

National CBRN Centre

Bringing together the emergency services to protect and prepare the UK against the chemical, biological, radiological & nuclear threat

Supporting the emergency services with 24/7 specialist advice

Strengthening the local and national response to a CBRN incident

Assuring and developing CBRN expertise at home and abroad



**COUNTER
TERRORISM
POLICING**



www.counterterrorism.police.uk

CBRN: Continuity planning

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Presentation outline

UK CBRN emergency services capability

CBRN terrorism

UK CBRN response

Next generation CBRN strategy

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What we do

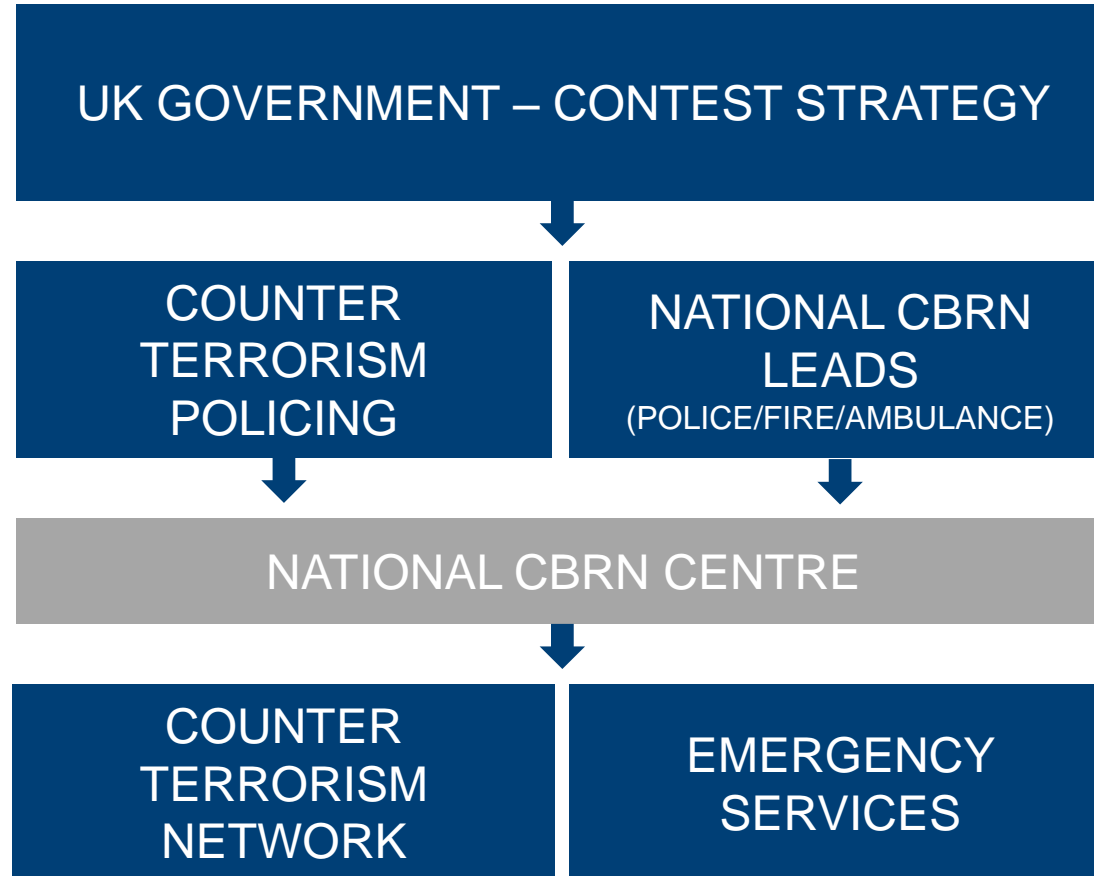
National CBRN Centre is part of Counter Terrorism Policing, the national coordinating body for counter terrorism in the UK.

We work together to support, strengthen and assure a resilient chemical, biological, radiological and nuclear terrorism (CBRN) capability for the UK.



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Governance - National CBRN Strategy



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Who we are



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CBRN terrorism

Actual or threatened dispersal of CBRN material – (Chemical, Biological, Radiological, Nuclear) with malicious intent

Includes (but not limited to):

- Deliberate/suspected deliberate release of chemical hazards
- Biological infections – (confirmed as not having occurred spontaneously)

Must be politically or ideologically motivated

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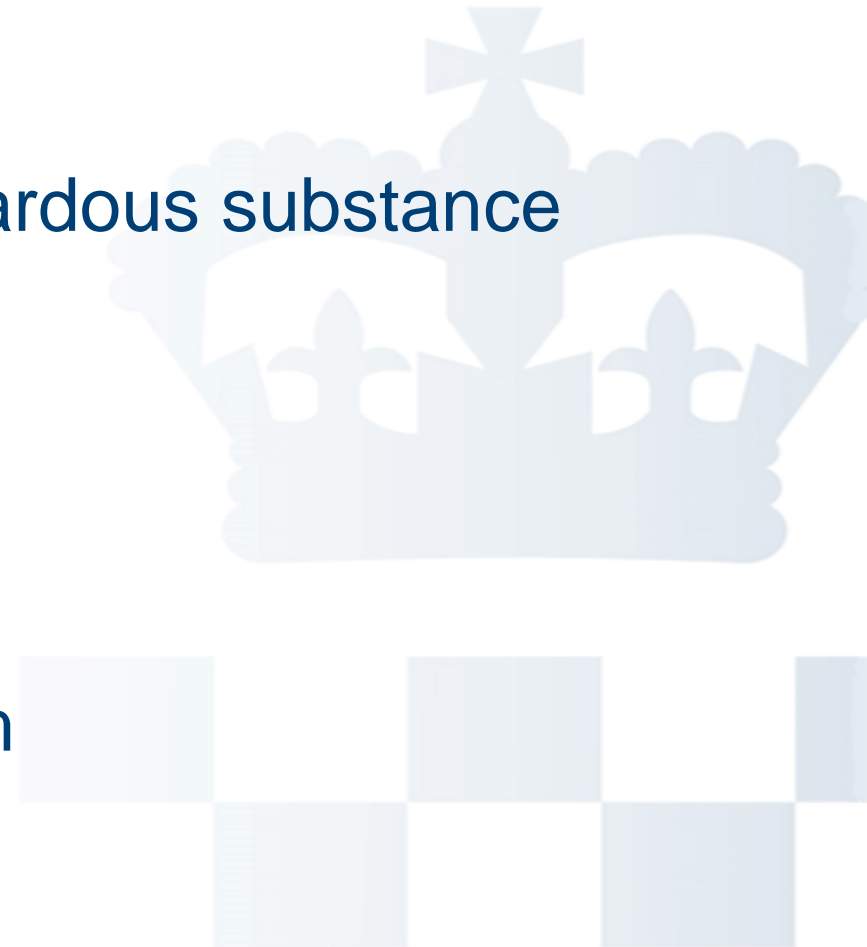
A CBRN incident?

In early stages of a UK incident involving a hazardous substance attended by the emergency services, the:

- Motive/reason
- Identity of the substance
- Health impact – short, medium and long-term

are frequently unknown.

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Signs & symptoms of hazardous substance exposure:



The presence of hazardous or unusual materials.



A change in environment, such as unexplained vapour, odd smells or tastes.



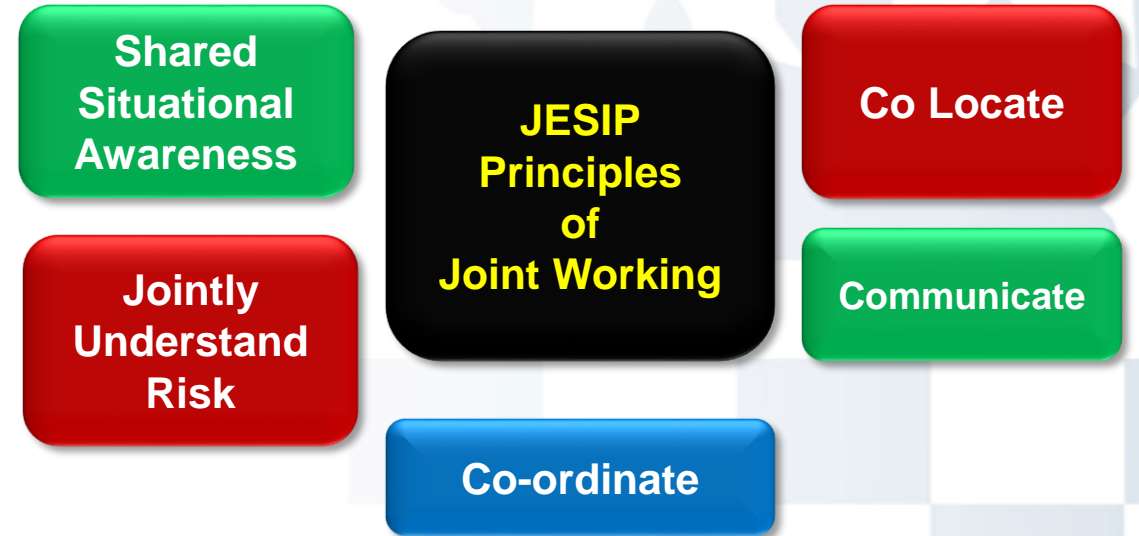
Unexplained signs of skin, eye or airway irritation, nausea, vomiting, twitching, sweating, disorientation, breathing difficulties.

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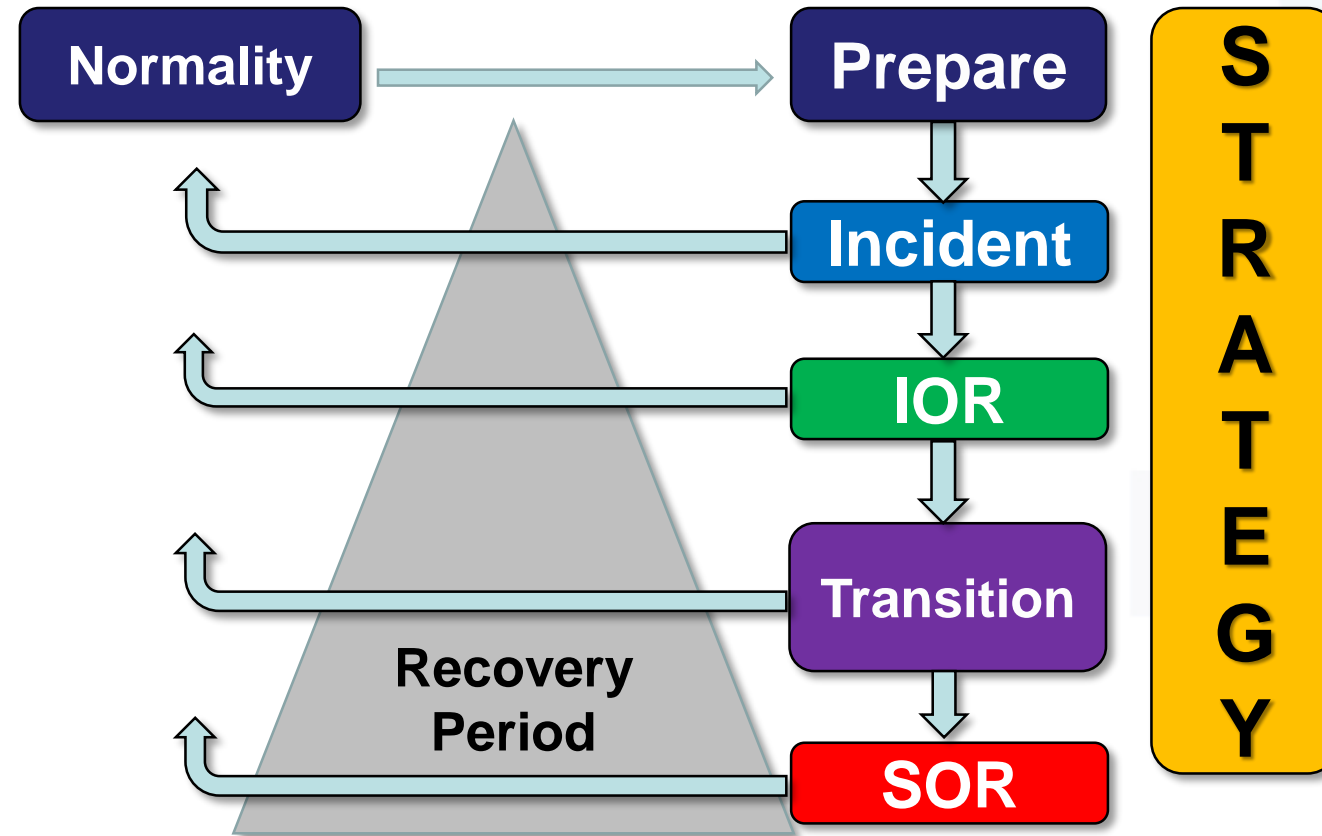
UK initial response

- Emergency services responders are trained in dynamic risk assessment at a scene
- Safety of responders and the public is always the priority
- ACT QUICKLY, but remain cautious. Immediate first aid actions are encouraged from the first moments of the incident, as long as responders take the right precautions to protect themselves



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Return to normality



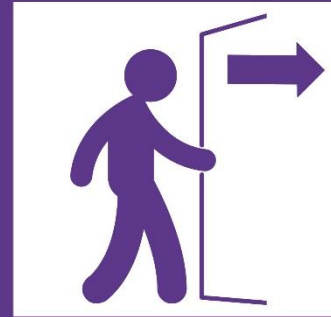
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Hazardous substance exposure: emergency services advice

If you think someone has been exposed to a **HAZARDOUS SUBSTANCE**

Use caution and keep a safe distance to avoid exposure yourself.

TELL THOSE AFFECTED TO:



REMOVE THEMSELVES...

...from the immediate area to avoid further exposure to the substance. Fresh air is important.

If the skin is itchy or painful, find a water source.

REPORT... to the emergency services.



REMOVE OUTER CLOTHING...

...if affected by the substance.

Try to avoid pulling clothing over the head if possible.

Do not smoke, eat or drink.

Do not pull off clothing stuck to skin.



REMOVE THE SUBSTANCE...

...from skin using a dry absorbent material to either soak it up or brush it off.

RINSE continually with water if the skin is itchy or painful.

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UK CBRN specialist response

- Tiered framework – national, regional to local
- 24/7 Operational advice
- Support from world-leading science/health reach-back
- Tested, exercised multi-agency specialists
- Intelligence-sharing
- Personal protective equipment designed to the highest global standards



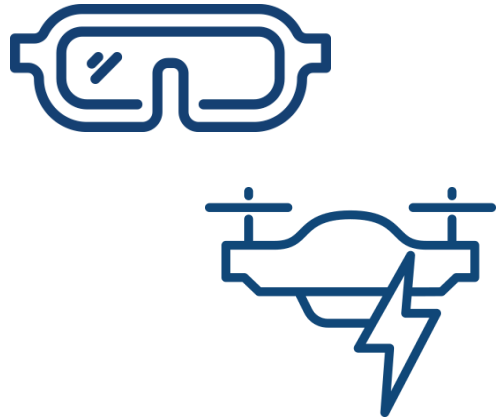
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2019...



to 2030?

Next generation CBRN strategy



Sustainable
equipment
solutions



Resilient
responder
network

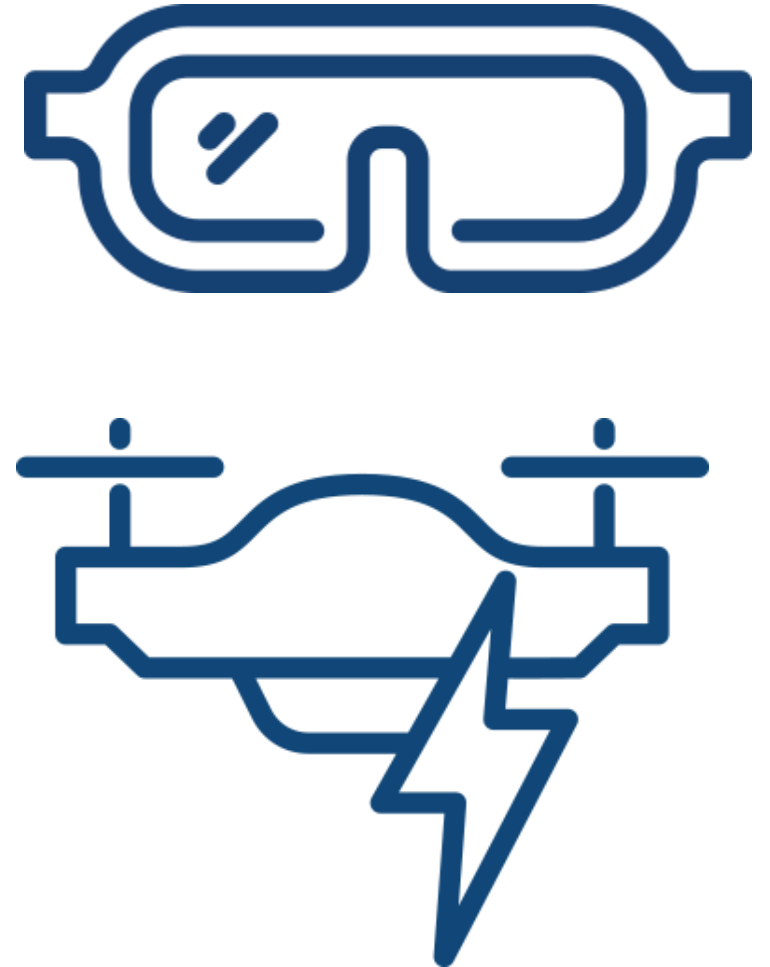


Smarter,
interoperable
partnerships

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Sustainable equipment solutions

- Designed to user needs
- Optimise responder safety
- Smarter mobilisation strategies
- Operationalise new technologies



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Next Generation specialist police PPE

- Long-term programme for the UK & Northern Ireland
- Development of a bespoke ensemble for specialists
- Highest levels of quality and safety testing
- World-leading technology
- Sustainable legacy
- Interoperability

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NXGEN

Resilient responder network

- Increase our CBRN training capacity and specialisms
- Develop insight to improve personal responder resilience and welfare
- Improve accessibility to CBRN for the next generation of specialists
- Better promote basic hazardous substance awareness to all audiences



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Smarter, interoperable partnerships

- Interoperable response across emergency services and military
- Consistent, multi-agency communication strategies for incidents
- Close-working with health and science
- Support multi-agency planning across local government
- Effective testing and exercising

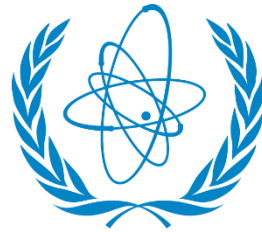


International



OPCW

Organisation for
the Prohibition of
Chemical Weapons



IAEA

International Atomic Energy Agency



UNODA

UNITED NATIONS OFFICE FOR
DISARMAMENT AFFAIRS



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