



Course Objectives

Understand the background, terminology and responsibilities for food defence, authenticity and integrity

Understand the causes and prevention of food crime

Understand the capacity and capability required by business operators to combat food crime

Understand the responsibilities for food authenticity and integrity

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 Understand how to operate food control and quality systems prevent food crime

 Outline strategies for developing and maintaining product authenticity and integrity

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Responsibility & Authority

Technical Manager HR Assistant **Compliance Officer Planning Manager Coldstore Manager** Supply Administration (Planning) Engineering Supervisor Head of New Product Development

Training Supervisor NPD Controller **Commercial Accountant** Security **Raw Materials Manager** Shift Manager

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Definitions (PAS 96)

Reference:

https://www.food.gov.uk/sites/default/files/pas962017.pdf

Threat

May be something that can cause loss or harm which arises from the ill-intent of people

NOTE Threat is not used in the sense of threatening behaviour or promise of unpleasant consequence of a failure to comply with a malicious demand.

Personnel security

The procedures used to confirm an individual's identity, qualifications, experience and right to work, and to monitor conduct as an employee or contractor

NOTE 1 Not to be confused with 'personal security'.

NOTE 2 Personnel security principles are used to assure the trustworthiness of staff inside an organization, but may be applied to the staff of suppliers within processes for vendor accreditation.

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Definitions (PAS 96)

Reference: https://www.food.gov.uk/sites/default/files/pas962017.pdf

Cyber security

The procedures used to protect electronic systems from sources of threat.

NOTE Examples of these threats are from malware and hackers intent on misusing IT systems, corrupting them or putting them out of use.

Food defence

The procedures adopted to assure the security of food and drink and their supply chains from malicious and ideologically motivated attack leading to contamination or supply disruption.

NOTE The term food security refers to the confidence with which communities see food being available to them in the future. Except in the limited sense that a successful attack may affect the availability of food, food security is not used and is outside the scope of the PAS document.

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The Elliott Report July 2014



HM Government

Elliott Review into the Integrity and Assurance of Food Supply Networks – Final Report

A National Food Crime Prevention Framework July 2014

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- Professor Chris Elliott of Queens University Belfast led the UK government post-horsemeat review of the food system vulnerability to fraud
- Subsequent to publishing the report, Professor Elliott has published academic articles on food fraud and seafood supply chains
- Report highlights how susceptible the supply chain is to attack...









Contaminants / Agents		
Contaminant type	Unintentional	Intentional Agro-terrorism
Biological	Escherichia coli, Salmonella, Listeria montcytongenes	Heat Resistant: Bacillus anthracis (Anthrax), Clostridium botulinum Heat Sensitive: Yersina pestis (Plague), Vibrio cholerae (Cholera)
Chemical	Pesticide residues	Heat Resistant: Arsenic, Rat Poison; Heat Sensitive
Physical	Metal, bone, rodent droppings	
Radiological		Plutonium-238, cesium-137
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Countering Adulteration of Foods The Pioneers - Wakley, Hassall-Hill and Accum



http://www.rsc.org/Education/EiC/issues/2005Mar/Thefightagainstfoodadulteration.as

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