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GERMAN SECURITY SOLUTIONS

GOVERNMENTAL SECURITY SOLUTIONS

CBRN VIP Protection

Awareness Course

CHEMICAL, BIOLOGICAL, RADIOLOGICAL AND NUCLEAR (CBRN) INFORMATION COURSE

Introduction

The course has been designed to inform those interested parties who have not had to deal with CBRN events in the past but cannot ignore the growing trend within the terrorist community to use these materials to achieve their aims in a more frightening and cost effective way. Additionally, it is designed to advise, educate, inform and recommend to organisations and government decision makers, on the right equipment, training and procedures best suited for their needs to combat this threat.

Course Programme

The course has been designed to run for 10 working days and is conducted in English. The length of course takes into account the need for interpreters in some countries where English may not be widely spoken or there is concern over misinterpretation of the information being given. The host country for the course would be expected to provide adequate facilities and administrative backup to run the course, including competent interpreters. A course programme is attached and below are more details of the course content:

Threat Brief

This briefing puts into context the world-wide proliferation of Weapons of Mass Destruction (WMD), the growing need for CBRN materials in industry and their effects on people, property and terrain in the event of an industrial accident or a terrorist incident. In particular it will highlight the growing incentive that terrorist organisations throughout the world have in developing WMD weapons as an alternative to the procurement of conventional munitions. Additionally, the brief covers the risks posed by Toxic Industrial Materials (TIM) either from collateral damage to industrial complexes or by deliberate acts of sabotage. The threat from Low Level Radiation (LLR) hazards caused either by accident, collateral damage or an act of war are also described.

Personal Protective Equipment (PPE)

This briefing is designed to show the appropriate types of PPE for the country being visited and highlighting the advantages and disadvantages of wearing protective clothing. During this period, those attending will be given the chance to inspect and if required, don some items for assessment.

CBRN Characteristics and Effects

Three separate lectures will be given throughout the course to broaden the audiences knowledge of the specific differences and effects these materials would have on man, materials and his environment. This presentation also includes some outdoor demonstrations.

CBRN Detectors

Separate presentations are given to show an array of different types of detection devices that are available throughout the world and the advantages and disadvantages of each. Some examples would be available for inspection and assessment. These presentations would include outdoor demonstrations.

CBRN Decontamination Measures

A vital part of the protection against CBRN events is the ability to quickly and safely carry out decontamination operations. This presentation is aimed at giving information on the recommended methods used world-wide relating to these operations. The presentation covers both individual and collective decontamination approaches along with showing a selection of decontamination equipment.

CBRN Surveys

Assessing what, where and who has been contaminated in the aftermath of a CBRN event is a vital part of returning to normality. This presentation looks at various survey methods and the prioritisation of tasks.

The effects of Weather on CBRN materials

The aim of this period is to emphasise how weather can effect the duration a hazard will persist for and the advantages and disadvantages of different weather patterns.

CBRN Effects inside Buildings

Once inside buildings agents are concentrated and create special problems. This period covers the general problems associated with CBRN materials once they are inducted into a building.

CBRN Medical Concerns

Large scale conventional casualties will cause strain on the emergency services. However, if they result from a CBRN incident then this can create immense difficulties and in some cases overwhelm those trying to rescue and treat casualties. This presentation looks at the impact of these events and the necessary medical countermeasures to mitigate the effects.

Command and Control

CBRN events can cause many casualties over a large area very quickly and trying to control the situation is a massive challenge for the first responders. The quicker the situation can be brought under control, the more lives can potentially be saved. This period explores various software solutions that can assist the emergency services and other organisations to collect, collate and analyse information, in order to plan and control a CBRN situation from onset to return to normality.

VIP Protection

The security and protection of High profile people, government officials and even celebrities requires special countermeasures in a CBRN hostile environment. This session provides information on the special measures, equipment and procedures required to ensure the safety of VIP's before during and after a CBRN event.

CBRN Exercises

Information will be given on the findings and lessons learnt from recent CBRN exercises around the world, in order to assist the decision making process of the host country.

Discussion Periods

Various discussion periods are spread throughout the course to allow for consolidation of information, assessing possible equipment requirements and suitable scalings. Additionally, these periods can be used to assess training requirements and procedures.

Week1

CBRN Information Course

Ser	Time	Subject	Notes
1-1	**Day1** 1000-1200	Course introduction - Health and safety	Classroom/
1-2	1300-1400	Lunch/Prayers	
1-3	1400-1600	- **CBRN Threat of CBRN** - World threat - Terrorist threat	Classroom
1-4	**Day2** 0900-1100	**Introduction Personal Protective Equipment (PPE)** - Types of respirators - Suits - Boots - Gloves	Classroom
1-5	1100-1300	Chemical Characteristics and effects	Classroom
1-6	1300-1400	Lunch/ Prayers	
1-7	1400-1500	**Chemical Detectors** - Electronic - Air pump	Classroom / outside area
1-8	1500-1600	Suggested chemical scaling	Classroom
1-9	**Day3** 0900-1030	Biological Characteristics and effects	Classroom
1-10	1030-1200	Biological Detectors	Classroom
1-11	1200-1300	Suggested Biological scaling	Classroom
1-12	1300-1400	Lunch	

Ser	Time	Subject	Notes
1-13	1400-1600	Radiological/Nuclear Characteristics and effects	Classroom
1-14	**Day4** 0900-100	Radiological Detectors	Classroom/ outside area
1-15	1000-1300	Effects of weather on CBRN materials	Classroom
1-16	1300-1400	Lunch	
1-17	1400-1600	CBRN effects inside buildings	Classroom
1-18	**Day5** 0900-1000	**CBRN surveys** - Chemical - Biological - radiological	Classroom
1-19	1000-1100	Training materials manuals/ aide memoirs	Classroom
1-20	1100-1200	Discussion period (open forum)	

Week 2

Ser	Time	Subject	Notes
2-1	**Day 6** 1000-1300	**Decontamination measures** - How to set a sight up - Different types of deacon - Equipmen for deacon	Classroom/outside
2-2	1300-1400	Lunch	
2-3	1400-1500	**Command and control Software** - World - Terrorist	Classroom
	Day 7 0900-1000*	**VIP Protection** - PPE equipment - Safe rooms	Classroom/outside
2-4	1000-1300	**First aid** - Look at drugs	Classroom
2-5	1300-1400	Lunch	Classroom
2-6	1400-1600	Combined CBRN equipment scales	Classroom
2-7	**Day 8** 0900-1300	**Command and control of a CBRN attack** - Ex Red signal	Classroom
2-8	1300-1400	Lunch	Classroom
2-9	1400-1600	Training requirements (who needs to be trained?)	Classroom
2-10	**Day 9** 0900-1200	CBRN Sensor Integration	Classroom
2-11	1200-1300	assistance	Classroom
2-12	1300-1400	Lunch	Classroom
2-13	1400-1600	Review of subjects	Classroom
2-14	Day 10 0900-1000	The next step? Final discussions (open forum)	
2-15	1000-1100	Closing address	Classroom

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