
- d. Visitors & site security
- e. Post room events
- f. Mechanical & Electrical controls

13) Event Planning

- a. Building assessments
- b. Maximizing possible controls
- c. Developing additional controls
- d. Development of Safe Haven
- e. Developing Resilience
- f. Building Log
- g. Asbestos
- h. Coshh²
- i. Known hazards
- j. Liaison team

14) Assisting Blue light responders

- a. Information details
- b. Personnel affected
- c. Visual commentary
- d. Known facts
- e. Evidence
- f. Route Plans for responders
- g. Containment

15) Hard Engineering Control assessments

- a. Improving filtration
- b. Improving site controls

16) Planning and Soft Engineering

- a. Localised controls
- b. Activation procedures

17) Incident Response assessments

- a. Designated IRT
- b. Equipment & Training
- c. Notification & Response times
- d. Authority to activate plans
- e. Invocation of plans

18) Failure and Ramifications

- a. Alert interested parties
- b. Contingency planning
- c. Open forum
- d. Hearts & Minds

19) Training & Equipment

- a. Budget & Authority
- b. Surveys
- c. Engineering controls
- d. Training
- e. Equipment
- f. PPE
- g. Audit

² Control of Substances Hazardous to Health

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20) Your Day in Court

- a. Defending your actions
- b. Proving your defence