Tough, realistic and challenging.
CBRN command training from Emergency Command System.

Serious CBRN threats require a serious training solution

The threat of Chemical, Biological, Radiological and Nuclear (CBRN) emergencies and attacks remains constant. Emergency services need to remain vigilant, and to maintain their capacity for handling a diverse range of threat scenarios.

A key factor in the successful management of any major CBRN incident will be the quality of decisionmaking at Gold (strategic) command level. That decisionmaking depends, in turn, on the quality, robustness and relevance of the training senior commanders have received.

Creating high tech training software and complex, realistic scenarios for testing and assessing senior emergency service officers for strategic command of a CBRN incident is specialised work, something that VectorCommand, the leading emergency training and solutions development company, has been doing for some time. With its Emergency Command System technology, complemented by specialist emergency scenario preparation expertise, VectorCommand has the capacity to help emergency services of all kinds prepare for a wide variety of emergency training challenges at strategic command level: efficiently, cost effectively and with clear, tangible results.

Emergency Command System supports Police National CBRN Centre's strategic command course

The Police National CBRN Centre's strategic command course will utilise Emergency Command System, supplemented by a specific, detailed emergency scenario prepared by specialist VectorCommand staff.

A virtual city, "Gunnersby City", has been created by VectorCommand. Located in the County of Wintershire, it has 730,000 residents. Delegates are provided with relevant background information, such as generic details of the various multi agency capabilities that commanders may need to draw on when deciding how to respond to the incidents created. A port, airport, mainline rail system, industrial complex, retail centre, hospital, schools and other characteristics and risks have been created. Using its advanced virtual reality development skills, VectorCommand will create 3D simulations of incident scenes, thereby enhancing the immersive characteristics of the exercise it is delivering.

Emergency Command System allows users to build upon the initial scenario and timeline by creating injects during the actual exercise. These injects can draw on supporting material within a library of multi-media clips created over the life of the exercise programme. This is one of the great advances Emergency Command System is providing for civil contingencies exercises. The way in which scenarios are created, populated, choreographed and built on the system allows it to evolve with use. Lessons identified from one exercise can easily be built into future exercises; not so easily done when you're dealing with A4 ring binders full of reams of paper.

VectorCommand's specialist staff use their advanced emergency management training expertise to create the kinds of complex, challenging CBRN and other emergency scenarios which will test senior command delegates to the limit. Exercises reflect real world threats, based on specialist knowledge and intelligence, as well as common emergency events such as media demands for information.

Emergency Command System™ includes 'injects', such as news media announcements, which can have a major impact on public opinion and emergency management activities. News injects can be customised for specific client requirements, to test managers' decision-making abilities under pressure.

How does Emergency Command System™ help organisations prepare and test their plans and procedures and manage real emergencies?
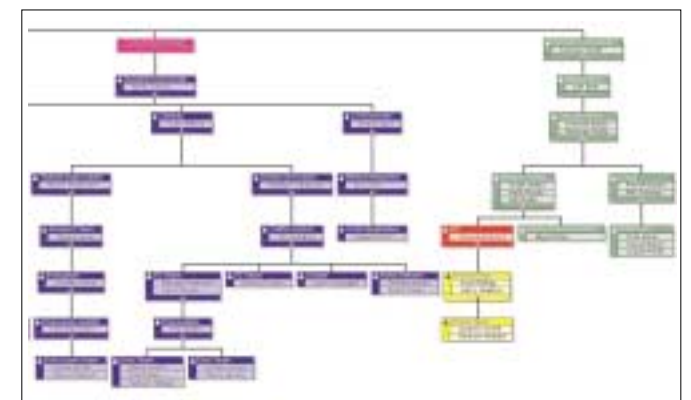
Emergency Command System™ is a sophisticated, flexible emergency management training and command system environment that can be customised to present realistic planning, training and operational command options for a wide variety of emergency and disaster scenarios. Using a proven combination of advanced disaster management and disease modelling technologies, virtual reality, time sequencing, graphics, video clips and mapping, *Emergency Command System™* delivers scalable, realistic emergency management and organisational command, planning and training scenarios and command solutions for organisations and agencies at all levels. Primitive 'table top' exercises can become a thing of the past.

ECS's flexible system architecture permits new threat scenarios to be developed for specific customer requirements. *Emergency Command System™* is available as three separate modules or as a complete system, allowing clients to integrate all aspects of their emergency management on one common platform: Planning & Testing; Training, Assessing & Exercising; and Operations.

User benefits

Emergency Command System delivers unique benefits to emergency managers at all levels of command – Strategic, Tactical and Operational:

- *Emergency Command System provides a high level of realism for all aspects of emergency command training, replicating the stresses of real incidents with virtual reality, simulated communications, media injects, GIS mapping and time sequencing.*
- *Command training exercises can be recorded and replayed for assessment and analysis.*
- *Emergency managers are provided with a clear, consistent planning, training and command environment.*
- *The necessity for collaboration within organisations and between organisations is highlighted through the Emergency Command System exercise process. Weaknesses and stress points (in collaboration, organisational structure, terminologies and communication) can be tested, identified and rectified.*
- *The timeline of exercises can be controlled to ensure the most beneficial use of key officials' time.*
- *Costs of training programmes can be reduced by substituting 'Live Play' exercises with simulated ones.*
- *Exercise control personnel numbers can be reduced by automating a number of the functions carried out currently by large exercise control staff.*

Management, coordination and deployment of emergency services and agencies can be clarified graphically and improved using the flexible Organisation Chart feature within ECS.

EMERGENCY COMMAND SYSTEM ™
Emergencies, managed.
www.vectorcommand.com

To learn more about how Emergency Command System™ can help your organisation benefit from the most advanced, integrated solution for preparing for and managing a wide variety of current and emerging threats, please contact:
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