

## Why this product is essential

The threat of terrorist CBR *chemical biological radiological* event is high. Government agencies, Home Secretary, MI5 & commissioner of Police Sir John Stevens have all said "It is a matter of when not if" an event will happen. Currently the only way to develop a cbr specific contingency plan is to employ an expensive "expert consultant" to identify risk & hazard.

CBR-response.com not only identifies these components but also assesses your best response and mitigating controls. Available instantly and requires only limited knowledge of building facilities or controls to develop a comprehensive contingency & response plan. All aspects of the planning module have been discussed and demonstrated to senior personnel in Police, Fire and government agencies who have acknowledged its usefulness.

## Planning Overview

Current Business Continuity philosophy revolves around the planning for effect rather than cause. This logical, historic approach, recognised that planning for cause is an impossible task due to the endless list of permutations of events. Planners identified loss and effects from five key components:

1. Access
2. Data
3. Skills
4. Function
5. Information

Terrorist CBR event planning techniques are almost diametrically opposed to the approach of BC & DR planning. The wide areas of contamination, personnel loss and continuing threat & hazard replace the historic approach of one time incident and recovery. Total loss of unprotected resources must be considered and usual support from insurers & emergency services may not be available. The terrorist cbr contingency plan must be proactive and based on the objectives of cause and defence rather than effect and response.

## Summary

Following a terrorist cbr event the CBD, *Central business district*, may be closed down as a scene of crime or isolated due to contamination and thousands of occupants may be forcibly kept within the "Hot Zone" to prevent cross contamination. Hot sites within 10 miles may be unavailable for a variety of reasons. The ingress of contamination in buildings may affect not only the occupants but value of the property too. With decontamination expected to take years and experience in the USA showing costs of \$100 million plus, catastrophic liabilities may evolve. Insurance limitations are another cause for concern. Governments on both sides of the Atlantic have issued warnings that CBR event is a matter of when not if and the risk is therefore established. The issues of Corporate Governance, civil and criminal liability under the HSW act *Health & Safety at Work* coupled to the need for employee safety and confidence, make planning for terrorism mandatory.

## Response alternatives:

### a). Await Government advice & assistance.

The potential for exposure from known or possible contaminants is substantially increased and your only defence is limited to decontamination and medical care. This may be analogous to discovering a fire and doing nothing with reliance on the fire service to protect and medical treatment for burns.

### **b). Invoke planned response.**

Mitigate or prevent exposure, Protect & defend to control the situation thereby minimising the hazard and risk. This is analogous to discovering fire and alerting occupants by fire alarm, operating sprinklers and evacuation.

### **Logistical analysis**

Emergency services have confirmed they expect hundreds of thousands of potentially contaminated persons within the "Hot Zone" & time line for decontamination can be days. The importance of being safe and resilient must be considered.

### **Decontamination as a Response**

Decontamination is generally expected to remove contamination from clothing and body, no amount of decontamination will remove adsorbed or inhaled contaminants. By definition the route to the decontamination unit or facility will be contaminated and those en-route will be exposed. Protection and resilience within the building is the government advice and cbr –response objective.

### **Evacuation Option**

Evacuation due to threat warning is unlikely. Where threat is recognised authorities would eliminate threat not evacuate. The time constraints in evacuation of large areas would create impossible loading on transport infrastructure. Large numbers of evacuees would be unprotected in the open.

### **Government Advice**

"Go in- Tune in- Stay In" This advice relies on buildings natural defence against wind and natural exposure. This action alone can provide 51% reduction in contamination exposure. Controls and simple defences can increase this substantially.

### **CBR contingency planning**

All buildings have some form of engineering control, which can be utilised for defence. This can include air conditioning or heating, toilet or kitchen extracts, ventilation systems, equally there are other components which can increase the spread of contamination, lift action, doors, post room etc. There are several thousand permutations which can be identified as control or defence issues. There is a clear need to identify all possible defence or risk reduction components within the building or defended area.

### **cbr-response.com**

You are asked to fill out an on screen simple questionnaire, which is linked to a match and route matrix of over 2000 calculations and possible responses. From the specified building information provided the matrix will provide you with 12 individual reports to cover the following cbr incidents:

<b>Chemical</b>	Internal & External	High & Low level release	= 4 plans
<b>Biological</b>	Internal & External	High & Low level release	= 4 plans
<b>Radiological</b>	Internal & External	High & Low level release	= 4 plans

**Total 12 Plans**

### **Conclusion**

The match and route questionnaire will identify all possible existing control or risk factors. The response matrix automatically identifies the best possible action or use of these components. Where high risks or limited control exists an alternative solution may be suggested to improve your resilience or safety. This economical contingency planning tool can be downloaded immediately and continuing support and upgrades are available detailing changing risks or response issues.